# E-PROCUREMENT FURNITURE RAW MATERIALS FOR SMALL AND MEDIUM ENTERPRISES IN MALAYSIA

# MOHD ELFIRIZAL SAMSUDIN

BUSINESS INFORMATION SYSTEM
UNIVERSITI TEKNOLOGI PETRONAS
PUSAT SUMBER MAKAMAT
UNIVERSITI TEKNOLOGI PETRONAS

UNIVERSITI TEKNOLOGI PETRONAS Information Resource Center IPB183672

### **CERTIFICATION OF APPROVAL**

# E-procurement Furniture Raw Material for Small and Medium Enterprises in Malaysia

By

Mohd Elfirizal Bin Samsudin

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Approved by,

(Mr. Khairul Shafee Kalid)

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# **CERTIFICATION OF ORIGINALITY**

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.

(MOHD ELFIRIZAL BIN SAMSUDIN)

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### **ABSTRACT**

Due to rapid advancement of electronic commerce and web technologies in recent years, the concepts and such applications have been significantly extended. This research will look deeply into the e-procurement among the small medium enterprise (SME) and to analyse their most needed and accurate requirement from this type of internet business tools to run the business in Malaysia. The objective is to connect the ideas between business environment (business scope) and the business requirement accurately significantly to create an e-procurement system to provide a conductive platform for product requisition, payment transaction, discussion, assistance, cooperation and coordination between responsible vendors and serious customer including private sectors, regional and international organizations. One of the main challenges is there nowadays there's a lot of existing procurement system online involve, it is important to research and analyst this existing systems to extract the main idea and compare it with the project objective and requirement to finally discuss the best ideas that is required for the proposed system. In this project, several techniques have been used starting with ideas and information research and gathering that have been done through journals, existing paper work, and previous systems that create by previous students. For the products (furniture raw materials) information and attributes, considerable survey has been done through the internet and magazine and also from the products questionnaire. Based on all the research and findings, finally a working system (prototype) of an E-Procurement intermediary for SME specifically on furniture raw materials should be implemented and to be the best solution that satisfied all parties.

# CHAPTER 1 INTRODUCTION

### 1.1 Background of Study

This project and research are mainly on Malaysia furniture small and medium enterprise (SME) that covered both east and west peninsular Malaysia. The existence of SME business is very significant for the country growth as it has a lot of benefits and potential. Malaysia as a developing country significantly needs the growth of this SME companies as it have very high potential to generate the country revenues, for example in Taiwan more than 70% of its economic revenue is been support by the growth of their SME companies. Increasingly, international wood furniture buyers are using the internet to transform the way they do business and by which they collaborate with trading partners. In particular, many of them are using the internet to trade online and to develop close knowledge-based links with suppliers. It is believed that SME have the opportunity and potential to experience the procurement system no matter what kind of company and business they are doing, the system should provide the benefits that they require. Any business that procures resources, goods or services should take the idea into mind as the procurement level is central confirming the business in the right flow.

First of all this project is to enhance previous system of online e-procurement that will involve three main players such as administrator, purchaser (customer) and vendors. The items and goods that involve in this business are specifically on furniture base materials. Even the system is online web based system; the concepts still derive from the procurement traditional process to provide the user with the following function such as purchase requisition, vendor selection, products information, product ordering, invoicing or billing, payment and communicator among the users. Procurement process is important for making sure that business is in the flow although it is small or medium sized companies.

### 1.2 Project Scope

The mission of this project is to enhance a previous system to make it more reliable in terms of its effectiveness and efficiency for online business purposes. The outcome of the project should basically able to help, assist, coordinate and connect business partners within Small and Medium Industry to procure and published their product inside an online forum or website as a free center marketplace that's operate 24 hours daily. The project has been started since 23<sup>rd</sup> of January 2006 and the results should be due on the 1<sup>st</sup> of May 2006. In the end of the project, the developer should make sure the system is capable of running and include the main function such as purchasing, vendor selection, quotation, manager approval, ordering, invoicing and payments.

### 1.3 Problem Statement

One of the main challenges is there nowadays there's a lot of existing procurement (for example: www.commerx.com) system online involve, it is important to research and analyst this existing systems to extract the main idea and compare it with the project objective and requirement to finally discuss the best ideas that is required for the proposed system. The tasks is to make sure the information that gather is good enough to create an ideas that will assure the player of the system understand the whole concept, to assure only the right people involve in the system, to come out with a complete and correct business process (rules and workflow), and should be no replication or same information that can create confusion among the user. This will confirm whether e-procurement system is beneficial for the furniture SME and does it successfully suit to the related company.

During the creation of the system, the problem that drives to the development of the project is how to have a system to represent the information and interest of the entire Malaysia furniture raw materials SME at the national, regional and international levels. The problem is to create or provide a conductive platform for product requisition,

payment transaction, discussion, assistance, cooperation and coordination between responsible vendors and serious customer including private sectors, regional and international organizations. Relate to this, the other problem would be to save the costs (compare to manual procurement) of the company and provide the benefits of online procurement services that will somehow encourage the overall stability, healthy development and sustainable growth of the furniture industry. It is significant by this system to provide a large space of furniture raw materials market place for customer and vendor to contact among each other at anytime from anywhere online using any kind of computer or laptop that connect to the internet and finally enjoying their business.

### 1.4 Objectives

The objectives of this project are:

- To enhance the previous system in terms of its data gathering, functionality and output.
- To enhance the system to make sure it is reliable enough with today's kind of business environment and to make sure the system compatible with the user needs.
- To gather requirements which include functional and non functional requirements in order to develop a website that performs as a portal or an electronic market place for procurement. The needs of the company for costs, time and man power can be minimize.
- Lastly from proper data gathering and analyzing, to develop a prototype of a functioning online procurement system mainly based on furniture materials for SME companies.

# 1.5 Methodology

In developing this online procurement system, a project work and methodology has been established to make sure all the works to develop the system that to be done will be levels in an appropriate approach. The methodology consists of 7 phases of development:

- a) Revise existing system.
- b) Planning.
- c) Analysis.
- d) Design.
- e) Build.
- f) Test.

# CHAPTER 2 LITERATURE REVIEW

### 2.1 Introduction to SME

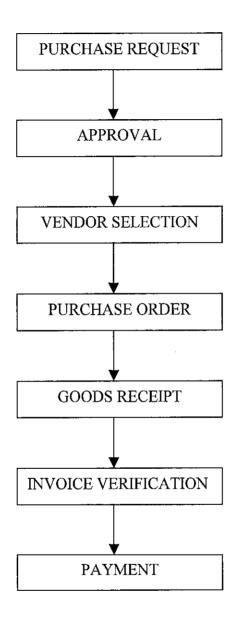
In general there is no exact definition of small and medium enterprise (SME). However, the definition of SME usually based on fixed quantitative criteria such as number of employees, amount of capital; amount of assets owned and recently including the sales of turnover of enterprise (Hashim & Wafa, 2002). In Malaysia, the Small and Medium Industries Development Corporation (SMIDEC) defines SMEs as manufacturing companies or companies providing manufacturing related services with annual sales turnover not exceeding RM25 million and full time employees not more than 150.

### 2.2 Introduction to E-Procurement

E-Procurement can be known as a new way in procuring goods, materials and services. Rapid advancement of electronic commerce and web technologies in recent years has extended the concepts and application of online systems as quality decision support systems. In 1994 E-Procurement as we know did not exist, but ten years later, in 2003 around 75 million American consumers are expected to spend about \$95 - \$100 billion on E-Business and it is estimated to grow to \$217 billion by 2007 (Johnson, 2002). The E-Procurement development had a great impact on all aspects of business, including customer acquisition, marketing, human resource management, finances and operations (Geoffrion and Krishnan, 2001).

The implementation of E-Procurement initiatives should also be seen as an effort to modernize the public procurement and thus to improve the procurement goals, which normally include quality, timeliness, cost, minimizing business, financial and technical risks, maximizing competition and maintaining integrity (MacManus, 2002).

In traditional procurement, the tasks that need to be executed in the procurement value chain are done manually although there might be some computerization. Basically, traditional procurement would have these steps:



**Figure 2.1 Procurement Process** 

### 2.3 Benefits of E-Procurement

According to Teo Internet is regarded as effective medium of communication for individual usage and for business purpose as well. Internet also offers business an opportunity to perform business transaction (2002). This includes:

- Internet eliminates the boundary of geographical factor, time factor, and cost factor
  for the business to reach and interact with customers, business partners and suppliers.
  Businesses may communicate with supplier that resides in other countries or even
  they are separated by the ocean.
- Internet connection nowadays is affordable even to small businesses. As for initial
  cost, the business only need to acquire a personal computer, an internal or external
  modem and an internet account with local service provider. Thus, SME may have an
  equal competitiveness with bigger firms.
- Internet is may provide mass and variety of information to its users. The information
  may also more easily share among employees in an organization, if the business is
  wired by internet. Email and messaging is reliable and almost in real time.
- Payment and contact to supplier or receiving payment and contact from clients is easier by via electronic transactions and could be done over the internet.

Further details provided from NeoCon research on E-Commerce & Furniture as a new paradigm. Some of the benefits of e-procurement on furniture industry:

- As an online business reference.
- As an online manufacturer or dealer contact.
- As an online customer shopping assistance.
- Giving purchase options.

### 2.4 Risks of E-Procurement

- Data Recovery A procurement system can have a lack of data recovery that is not stored in any other database, if there's a case of data lost, the data just lost forever.
   This will blow the business opportunity as consumers perception toward online concept will go negatively for sure.
- Security Is the security aspect is secured enough to protect and detect the access and modify of data to protect the regulation and privacy from being violated.
- Uncertainty The customer or the vendor in reality actually doesn't really know who
  they are dealing with. Even the details is there it is still create uncertainty between the
  players as using the system people just doing business through messaging without
  have to met. The concepts completely different from the traditional one.
- User lack of skill If the E-Procurement system is created with complications, it will
  definitely give a hard time for a normal user or user that lack of use internet to use the
  system.

### 2.5 Why there still SME companies do not prefer E-Procurement concepts?

Internet benefits businesses not only as effective medium of communication but also may adopt as medium to conduct business transaction. Malaysian government has launched numerous opportunity and incentive to help Malaysian SME in adopting internet as their main business tools. However Kotelnikov contended that, the SMEs in Malaysia are still not aware of the benefit of doing business through the internet because they are extremely busy with their routine problems and have little time with other activities (2000).

Furthermore, Awang contended that, 87% of the SMEs are slow in adopting the online business due to the 'wait and see' attitude with two valid reason; unsure of getting people to visit their site and uncertain of the return on investment (ROI) by doing so (2001).

Despite many potential benefits that internet offers, many businesses especially the small businesses reluctant to adopt internet as business tools due to lack of capital, lack of skill

worker to use the internet, and bad perception on view of security of the internet to perform their business functions. Adopting internet not only to acquire necessary equipments and using the internet facility but business must also have strategies in adopting the internet. According to Croteau and Bergeron adequate deployment of information technology would support strategic level activities, hence will affect organizational performance (2001).

Lack of skilled human resources in SME is one of the factors deterring business from adopting the internet as their business tools (Marron, 2003). SME generally have low number of employees and most of them are multi tasking. Consequently, SMEs would be lack of skilled human resources in keeping up with the technology.

The cost of having connected to the internet for business purposes includes the initial cost and the maintenance cost. Normally, SME in Asia including Malaysia are family owned. Therefore, these SMEs are adopting simple management structure and adopting internet is perceived as a complex management structure.

### 2.6 CDC as Malaysia E-Procurement Web Based Intermediary.

At present, 3,500 government agencies are using e-procurement while the number of suppliers registered with e-procurement totaled 44,000. As prescribed under the Treasury circular, government procurement would only be done with suppliers who are registered with e-procurement. Commerce Dot Com Sdn Bhd (CDC), has more than 35,000 government suppliers registered for e-procurement but only a mere 6,000 suppliers are active users at the moment. Through e-procurement, suppliers would not only become accessible to procurement centers nationwide but they now automatically qualify as worldwide suppliers. With an increased base of potential buyers domestically and globally, suppliers are set to enjoy enhanced revenue opportunities. Once a government procuring office is online to e-procurement, they can buy everything from pencils to office furniture to spare parts through the system. The only items that are not dealing with are items of national interest fighter planes, submarines and petroleum products.

Everything else whether through a central contract (the whole government buying from a single contract), direct purchase (items costing up to RM100, 000 that are not handled by the central contracts), quotations (items costing between RM101, 000 and RM200, 000) and tenders (items costing in excess of RM201, 000) are to be purchased through the e-procurement system.

There are three modules under the e-procurement system, which consists of sales channel supplier registration, central contract and direct purchases. All of these modules already fully functional and are being used by the government in its procurement exercises. Currently, almost all suppliers to the government are registered with e-procurement. However, fewer than 18,000 electronic catalogue items have been created and uploaded into the e-procurement system. Electronic catalogues are a critical component of the e-procurement system and suppliers have been urged to place their product catalogues into the system to enable the government to source for their goods. With e-procurement, government buyers can now make more accurate procurement decisions, with immediate access to the latest product and pricing information available online thereby making smart purchases instantly.

### 2.7 Motorola using Ariba's e-procurement software.

Motorola is one example of company that is using the e-procurement system. Motorola has been using Ariba's e-procurement software since 1999. It has also conducted e-RFPs for more than five years and e-auctions for more than a year. As of March 2002, Motorola has more than 21,500 users representing 309 locations in 19 countries. The company has 697 internally hosted catalogs, which include a total of 650,000 items. For e-RFPS, 60% to 70% of the sourcing spending is performed online. For e-auctions, it's 10% to 15%. More than 80% of e requisitioning is done online, says Robert K. Harlan, the director of Internet negotiations for Motorola. In 2001, Motorola saved \$126 million using e-requisitioning. Harlan says that the ROI on e-auctions in particular "has been huge, 50 times the cost of the project. Motorola used Ariba to process more than 160,000 purchase orders in 2001.

# CHAPTER 3 METHODOLOGY / PROJECT WORK

# 3.1 Methodology

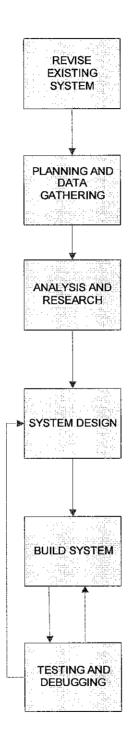


Figure 3.1 Project Methodology

### 3.2 Project Steps and Phase Identification

As mention in the introduction part, in enhancing and developing this new system, it will involve 6 main phases which is:

### a) Revise existing system.

• In this phase, analyzing of the existing system is very significant to gather all the ideas needed. To get a clear view of what should be accomplished through the system, I have analyzed and view several online procurement system such as <a href="https://www.commerx.com">www.commerx.com</a> and e-procurement system of previous students. From the analysis, it is to acquire the information on the functionality and limitation of the system. Is the functionality of the system completely satisfied for the business need that is to be improved in this project.

### b) Planning.

- This is where all the data of the business that related to furniture raw materials collected. Also included is planning the type of user involve, specific function that appropriate for each users, and plan how to coordinate input and output data accordingly. The list of the business data is been search through multiple sites on the internet and also several journals.
- From the data gathered on the limitation of the previous system, new ideas should be formed on how to improve the limitation and to make sure the ideas should meet the latest users and business requirements. This is important to come out with a necessary objective for the project that is to be accomplished.
- The importance of planning and collect reliable information is to gain as much knowledge and understanding the scope of e-procurement specifically for SMEs.
   After some discussion and agreements, the data that are very sufficient to this research should include:
  - a) List of product involves including type, price, name and responsible distributor.
  - b) List of vendors involve including name address contact no and etc.

- c) The level of ICT (Information and Communication Technology) awareness of SMEs companies in Malaysia.
- d) Information of procurement process that implemented inside the company.
- e) The functional and non functional requirements for the e-procurement system.
- A timeline is also being prepared so that the flow of the project can be controlled and deadlines can be set.

### c) Analysis.

- Data gathering and fact finding by doing research, meetings, interviews and etc to collect information regarding the new systems developments, problems statement, requirements and preferences.
- From the result, a several analysis technique is being done to identify necessary information of each aspect of the system that is reliable and suitable to start design the system. The analysis details are as follow:
  - a) Problem Analysis the task will start with the study on problem domain where initially attempts to learn about the previous system. A study should be well conducting, prove revealing to all parties, including the system administrator and user. A problem statement should be identified to know what basically to be accomplished and improve. Define the business process of the propose system to get clearer view of the flow involves and finally come out with a system improvement objective to get the list of objective and constraint that this system should achieved.
  - b) Requirement Analysis the task will continue to analyze the business requirement statement of the system. The analysis will divide into two parts which is functional and non functional requirement. Functional will define each function details that involve inside the system and non functional should describe the external factors for the system.
  - c) Decision Analysis finally before move to designs, decision analysis should be considered to select appropriate tools and software to create the

system from scratch to fully functional. The selection of the tools should be considered its reliability, effectiveness and consistency for the system platform.

### d) Design.

• Plan and design the system workflow more specific based on the business process diagram (context diagram). It also includes the processes involved and type of information that flow through in and through out of each user that to be perform through the system. Next develop a use case diagram to define roles of each user which is administrator, customer and vendor that each must and optionally perform. Based on the workflow analysis and study of existing procurement system, design and create the user interface of the system that should be appropriate, friendly, clear and understandable for the user. Normally the design will start with the design of the story board. Finally before building the database an ERD diagram (entity relationship diagram) must appropriately design to group information accordingly for input and output.

### e) Build.

For this task, programming will start to be implemented by creating the user interface and link each interface and pages accordingly by using PHP. Each page will have different output and buttons to perform specific actions. In this development also, programming will be used to create specific function such as register, login, messaging, order and etc. When all pages have been successfully linked, the real design of the database by using will be done by using MySQL by creating all required instance for the system. It's to be making sure that the database should be able to query the data inside through the system by having specific function such as add, delete and update data. Once the database is complete, the connection with the interface should be tested for successful before the fully functional system can operate.

### f) Testing.

• During the development phase, few testing will be conducted in order to make sure the system is working well completely. The test will conduct during the link of the interface, link of the database, query of the database, function of each button and finally the output. This stage by stage test will help to detect error and flaw of the system easier and faster and fix the problem simultaneously. After the system has complete, a major testing will be conducted where a user will involve by accessing the system from different place. Should be more than one user involve. Any comments from the user should be taking into consideration in improving the system.

### 3.3 Tools

To accomplish the task of designing and developing this system, many applications and tools required. Different parts of the prototype need to author by using different tools such as the database, the coding to create function and to design the user interface.

### Macromedia Dreamweaver MX 2002

It's a web page/application authoring tools which used to design for the platforms page of the E-Procurement systems.

### Adobe Photoshop CS and Image Ready

Adobe Photoshop CS and Image Ready is hands down, the most popular program for creating and modifying images. This image authoring tools is used for the design phase of the system. Adobe Photoshop will be used to design the interfaces of the web pages and used to editing some graphics or pictures which need to be touch to produce good image.

### Macromedia Flash MX 2004

Flash MX 2004 is the perfect tool for the web designer, interactive media professional, or subject matter expert developing multimedia content. Emphasis is on creation, import, and manipulation of many types of media (audio, video, bitmaps, vectors, text, and data).

### MySQL

The database of choice is MySql Server. The database is used to store and retrieve information using the application system. Beside that, the store procedures are written and executed on this database server.

### PHP

As the script language that converts the whole system into web based. The PHP Hypertext Preprocessor is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications

### **CHAPTER 4**

### RESULTS AND DISCUSSION

### 4.1 Previous System Discussion

The previous online e-procurement system for SME focusing on various products such as beverage, seafood, stationary and etc that actually could also work as an auction. The system contains 5 main options which are catalog, view history, online calculator, forum and company profile. The catalog option is the core function whereby all the purchasing and ordering process is being done. From the research that has been made, the previous systems do have several limitations in terms of lacking of information present to the viewers. The limitations are:

- Unregistered viewers couldn't benefits any information regarding the products and the vendors involve that could interest them.
- For the purchasers that want to or has order the product they are unable to view the quantity of product inside the product catalog. This can create confusion.
- Inside the catalog page, the interface and function involve somehow is confusing.

  The button view catalog for both product and vendors is confusing.
- No button for help if the users lost or misunderstood the function.
- Some of the design of the button and coordination of the button and links is not properly place. This makes the interface looks upside down.
- Either admin, vendors or customer, all login process should be done from the home page not within the system.
- Announcement page should be leave for one page, and should the first page once login.
- The homepage should contain the information of background or identification of the administrator of the system.

### 4.2 Ideas to Overcome Results

The new propose system should be able to provide better information for the viewer in order to attract more buyers by making the system as the most convenient market place to do business. In reply to this proposition, the new system should be able to overcome the limitation that exists by creating:

- Better user interface design by following the real standard of user interface guideline.
- Better design is significant for better attraction as the viewers will only like to use a system that is understandable and user friendly.
- All the information regarding the products and also the vendors should also be posted
  at the homepage for easiness of users. Function such as search could also be added to
  assist for faster searching.
- Regarding the product information, the most significant data should be visualized to the viewers including the quantity.
- Help button should be added inside the page to assist the users to familiarize with the system.
- Design of the button, colors, links and function should be well planed and test.
- Background information or identification of system administrator should be accessible from homepage or within the site.

# 4.3 System Constraints

The discussion on system constraint for this project will be divided into two parts. The first part will be on the constraint before the project start and another part will be the constraint after the project is completed. For the first part the project constraint will be discuss based on four main factors which is schedule, cost, technology and policy.

Schedule	The online e-procurement system must be fully operational by 1 <sup>st</sup> of		
	May. There are 14 weeks given in completion of the project, the		
	process of analysis, design, testing and implementation should be		
	able to complete within this period of time.		
Cost	This is an academic project, the tools and equipment should be		
	provided by the university, the main objective is the system to		
	accomplish the requirement of the project. The cost of the full		
	functional should affordable enough for many SME companies to		
	use it.		
Technology	The new system must operate online 24 hours, it should able to link		
	customer worldwide. The new system should be highly supported		
	by database management system. The user interface design for the		
	new system should be user friendly and well coordinated than the		
	previous system.		
Policy	The system only involve licensing vendors that's has been		
	permitted by the government. All the procedures provided by the		
	administrator should be understandable and agreed by party,		
	customer and vendors before doing business within the system.		

## 4.4 System Architecture

# Customer Modules Vendor Modules Vendor Modules Administrator MISG PL SC PR PO SV INV Vendor Modules Administrator Modules TS ML SO PM Administrator

Figure 4.1 ProcLink System Architecture

Figure 4.1 shows the architecture of the system generally. Basically to access the system, both the Vendor and Customer have to log on to the internet and access the web portal using available web based intermediary tools such as the PCs or laptop. Proclink will be the e-procurement intermediary that will be under control of the administrator who will take control of the system access and output. As usual the customers have to register first

in order to log in to the system before they can do any business transaction through the system. Even still not registered, customer still can surf the website to view the information of the products and vendor involve inside the system.

For the Proclink web based intermediary, the task will divided into three categories which is the Customer module, Vendor module and Administrator module whereby each user will have different function modules in the system. Below are the details of each module:

- ➤ Customer Modules Messaging (MSG), Product list by categories (PL), Shopping cart (SC), Pricing Request (PR), Purchase Order (PO), Search Vendor (SV), Product History (PH).
- ➤ Vendor Modules Messaging (MSG), Add Product (AP), Search Product (SP), Inventory Control (IC), Manage Order (MO), Print Invoice (PI), Shipping Charges (SC).
- ➤ Admin Modules Messaging (MSG), Manage User (MU), News Letter (NL), Tracking Statistic (TS), Manage Layout (ML), Shipping Option (SO), Payment Methods (PM).

All information such as product list, customer details, vendor details, order details, invoice details and announcement will be stored in the Proclink database mysql server. The database of the server will be manipulated by PHP and MySQL database. For security reason application such as SSL (Secure Socket Layer), firewalls tools and a backup database would be necessary.

# 4.5 System Business Process

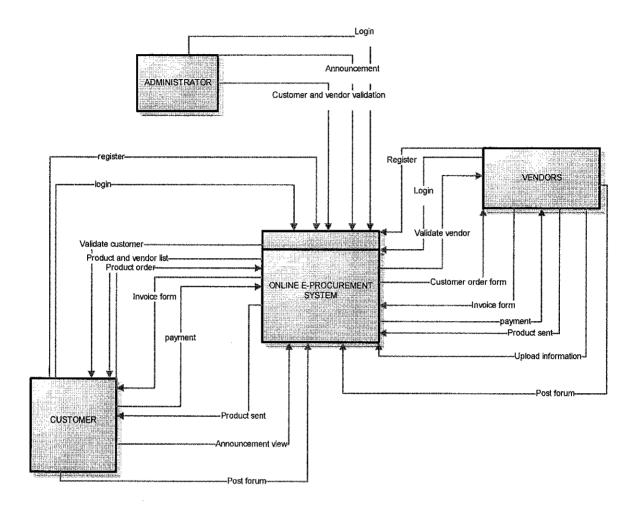


Figure 4.2 Context Data Flow Diagram

# 4.6 System Data Flow Diagram

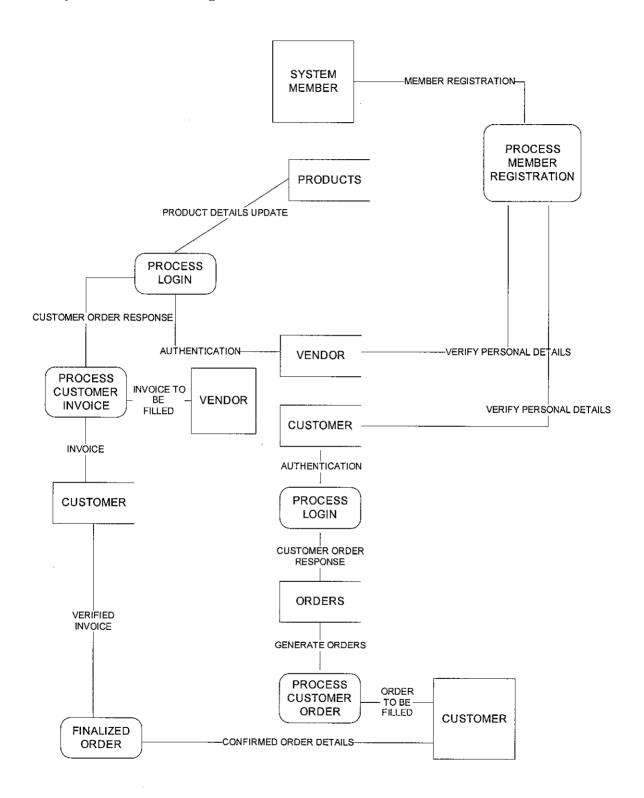


Figure 4.3: Data Flow Diagram

# **4.7 System Improvement Objectives**

System Improvement Objectives		
System objective	System constraint	
1. Decrease the time needed to	1. Human manual workforce will	
procure product manually.	decrease.	
2. Decrease the workload required to	2. System must be compatible with	
handle manual procurement such as	windows Xp operating system.	
surveys and research.	3. System must be reliable to be	
3. Provide more important data related	online 24 hours.	
for customer satisfaction.	4. System must be connecting to a	
4. Improve user interface design.	database management system.	
Make it more user friendly to the user.	5. Must be handle by a reliable and	
5. Information content should be place	good server to handle multiple data and	
in a correct page.	access.	
6. Provide system help.	6. System must be secured from	
7. Maintain page, background, button	internet viruses and hackers.	
and surrounding colors.	7. System must have a backup if	
8. Eliminate data entry process as less	something bad to happen.	
as possible. Main data entries only	8. Any system must have an internet	
happen during registration for new	service and device to connect to the	
user.	website.	
9. For orders and invoice, reduce as		
many keystrokes as possible by		
replacing keystrokes with point and		
click objects on screen.		
10. Administrator task and function		
should be clearly defined.		
11. Vendor task should be clearly		

defined.	

Figure 4.4 System Improvement Objectives

### 4.8 Requirement Analysis

The initial task of the requirements analysis phase is to identify requirements. While this may seem to be an easy or trivial task, it is often the source of many errors, omission and conflicts. The foundation for this task was established in the problem analysis phase when we identified system improvement objectives. Minimally, this task translates those objectives into an outline of functional and nonfunctional requirements that will be needed to meet the objectives.

A functional requirement is a description of activities and service a system must provide. Where else nonfunctional requirement is description of other features, characteristics and constraint that define a satisfactory system.

### • Functional Requirement

### **Customer function**

### Products List

To enhance the previous system the product list of items that been sell through the system have been made available not only inside the system but also can be view by non register user at the site home page. The information includes the product name, product type, price and vendor responsible. This concept in much more effective in attracting more customer.

### o Generate Order Form

This one of the major process of procurement phases, to acquire the selected items customer have fill in the order from and submitted to the respective vendor that distribute the items.

### o Generate Invoice

Once an order has been received, the company which sells the product must respond by delivering an invoice. This invoice is to verify and confirm the availability of the product and the payment before the product is confirmed to be sent to the delivery address.

### o Messaging

A function that will help user in the system to communicate with each other by sending text messages. The entire text message that a user received will be kept inside the inbox where user will open to read any and delete afterward if they wanted to. User also can message the administrator if there's any problem or enquiries relates to the system.

### Shopping Cart

A function that act as a real cart for customer to add items that they are interested in but not yet decided to buy. Shopping cart give customer reviews on the total price of the product that they are interested and the product details.

### o Purchase Request

A function that allow customer to set price on the product that they wanted to buy. If the vendor accepts the price they will allow the procurement process to continue and complete else the request will be rejected and customer has to set another price.

### Order History

This page allow customer to check on their previous order and its status. Its also calculated the total successful order that the customer has spend through the system.

### **Administrator Function**

### o News Letter

Special purpose for administrator to post any related announcement that to assist both vendor and customer to be aware of any latest news or event that relate to the system or business.

### o Update Product Info

Administrator will have the option to post any new product into the system product list. They also can edit and delete their existing product information. If there is a case of problem, vendor can contact administrator to update the product info for them.

### o Manage User

Administrator will responsible in managing both customer and vendor that register to the system. Admin have the privilege to delete users account and able to monitor all user progress through the system statistically.

### **Vendor Function**

### Add Product

A function that allow vendor to add their product into the system or modify the details of their existing products inside the system.

# o Manage Categories

This will allow vendor to add new categories for their store. This will helps vendor to coordinate their product under specific categories that in the end will help the customer to search the products easier.

### o Product Search

These functions make it easier for vendor to search for their product if they have multiples list of products inside the system.

### o Order List

Vendor can view order list that they received from the customer for a particular product. Vendor also can view the previous order for reference reason.

### • Non-Functional Requirement

### o Inexpensive

This system is specifically design for Small and medium companies, in this case cost must be taken into great consideration to support and pursue small and medium companies to use e-procurement solution in the business. Most small medium companies wouldn't dare to take the risk by purchasing an expensive system.

### o Security

For an online system, trust is a very important asset. Especially for companies that want to use the system for purchasing and procuring, this will involve a lot of money. A system should be able to take control from any risk of danger that can harm any transaction or function inside the system. A login page is being developed where by only registered user with specific password can enter the system. Each user a responsible for their own information, meaning user can't manipulate other information without permission.

### o Reliability

The system should be reliable. The system must not perform with any error that can harm any transaction, the system also must be able to perform intensively and simultaneously where by multiple users connect to the system from different place and perform different task on the system at the same time. The system should be able to handle the situation.

All the data that save should be accurate and safely store and as an online system it should be able to work 24 hours everyday.

#### o User friendly

In terms of the design of the system, user of the system (vendor and customer) should be able to understand on how to navigate through out the procurement for example on how to register, how to order items, how to login and etc. A user friendly system will make the user comfortable to use the system.

#### 4.9 Product Information

All the product information on furniture raw materials for this system has been analyze from the Malaysian Timber Council suppliers. Specifically this system will handle 5 main categories of products which are:

- Sawn Timber (examples; balau, bintagor, chengal)
- Panel Products (examples; veneer, plywood)
- Moldings (examples; solid moldings, general moldings, laminated boards)
- Builders Carpentry & Joinery (examples; solid door, door jamb, hand rail)
- Furniture Components (examples; aluminium, fabric, leather)

#### 4.10 Prototype Interface

#### **Customer Home Page**

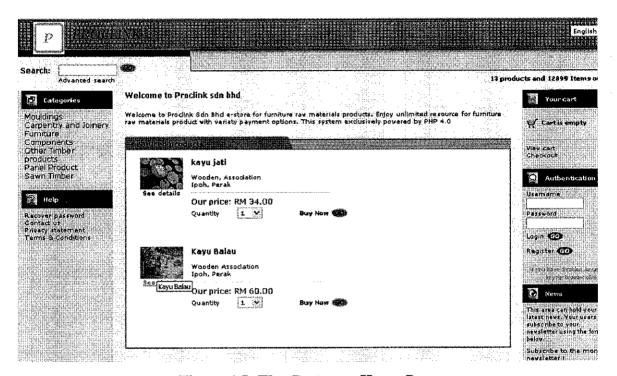


Figure 4.5: The Customer Home Page

Homepage of the system where it contain general announcement that is post by the system administrator. User also can go to the other link from the homepage such as the product categories where they can have a look what is on stock and its details.

#### **Customer Product List**

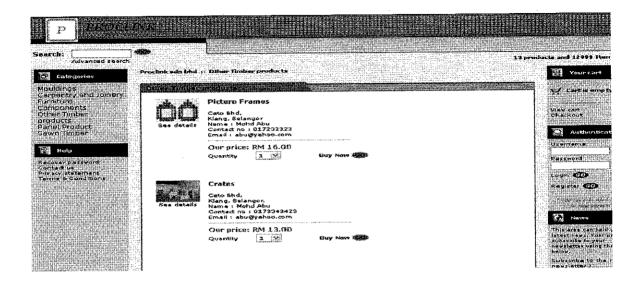


Figure 4.6: The product list page

This is the page for customer to view from the site about the products details. The product list can be viewed under different categories and vendors.

#### Purchase Request Page

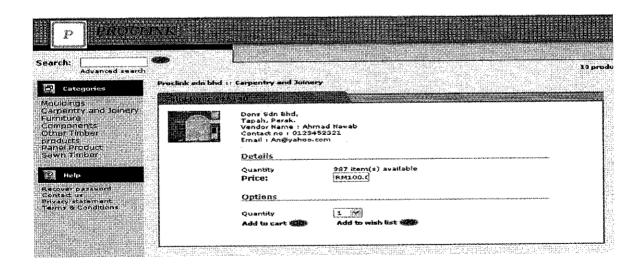


Figure 4.7: The Purchase Request Page

If the user want to login to the system they have to register first in order to procure the goods from the system. They require filling all the required denotes and press submit button when they are done.

#### **Shopping Cart Page**

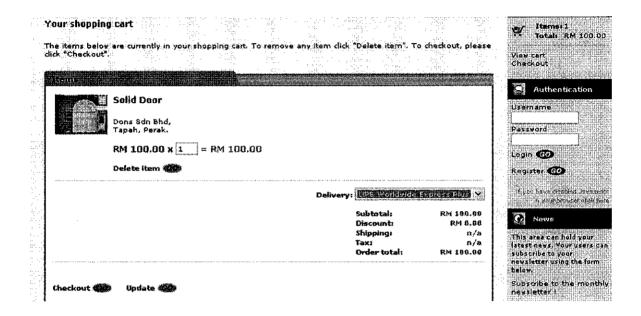


Figure 4.8: The Shopping Cart Page

During the purchasing process, shopping cart function allow customer to add all the items they prefer to buy but not decided to buy yet. Shopping cart help customer to review the total price of product they going to procure. This will assist in decision making.

#### **Customer Purchase Order**

A BIN BUREAU	COLUMBIA CACABADA ARECONA			
Oty .	sku Product		Price	Total
<b>1.</b>	Solid Door	TO THE STATE OF TH	RM 100.00	RM 100.88
L.Ti				707 200100
			Delivery: Fed	Ex 2nd Day Y
			Subtotal: Discount: Shipping: Tax: Order total:	RM 100.00 RM 9.00 RM 9.25 RM 0.00 RM 105.25
Update 🤲				
FARSTON CONTRACTOR				
	Credit Card	Visa, Mastercard, Ame	aniemen Haranana	
	(P) Check	Check payment		
	L.T.L.J	Check payment		
	PayPal			
	Phone Ordering		55 th	
	○ Fax Ordering	Fax: (555) 555-5555		
	Purchase Order	<b>-</b>		
		ng th <b>i Mhìn</b> g tạo.		
İ				
Billing Addr	299:			
Address:	No23, Jalan Bangi	Ria, Taman Bangi		
City:	Bangi.			
State: Country:	Selangor Malaysia			
Zip code:	43000			
Shipping Add	ress:			
Ship To:	elfi rizal			
Address:	No23, Jalan Bangi	Ria. Temen Benci		
City:	Bangi			
State:	Selangor Well-			
Country: Zip code:	Malaysia 43000			
_				
Modify ***				
			Change payment	: method ****
Check Informatio	n		· ·	
Customer's s	, and manufacture and a section to the contract of the contrac	1		
Checking account				
Bank routing	\$41			
_	A control of the cont			
Fraction	number		•	
Clicking "SUBMIT"	you agree with our "Terms	& Conditions" and "Privac	y statement".	
Submit order 🚜	*		;	

Figure 4.9: Customer Purchase Order

#### **Customer Receipt**

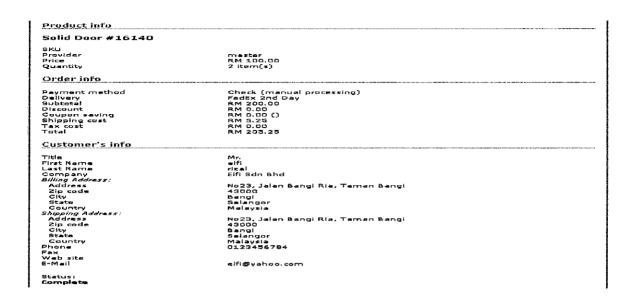


Figure 4.10: Purchase Receipt

Customers receive a receipt of their goods once the process of their procurement completed and confirm by the vendor.

#### **Customer Order History Page**

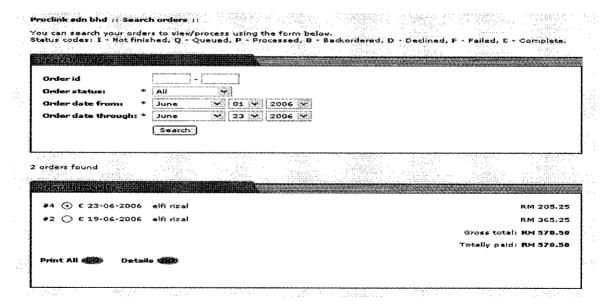


Figure 4.11: Customer Order History Page

Customer can check their previous order details and status of that order through the order history page.

#### **Invoicing Page**

```
Order id: #4
Order date: 23.06.2006 22:33
Order status: 0

Customer's idfo:

First Name: elfi
Last Name: rizal
Phone: 0123456784
Fax:
E-Mail: elfi@yahoo.com
UK:

Billing Address:

Address: No23, Jalan Bangi Ria, Taman Bangi
State: Selanger
Country: Melaysia
Zip code: 42000

Shipping Addcess:

Address: No23, Jalan Bangi Ria, Taman Bangi
City: Bangi
State: Selanger
Country: Melaysia
Zip code: 42000

Products ordered:

SKU:
Product: Solid Door
Guantity: 2
Item price: RM 100.00

Total:
Peyment method: Check (manual processing)
Delivery: Fedex 2nd Dey
```

Figure 4.12: Invoicing Page

An invoice received by the customer once order has been submitted and payment to be made.

#### Customer search vendor

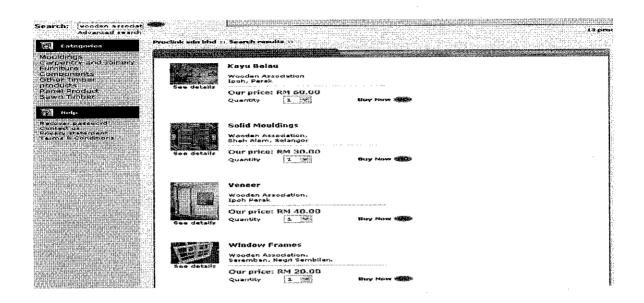


Figure 4.13: Product list by Vendor

Customer can simply use the search function to search for list of product that is under the same vendor.

#### Messaging

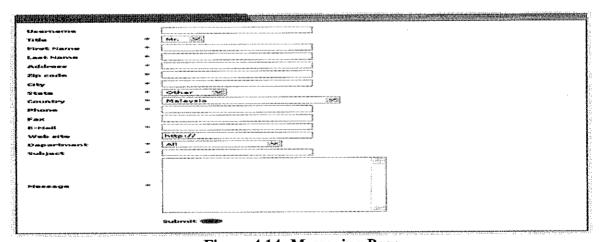


Figure 4.14: Messaging Page

#### Vendor Main page

#### You are in your personal provider area!

From this page, you can operate your products and your orders in a very easy way! The menu on the left is used to manage your products and order

Programme and the second of th

#### → Add new product

This section allows you to create new products in stock. Once you add a new product it will be published right away.

#### ◆ Delete product

These sections allow you to modify/delete existing products in stock. Once you modify a product, its data will be updated right away.

#### **→** <u>Import products</u>

#### + Export products

These sections allow you to exchange products data with external CSV files.

#### → Global product options

This page allows you to manage product options in global scope. You are able to create/modify/delete product options for multiple products.

→ Extra fields

This section allows the adding of additional non-standard fields to the products table. For example, this might be used to add an Author and ISBN fields to the products table. product that is a book.

#### **→** Shipping charges

This section allows you to define the USA shipping calculations for each shipping method defined for your store.

Figure 4.15: Vendor Main Page

#### **Add Product**

Product thumbnail	
Thumbnaii (recommended size 50x50-150x150)	No Image Available
	Change image Delete image
Classification	
Aain category	Carpentry and Joinery
ategory #1	Undefined
Category #2	Undefined (CA)
Category #3	Undefined
\vailability	Available for sale
	CHANGE THE BOOK THE BOOK OF TH
Details	
Account of the second s	ANAMERIA MARKANIA MAR
sku	A DESCRIPTION OF THE PROPERTY
Product name	and the latter than the state of the state o
Description*	
	in the state of th
	The state of the s

Figure 4.16: Vendor Add Product Page

#### **Manage Categories**

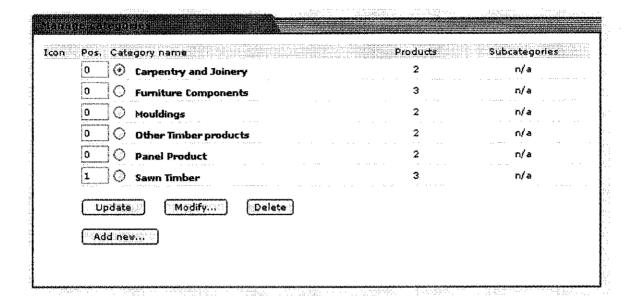


Figure 4.17: Vendor Manage Categories Page

#### **Product Search**

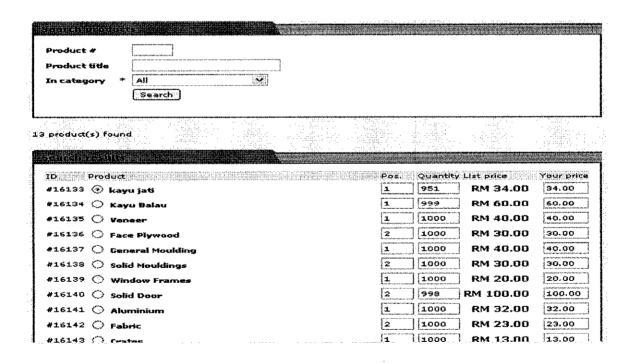


Figure 4.18: Vendor Product Search Page

#### **Order Search**

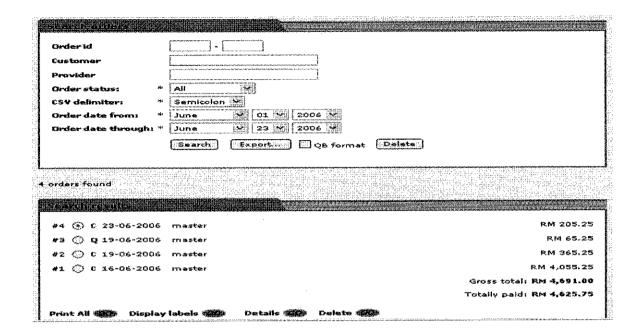


Figure 4.19: Vendor Order Search Page

#### **Order Details**

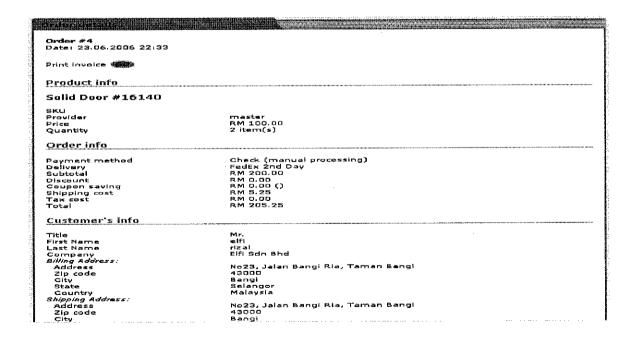


Figure 4.20: Vendor Order Details Page

### CHAPTER 5 CONCLUSION AND RECCOMENDATION

#### 5.1 Conclusion

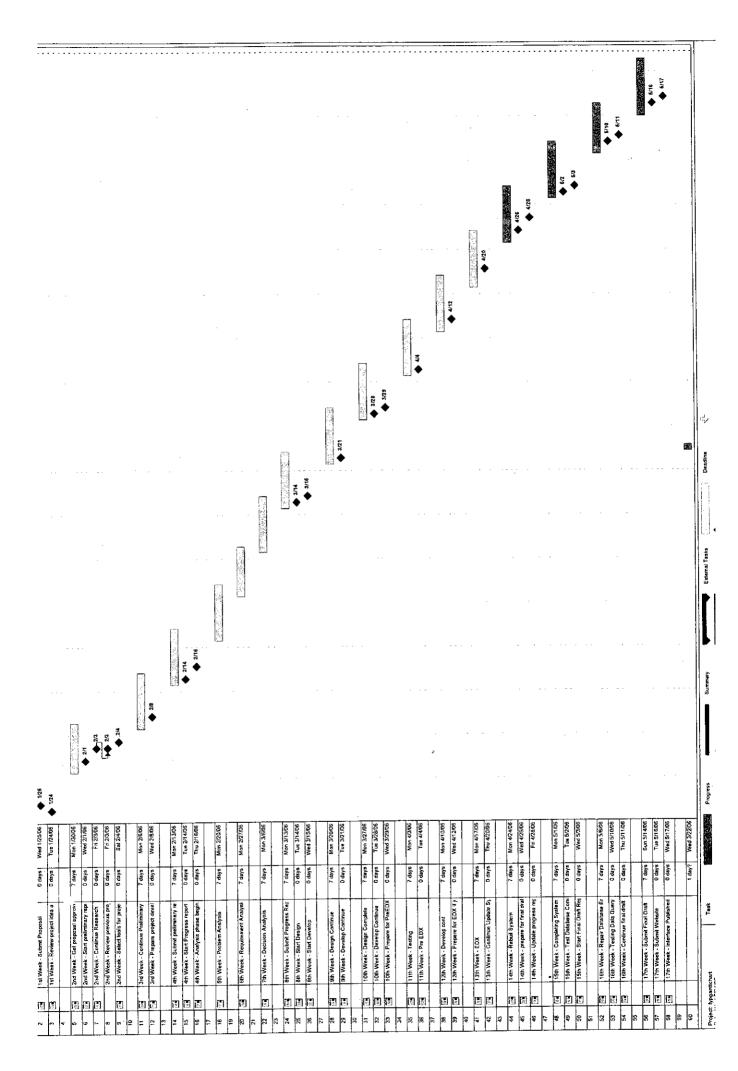
E-Procurement offers significant cost savings for both within and between corporations, and provokes efficient competition among suppliers. When the competition is not so fierce to make the e-market place formidable, e-procurement is definitely a better choice for both the buyer and the supplier. In a research that have been done before, the acceptance of e-procurement system by SME in this country is still quite less even the system is considered cheap and worthy investment. More company should understand the usefulness of e-procurement. Relate to that, this kind of projects and research should be widely projected around the country not only helping the company to have the best system that can be develop but it will also help our self as a developer or researcher to gain more experiences and skills. Everybody should join together to exchange ideas and comments on how to make the system to provide the best service as it can to benefits the business the most should also assist the economic growth. As a conclusion, the main point of the project is to enhance the previous system and to explore the significant needs or factors to implement E-Procurement concepts from a good data gathering and findings, a working system should be well developed to provide the service in a real environment and provide the outputs that have been expected.

#### REFERENCES

- 1. Chien-Chih Yu (National ChengChi University), A Web Based Consumer Oriented Intelligent Decision Support System for Personalized E-Services, 2004.
- 2. Youcef Baghdadi (Department of Computer Science, Qaboos University), A Web Service Based Business Interactions Manager to Support Electronic Commerce Applications, 2005.
- 3. Wei Jang (Southwestern University of Finance and Economics), *E-Procurement and Market Evolution: An Evolutionary Game Approach*, 2005.
- 4. Kishor Vaidya, Sajeev and Junbin Gao, E-Procurement Assimilation: An Assessment of E-Business Capabilities and Supplier Readiness, 2005.
- 5. Thirunavukkarasu Krishnasamy, The Compounded Role of E-Commerce in Achieving Supply Chain Excellence in Manufacturing Perspective, 2004.
- 6. Mahani Mohammad Abdu Shakur, Masita Hassan, Lai Fung Suk, An Emperical Evidence of SMEs Perception towards the Internet as a Business Tools, 2003.
- 7. Julie C. Meloni, SAMS Teach Yourself, PHP, MySQL and Apache, Text Book, 2003.
- 8. Jeffrey L.Whitten, Lonnie D.Bentley, Kevin C. Dittman, System Analysis and Design Method 5<sup>th</sup> edition McGraw Hill Irwin Text Book, 2001.
- 9. Awang H, No Wait and See Attitude in E-Business, 2003.
- 10. Laudon Kenneth C and Traver Carol G, E-Commerce Business Technology Society, Boston Addison Wesley 2<sup>nd</sup> edition, 2003.

- 11. Sandra G, Proceedings of International Conference on E-Commerce, SMEs in Malaysia, Singapore and Thailand, 2000.
- 12. Yusof H, Proceedings of International Conference on E-Commerce, Malaysia SMEs See Huge ICT opportunities, 2002.

#### **APPENDICES**



# 

SECT	SECTION 1 (GENERAL)
÷	Name of Company
ĸ	Contact Person(s) for Trade Enquiries
	Name: Designation: Designation: Designation:
<b>છ</b> ં	Address
4.2.4.	Telephone No. Facsimile No. E-mail Address
ထံ	Type of Business (Tick one or more)  Sawmil Paule Products Muuldings Euilders' Carpentry & Joinery Furniture Puriture Components Concraft Trading
oi	Company Type (Tick one or more)  Manufacturer  Exporter  Tadent  Importer  Importer  (If importer, please specify products/materials imported)
#	Year Established
12.	Annual Sales Turnover (RM)
<del>દ</del>	Member of: {Tck one or more}
	Malaysian Wood Industries Association (MWIA)     Malaysian Panel-Products Manufacturers Association (MPMA)     The Timber Exporters' Association of Malaysia (TEAM)     Malaysian Wood Moulding & Johinery Council (MWMJC)     Malaysian Furniture Industry Council (MFIC)     Association of Malaysia Burniputra Timber & Furniture Entrepreneurs (PEKA)     Others (please specify)
	Page 1 of 1

14. Type of Products (Tick one or more)

	000000	Sawn Timber Panel Products Mouldings Bullders' Carpenty & Joinery Furniture & Furniture Components Other Timber Products	(Please go directly to Section 3) (Please go directly to Section 4) (Please go directly to Section 5) (Please go directly to Section 6) (Please go directly to Section 7) (Please go directly to Section 7)
SECI	NO.	SECTION 3 (SAWIN TIMBER)	
<del>(</del> ,	Sp	Specialised in the following species (Tick one or more)	or more)
	0	Balau	□ Keruing
	0 0	Bintangor Chescol	
	0 0	Ourian Durian	o mempang o Menokulano
	0 (	Geronggang	
	0 0	Gerutu Kelutona	Light Red Meranti     Red Meranti
	0	Kapur	
	a i	Kembang Semangkok	_
	<b>-</b>	Kempas	
	3 0	Merpaun	D Kesak
	0	Mixed Light Hardwood	
	0	Mixed Medium Hardwood	
	0	Mixed Hardwood	•
	σ	Nyatoh	
	<b>a</b> !	Penarahan	
		Perupok	<ul> <li>Temperate Species (please fist)</li> </ul>
	o o	Kamin Rengas	
<del>.</del>	Ą	Are you producing Special Market Specifications (SMS) sawn timber?	ons (SMS) sawn timber?
	0	Yes	ON C
17.	#	if yes, what is it?	
	О	Railway Steepers & Crossings	□ Others (please specify)
	0	Cross-Arms	
₹.	õ	Do you have your own kiln-drying facilities?	
		Yes	ON D
Ş	å		0.000
<u>n</u>	5	Do you nave your own preservation treatment facilities o	racintles?
	a	Yes	°N D
		Page 2 of 2	

## SECTION 4 (PANEL PRODUCTS)

г тоге)
опе ог
g (Tick
llowin
the fc
cialised in
Spec
70.

Raw materials used (Tick in one or more boxes)

23.

	000000	Veneer Film-face Plywood Marine Plywood Overlay Plywood Medium Density Fibreboard High Density Fibreboard	000	Particleboard (incl. chipboard) Laminated Veneer Lumber Blockboard Others (please specify)
SECT	NOL	SECTION 5 (MOULDINGS)		
21.	g	Specialised in the following ( ${\it Tick}$ one or more)		
		General Mouldings	0	Dressed timber - S4S, E4E,
	0 0	Solid mouldings Finger-iointed mouldings		etc. Snecial Profiles
	0 0	MDF mouldings	0	Truck/Container Flooring
	a c	Laminated scanting	ø	Others (please specify)
	7	במוויוומוכת מסמותי		
SECI	NO.	SECTION 6 (BUILDERS' CARPENTRY & JOINERY)		
25.	å	Specialised in the following (Tick one or more)		
	00	Solid Door Flush Door	00	1
		Special Lead		Laminated parquet (incl. 2 and 3-nly flooring)
		☐ Dark Red Meranti	D	Panel (MDF/HDF) flooring
		□ Nyatoh	<b>G</b> (	Plywood flooring
		Others (please specify)	0	Mosaic parquet
		Placarol (honevcomb) Door		Species Used
		Engineered Door (with		
		particleboard or MDF)		
		Door Jamb		D Nyatoh
	3	Coor & Window Casing		Ciners (prease specify)
	C	Comportents		
	0	Hand Rail		Others (please specify)
		Timber Staircases & Stair Parts		
	0 0	Wall Panelling/Partition Window & Window Frames		
	ı			

Living Room Kitchen MooR gninid Children тоотрав Particleboard

Metai MDF

Others (please specify)

Veneer

Slate Solid Wood (please specify in Sec. 7(i)]

Plastic Plywood Rattan

Upholstered

Storage

School

Office

Occasional

Specialised In

Raw Material(s) Aluminium

Fabric Leather

Marble

OutdoorGarden

Page 4 of 4

Page 3 of 3

24. Species used for Solid Wood Furniture (Tick in one or more boxes)

Upholstered																
Storage													<u> </u>			
School																
Outdoor/Garden																
Office																·
Occasional												-				
moos gaivid																
Kitchen																
mooR gniniQ																
Children																
Bedroom																
Specialised In Raw Material(s)	Balau	Beech	Cherry	Kembang Semangkok	Maple	Mempisang	Merbau	Nyatoh	Oak	Pine	Rubberwood	Sepetir	Teak	Walnut	Others	(please specify)

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rniture
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Components	Fully Assemble
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27.		Components  SECTION 9 (MARKET)  27. Existing Markets:  □ Domestic  North, Central and South America  □ USA □ Canada □ Central America (please specify) □ Austria □ Austria □ Belgium □ Demmark □ Finland □ Finland □ Finland □ Finland □ Finland □ Finland □ Demmark □ Finland □ Belgium □ Demmark □ Finland □ Demmark □ Finland □ Demmark □ Dem	. ~ 00000	Germany Greece reland treland traly Luxembourg Lebanon Coman Odman Catar	0000 000	Netherlands Portugal Spain Sweden United Kingdom VAE Yemen VAE Yemen (please specify)	
	Fa	Far East					
	0 (		<b>a</b> (			South Korea	
		Hong Kong	п	Macan		Taiwan	

Page 6 of 6

	000	Brunei Cambodia Indonesia	000	Laos Myanmar Philippines	000	Singapore Thalland Vietnam
	ဝိ	Oceania/Pacific				
	0000	Australia Fiji Guam Rest of the World		000	New Caledonia New Zealand Tonga	ionia nd
18	Σ	(Please specify)				
	00000	Europe USA Canada Canada South America Southers (please specify)		0000		Widdle East Far East ASEAN Australia and New Zealand
SECT	NOL	SECTION 10 (OTHERS)				
29.	F. es	Presently, are your company's products certified under a recognised timber certification scheme?	ē	ucts certified u	nder a recog	nised timber
		Yes		a	o N	
30.	Ŧ	If yes, please provide name of the timber certification scheme	e tř	nber certificatic	эп scheme	
	My	Which of the following MTC publications are you receiving?	cat	ions are you re	ceiving?	
	00	Malaysian Timber Bulletin Timber Market Brief		0		MTC Technology Newsletter
32.	= 0	If no, are you interested to receive these publications? □ Yes	e #	iese publication	rs? No	
Prep	Prepared by:	у:				
Date:						
ag/061101						

Page 7 of 7

#### **USER MANUAL**

#### **Customer Manual**

- 1. To view the products list, customer can click any six categories that are available at the homepage which is sawn timber, mouldings, carpentry, panel product, furniture components and other timber products.
- 2. To get details information on the products just click the products image.
- 3. If customer seriously want to procure the products, click the register link at the right side of the page and fill in all the details required including username and password that will be used to login to the system to procure products. Once registered, validation will be sent to email then only customer can login.
- 4. To procure the products customer first of all set the number of the quantity they want to procure then click the buy now link. The information will be carry to the shopping cart page.
- 5. From the shopping cart page it will calculate the total price of the selected items, customer can click update to save the products information inside the shopping cart or click delete to remove it. Then click checkout link to continue with the order process where customer has to choose the type of payment and click continue to go to the payment details page.
- 6. Inside the payment details page, customer can click modify to change the order details and click change payment method before order is confirmed. Finally just click submit to confirm the order and customer will receive a confirmation message.
- 7. To check the order status later on, customer can click the order history link to see the reply from the vendor.
- 8. For any question customer can click contact us link for any assistance from the system admin that relate to the proclink.

#### Vendor Manual

- 1. First of all at the vendor homepage click login link to enter the system if already registered. If not have to get permission from the system admin first.
- 2. To view order list from customer just click order link. Inside order page just select any order using the radio button then click order details to see the full details of that order. If the orders are satisfying vendor can select complete if not just select reject. That information will be resend to the buyer to confirm the order status. Vendor also can view the validate invoice of the order by clicking invoice link and can print it.
- 3. To add new items with different categories vendor can do it through categories page by clicking categories link.
- 4. To add new product vendor can go to product page by clicking add product link. Here also vendor can modify the details of existing product inside their store.
- 5. For shipping purpose vendor can click shipping link to enter shipping page to set the type of shipping available for customer to deliver the product. Different vendor sometime offer different shipping service and price.
- 6. Finally when everything is updated, just click logout to exit the system.

```
# Table structure for table ' proclink _{\infty}gestpay_data'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              threshold bestsellers int(11) NOT NULL default 11,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      # Table structure for table ' proclink _{\infty} pp3_data'
                                                                                                                                                                                                                                                                                                                                                                        categoryid int(11) NOT NULL auto increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            membership varchar(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      meta tags varchar(255) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          product_count int(11)NOT NULL default 0',
                                                                                                                                                                                                                                     # Table structure for table 'proclink_categories'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CREATE TABLE proclink _cc_gestpay_data (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        category varchar(255) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          views_stats int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CREATE TABLE proclink cc pp3 data (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       order_by int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                   CREATE TABLE proclink_categories (
                                                                                                                                                                                                                                                                                                                                                                                                          image_x int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                      image_y int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ref varchar(255) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        avail char(1) NOT NULL default 'Y',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        value char(32) NOT NULL default *,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 type char(1) NOT NULL default C, PRIMARY KEY (value, type)
                                                                 # Host: Mysql Database: Proclink
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIMARY KEY (categoryid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          description text NOT NULL,
                                                                                                                                  3.23.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KEY order_by (order_by),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KEY category (category)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE=MyISAM;
                                                                                                                                  # Server version
# MySQL 8.14
```

```
password_hint_answer varchar(128) NOT NULL default *,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   password_hint varchar(128) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              card_number varchar(42) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             membership varchar(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                             # Table structure for table 'proclink_customers'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 card_name varchar(255) NOT NULL default "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          firstname varchar(128) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       s address varchar(255) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       card_expire varchar(4) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             address varchar(64) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             b_zipcode varchar(32) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   password varchar(64) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lastname varchar(128) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 company varchar(255) NOT NULL default
                                                                                                         param4 varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              card_type varchar(16) NOT NULL default
                         param2 varchar(255) NOT NULL default param3 varchar(255) NOT NULL default "
                                                                                                                                                param5 varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              s zipcode varchar(32) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   b_state varchar(32) NOT NULL default ',
param1 varchar(255) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 s_state varchar(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    first_login int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    phone varchar(32) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             city varchar(255) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 last login int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   city varchar(64) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          b_country char(2) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    email varchar(128) NOT NULL default "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              card_cvv2 char(3) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    s_country char(2) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             login varchar(32) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       title varchar(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                             CREATE TABLE proclink customers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              url varchar(128) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        status char(1) NOT NULL default 'Y',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                usertype char(1) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fax varchar(32) NOT NULL default
                                                                                                                                                                                      UNIQUE KEY refk (ref)
                                                                                                                                                                                                                             TYPE=MyISAM;
```

```
fieldid int(11)NOT NULL auto ingement,
        CREATE TABLE proclink_extra_fields (
                                                                     provider char(32) NOT NULL default ', field char(255) NOT NULL default ',
                                                                                                                                   value char(255) NOT NULL default ",
                                                                                                                                                                   active char(1) NOT NULL default 'Y',
                                                                                                                                                                                                 PRIMARY KEY (fieldid),
                                                                                                                                                                                                                                 KEY provider (provider),
                                                                                                                                                                                                                                                                    KEY active (active)
                                                                                                                                                                                                                                                                                                    TYPE=MyISAM;
pending membership varchar(32) NOT NULL default *,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                discount_type char(32) NOT NULL default 'absolute',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     minprice decimal(12,2) NOT NULL default 0.00;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     discount decimal(12,2) NOT NULL default 0.00;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          # Table structure for table ' proclink _extra_fields'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     discountid int(11) NOT NULL auto_increment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       # Table structure for table ' proclink_discounts'
                                                                                                                                                                                                                                                                                                                                                                                                                                                       # Table structure for table ' proclink_delivery'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                membership char(32) NOT NULL default ".
                                                                language char(2) NOT NULL default US,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                shippingid int(11)NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIMARY KEY (shippingid, productid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   productid int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   provider char(32) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CREATE TABLE proclink discounts (
                                     ssn varchar(32) NOT NULL default ".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KEY shippingid_incex (shippingid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CREATE TABLE proclink _delivery (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KEY productid_index (productid)
                                                                                                                                                                                                                                 KEY membership (membership),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KEY membership (membership)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIMARY KEY (discountid),
                                                                                                                                                                                                                                                                                         KEY first_login (first_login),
                                                                                                                                                              UNIQUE KEY login (login),
                                                                                                                                                                                                                                                         KEY last_login (last_login),
                                                                                                                              PRIMARY KEY (login),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEY minprice (minprice),
                                                                                                                                                                                              KEY usertype (usertype),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEY provider (provider),
                                                                                                   cart text NOT NULL,
                                                                                                                                                                                                                                                                                                                       KEY status (status)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                            TYPE=MyISAM;
```

```
# Table structure for table ' proclink _featured_products'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # Table structure for table 'proclink fedex rates'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        r rate decimal(12,2) NOT NULL default '0.00',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                # Table structure for table ' proclink _fedex_zips'
                                                                                                  CREATE TABLE proclink _featured_products (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             r_weight varchar(255) NOT NULL default 0',
                                                                                                                                                                                                              product_order int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      r_ishundreds int(1) NOT NULL default '0',
                                                                                                                                                                                                                                                                                PRIMARY KEY (productid,categoryid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    r meth id int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          r_container int(1) NOT NULL default '0',
                                                                                                                                                                          categoryid int(11) NOT NULL default 0;
                                                                                                                                      producted int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CREATE TABLE proclink _fedex_rates (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r id int(11) NOT NULL auto increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            r_zone varchar(6) NOT NULL default ",
                                                                                                                                                                                                                                            avail char(1) NOT NULL default Y,
                                                                                                                                                                                                                                                                                                                    KEY product_order (product_order),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KEY r meth id (r meth id),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIMARY KEY (r_id),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KEY 1_zone (r_zone),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KEY r rate (r rate)
                                                                                                                                                                                                                                                                                                                                                     KEY avail (avail)
                                                                                                                                                                                                                                                                                                                                                                                            TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE=MylSAM;
```

```
image_type varchar(64) NOT NULL default image/jpeg',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                # Table structure for table 'proclink_login_history
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         image_path varchar(255) NOT NULL default '.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  imageid int(11) NOT NULL auto_increment, productid int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                         # Table structure for table ' proclink_images'
CREATE TABLE proclink fedex_zips (zip_id int(11) NOT NULL auto_ingement,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             image_size int(11) NOT NULL default 0',
                                                                   zip first char(3) NOT NULL default '000',
                                                                                                                              zip zone varchar(6) NOT NULL default "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CREATE TABLE proclink login history
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    date time int(11) NOT NULL default 0';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               image_x int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          image_y int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          alt varchar(255) NOT NULL default ",
                                                                                           zip_last char(3) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      orderby int(11) NOT NULL default 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               usertype char(1) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             avail char(1) NOT NULL default 'Y',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          action char(32) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          status char(32) NOT NULL default 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 login char(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CREATE TABLE proclink images (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIMARY KEY (login, date_time)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ip char(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   image mediumblob NOT NULL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIMARY KEY (imageid),
                                                                                                                                                            PRIMARY KEY (zip_id),
KEY zip_first (zip_first),
KEY zip_last (zip_last),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KEY productid (productid)
                                                                                                                                                                                                                                                          KEY zip_zone (zip_zone)
                                                                                                                                                                                                                                                                                        TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE=MylSAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE=MyISAM;
```

```
module_name varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      module_descr varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               # Table structure for table 'proclink_order_details'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     # Table structure for table ' proclink _newsletter'
                                                                                                                                                                                                                                                                                                                                                                                                                                                            moduleid int(11) NOT NULL auto_ingement,
                                                                                                                                                                                                                                                                                                                              # Table structure for table ' proclink _modules'
# Table structure for table 'proclink_maillist'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           newsid int(11) NOT NULL auto_ingrement,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    emaili varchar(128) NOT NULL default ', email2 varchar(128) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      email3 varchar(128) NOT NULL default
                                                                                                                                                            since_date int(11) NOT NULL default 0, PRIMARY KEY (email)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    subject varchar(128) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             send_date int(11) NOT NULL default '0'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CREATE TABLE proclink newsletter (
                                                                                                                                                                                                                                                                                                                                                                                                                              CREATE TABLE proclink modules (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            active char(1) NOT NULL default 'Y',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 status char(1) NOT NULL default 'N',
                                                                                                                              email char(128) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KEY module_name (module_name),
                                                                                             CREATE TABLE proclink_maillist(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIMARY KEY (moduleid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEY send date (send date)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIMARY KEY (newsid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          body text NOT NULL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KEY active (active)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KEY status (status),
                                                                                                                                                                                                                                TYPE=MylSAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE=MyISAM;
```

giftcert\_discount decimal(12,2) NOT NULL default '0.00', coupon discount decimal(12,2) NOT NULL default 0.00' shipping\_oost decimal(12,2) NOT NULL default '0.00'. payment\_method varchar(64) NOT NULL default ", taxes\_applyed varchar(10) NOT NULL default 'G', discount decimal(12,2) NOT NULL default 0.00, total\_vat decimal(12,2) NOT NULL default 0.009 subtotal decimal(12,2) NOT NULL default 0.00° tax gst decimal(12,2) NOT NULL default 0.00; tax pst decimal(12,2) NOT NULL default 0.00; price decimal(12,2) NOT NULL default 0.00, total decimal(12,2) NOT NULL default 0.00, orderid int(11) NOT NULL auto increment, company varchar(255) NOT NULL default " tax decimal(12,2) NOT NULL default '0.00', irstname varchar(32) NOT NULL default: provider varchar(32) NOT NULL default ", # Table structure for table ' proclink\_orders' customer varchar(32) NOT NULL default astname varchar(32) NOT NULL default CREATE TABLE proclink order details (ordering int (11) NOT NULL default 0, shippingid int(11)NOT NULL default 0', coupon varchar(16) NOT NULL default " tracking varchar(64) NOT NULL default productid int(11) NOT NULL default '0', ogin varchar(32) NOT NULL default \* amount int(11) NOT NULL default 0', title varchar(32) NOT NULL default ". status char(1) NOT NULL default O', flag char(1) NOT NULL default N', CREATE TABLE proclink\_orders ( date int(11) NOT NULL default 0', product\_options text NOT NULL, giftcert\_ids text NOT NULL. KEY productid (productid), KEY provider (provider) KEY orderid (orderid), details text NOT NULL notes text NOT NULL TYPE=MyISAM;

# Table structure for table ' proclink \_ partner\_commissions' s\_zipcode varchar(32) NOT NULL default 'phone varchar(32) NOT NULL default ', pageid int(11) NOT NULL auto\_increment, filename varchar(255) NOT NULL default # Table structure for table ' proclink\_pages' language char(2) NOT NULL default US, email varchar(128) NOT NULL default", s\_country char(2) NOT NULL default . title varchar(255) NOT NULL default: orderby int(11) NOT NULL default 0', language char(2) NOT NULL default fax varchar(32) NOT NULL default ", active char(1) NOT NULL default 'Y', url varchar(32) NOT NULL default ", level char(1) NOT NULL default E, CREATE TABLE proclink pages ( KEY orderby (level, orderby, title) reg numbers text NOT NULL, PRIMARY KEY (orderid), KEY s\_country (s\_country), KEY b country (b country), PRIMARY KEY (pageid), KEY order date (date), KEY b\_state (b\_state), KEY s state (s state), KEY login (login) TYPE=MyISAM; TYPE=MylSAM;

s address varchar(64) NOT NULL default

s\_city varchar(64) NOT NULL default ", s\_state varchar(32) NOT NULL default ",

b zipcode varchar(32) NOT NULL default

state varchar(32) NOT NULL default

city varchar(64) NOT NULL default

country char(2) NOT NULL default ',

CREATE TABLE proclink partner commissions (

```
# Table structure for table 'proclink_payment_methods'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          payment_template char(128) NOT NULL default ",
                                            # Table structure for table 'proclink_partner_views'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       payment_method char(128) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   payment_details char(255) NOT NULL default ".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         payment_script char(128) NOT NULL default *,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CREATE TABLE proclink _payment_methods(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           paymentid int(11) NOT NULL auto increment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    membership char(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         # Table structure for table ' proclink_pricing'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                priceid int(11) NOT NULL auto_increment,
                                                                                                                                               CREATE TABLE proclink_partner_views (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protocol char(6) NOT NULL default http:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            productid int(11) NOT NULL default '0',
                                                                                                                                                                                login varchar(32) NOT NULL default ",
                                                                                                                                                                                                                     add date int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         orderby int(11) NOT NULL default 0'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              quantity int(11) NOT NULL default 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        active char(1) NOT NULL default 'Y',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CREATE TABLE proclink pricing (
                                                                                                                                                                                                                                                 class char(1) NOT NULL default",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIMARY KEY (paymentid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEY orderby (orderby)
                                                                                                                                                                                                                                                                                   KEY login (login)
                                                                                                                                                                                                                                                                                                               TYPE=MylSAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     # Table structure for table ' proclink _partner_plans_commissions'
                                                                                                                                                                                                       # Table structure for table 'proclink_partner_payment'
                                                                                                                                                                                                                                                                                                                                                                                                                                                commissions decimal(12,2) NOT NULL defautt 0.00;
paid char(1) NOT NULL default 'N',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 # Table structure for table 'proclink_partner_plans'
                                                                                                                                                                                                                                                                                                            CREATE TABLE proclink partner payment (payment_id int(11) NOT NULL auto_increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     plan_id int(11) NOT NULL auto_increment, plan_title varchar(64) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CREATE TABLE proclink _partner_plans (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 add_date int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                               login varchar(32) NOT NULL default
plan id int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                 orderid int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   status char(1) NOT NULL default 'A'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIMARY KEY (payment_id),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIMARY KEY (plan_id),
                                    PRIMARY KEY (login),
                                                                   KEY plan id (plan id)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEY orderid (orderid)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEY status (status)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KEY login (login),
                                                                                                             TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE=MyISAM;
```

price decimal(12,2) NOT NULL default 0.00',

CREATE TABLE proclink\_partner\_plans\_commissions (plan\_id int(11) NOT NULL default '0',

commission\_type enum(\\$,\%) NOT NULL default \%',

PRIMARY KEY (plan\_id,item\_id,item\_type)

TYPE=MyISAM;

item\_type char(1) NOT NULL default 'A',

item id int(11) NOT NULL default 0',

commission decimal(12,2) NOT NULL default '0.00',

membership char(32) NOT NULL default ", PRIMARY KEY (priceid),

KEY membership (membership)

TYPE=MylSAM;

KEY productid (productid),

```
# Table structure for table ' proclink_product_reviews'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            # Table structure for table 'proclink_product_options_ex'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  # Table structure for table ' proclink _product_options_js'
                                                                                                                                                                                                                                                                                                             # Table structure for table ' proclink _product_options
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CREATE TABLE proclink _product_options_ex (optionid int(11) NOT NULL auto_increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exception varchar(128) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                              CREATE TABLE proclink _product_options (
optionid int(11) NOT NULL auto_increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  optclass varchar(128) NOT NULL default ", opttext varchar(255) NOT NULL default ",
  productid1 int(11) NOT NULL default 0; productid2 int(11) NOT NULL default 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            producted int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             productid int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                orderby int(11) NOT NULL default 0',
                                                                    orderby int(11) NOT NULL default 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIMARY KEY (optionid),
KEY productid (productid, exception)
                                                                                                         KEY productid2 (productid2),
                                                                                                                                     KEY productid1 (productid1),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIMARY KEY (optionid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KEY productid (productid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              options text NOT NULL,
                                                                                                                                                                        KEY orderby (orderby)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KEY orderby (orderby)
                                                                                                                                                                                                       TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE=MyISAM;
```

CREATE TABLE proclink product options is ( producted int(11) NOT NULL default '0',

```
# Table structure for table ' proclink _ product_votes'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  weight decimal(12,2) NOT NULL default '0.00',
CREATE TABLE proclink product reviews (review id int(11) NOT NULL auto increment, remote ip varchar(15) NOT NULL default temail varchar(128) NOT NULL default t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       productid int(11) NOT NULL auto_increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          productcode varchar(32) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  distribution varchar(255) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   # Table structure for table 'proclink_products'
                                                                                                                                       message varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vote id int(11) NOT NULL auto increment, remote ip varchar(15) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          product varchar(255) NOT NULL default 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             provider varchar(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CREATE TABLE proclink _product_votes (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     model varchar(255) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    categoryid int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               brand varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         vote_value int(1) NOT NULL default '0'.
                                                                                                                                                                          productid int(11) NOT NULL default '0', PRIMARY KEY (review_id),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              productid int(11) NOT NULL default '0', PRIMARY KEY (vote_id),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CREATE TABLE proclink products (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KEY remote_ip (remote_ip),
KEY productid (productid)
TYPE=MyISAM;
                                                                                                                                                                                                                                                                               KEY remote_ip (remote_ip)
TYPE=MyISAM;
                                                                                                                                                                                                                                               KEY productid (productid),
```

TYPE=MyISAM;

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CREATE TABLE proclink \_product\_links(

shipping\_freight decimal(12,2) NOT NULL default 0.00', KEY categoryid1 (categoryid1,categoryid2,categoryid3), ist\_price decimal(12,2) NOT NULL default 0.00', low\_avail\_limit int(11) NOT NULL default '10', free\_shipping char(1) NOT NULL default N', param00 varchar(255) NOT NULL default ', param01 varchar(255) NOT NULL default; param04 varchar(255) NOT NULL default, param07 varchar(255) NOT NULL default param06 varchar(255) NOT NULL default param02 varchar(255) NOT NULL default param08 varchar(255) NOT NULL default param09 varchar(255) NOT NULL default min amount int(11) NOT NULL default '1', param03 varchar(255) NOT NULL default param05 varchar(255) NOT NULL default categoryid3 int(11) NOT NULL default 0. views\_stats int(11) NOT NULL default 0; categoryid1 int(11) NOT NULL detault U, categoryid2 int(11) NOT NULL default 0', apply\_gst char(1) NOT NULL default N'. apply pst char(1) NOT NULL default N, sales\_stats int(11)NOT NULL default 0', free tax char(1) NOT NULL default 'N', add\_date int(11) NOT NULL default '0', image y int(11) NOT NULL default '0'. mage x int(11) NOT NULL default '0', orderby int(11) NOT NULL default 0', del stats int(11) NOT NULL default '0' dim\_x int(11) NOT NULL default '0', forsale char(1) NOT NULL default 'Y' dim\_y int(11) NOT NULL default '0', dim\_z int(11) NOT NULL default '0', rating int(11) NOT NULL default 0', avail int(11) NOT NULL default 0', vat int(11) NOT NULL default 0', discount avail char(1) default ", PRIMARY KEY (productid), KEY category (categoryid), KEY rating (rating), KEY add\_date (add\_date), fulldescr text NOT NULL, KEY provider (provider), KEY product (product), descr text NOT NULL,

KEY avail (avail),

KEY categories (forsale, categoryid, categoryid1, categoryid2, categoryid3) weight limit decimal(12,2) NOT NULL default 0.00, intershipper\_code varchar(32) NOT NULL default ", # Table structure for table ' proclink\_shipping\_rates' # Table structure for table 'proclink\_sessions\_data' shipping\_time varchar(128) NOT NULL default", shippingid int(11)NOT NULL auto\_increment, # Table structure for table ' proclink\_shipping' service code int(11) NOT NULL default 0, shipping varchar(128) NOT NULL default CREATE TABLE proclink shipping rates ( rateid int(11) NOT NULL auto\_ingement, KEY best\_sellers (sales\_stats, views\_stats), destination char(1) NOT NULL default T, subcode varchar(32) NOT NULL default ", CREATE TABLE proclink sessions data ( shippingid int(11)NOT NULL default 0', sessid varchar(40) NOT NULL default orderby int(11) NOT NULL default 0', code varchar(32) NOT NULL default zoneid int(11) NOT NULL default 0', CREATE TABLE proclink\_shipping( active char(1) NOT NULL default 'Y', expiry int(11) NOT NULL default 0', start int(11) NOT NULL default 0', PRIMARY KEY (shippingid), PRIMARY KEY (sessid) KEY orderby (orderby) data text NOT NULL, TYPE=MyISAM; XEY code (code), TYPE=MyISAM; TYPE=MyISAM;

K.E.Y. orderby (orderby),

```
maxamount inq 11,1 inc. 1, 1001, ustaun 1000000, us, maxweight decimal(12,2) NOT NULL default 10000000.00;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tax_percent decimal(12,2) NOT NULL default '0.00', tax_flat decimal(12,2) NOT NULL default '0.00',
                                                                                                                                                           weight_rate decimal(12,2) NOT NULL default '0.00',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gst_rate decimal(12,3) NOT NULL default 0.000, pst_rate decimal(12,3) NOT NULL default 0.000,
                                                       maxtotal decimal(12,2) NOT NULL default '0.00',
                                                                                                                             item rate decimal(12,2) NOT NULL default 0.00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            # Table structure for table 'proclink_state_zones'
                                                                                                                                                                                              rate_p decimal(12,2) NOT NULL default 0.00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           # Table structure for table 'proclink_state_tax'
                                                                                          rate decimal(12,2) NOT NULL default 0.00',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tax_shipping char(1) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     taxid int(11) NOT NULL auto_increment,
                                                                                                                                                                                                                                    provider char(32) NOT NULL default; type char(1) NOT NULL default D',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     provider char(32) NOT NULL default ',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CREATE TABLE proclink state zones (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       provider char(32) NOT NULL default ", PRIMARY KEY (code, provider),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                zoneid int(11) NOT NULL default 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CREATE TABLE proclink_state_tax (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              code char(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  code char(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KEY zoneid (zoneid, code, provider)
                                                                                                                                                                                                                                                                                                                                                                                                                 KEY maxamount (maxamount),
                                                                                                                                                                                                                                                                                                                                                                                                                                                    KEY maxweight (maxweight), KEY zoneid (zoneid)
                                                                                                                                                                                                                                                                                                                                                                              KEY shippingid (shippingid),
                                                                                                                                                                                                                                                                                                          PRIMARY KEY (rateid),
                                                                                                                                                                                                                                                                                                                                                KEY provider (provider),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIMARY KEY (taxid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KEY provider (provider)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEY code (code),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE=MyISAM;
```

TYPE=MyISAM;

```
# Table structure for table ' proclink _stats_customers_products'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CREATE TABLE proclink_stats_oustomers_products (
                                                                                                                                                                                                                                                                                                                                                                                      # Table structure for table proclink stats_cart_funnel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transactionid int(11) NOT NULL auto_increment,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CREATE TABLE proclink_stats_cart_funnel(
                                                                                                                       country_code char(2) NOT NULL default ",
CREATE TABLE proclink _states (
stated int(11) NOT NULL auto_ingement,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               start_page int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            final page int(11) NOT NULL default 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        productid int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                login varchar(32) NOT NULL default ",
                                                              state varchar(32) NOT NULL default ",
                                                                                            code varchar(32) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 login varchar(32) NOT NULL default ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    counter int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        step2 int(11) NOT NULL default 0', step3 int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             step1 int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  date int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                            KEY country_code (country_code)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIMARY KEY (transactionid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEY final_page (final_page),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEY start page (start page),
                                                                                                                                                                                        UNIQUE KEY code (code),
                                                                                                                                                             PRIMARY KEY (stated),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KEY step1 (step1),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KEY step2 (step2),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KEY step3 (step3),
                                                                                                                                                                                                                            KEY state (state),
                                                                                                                                                                                                                                                                                             TYPE=MyISAM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEY date (date)
```

# Table structure for table 'proclink states'

```
# Table structure for table ' proclink_stats_pages_views'
                                                                                                                                                                                                                                                                                                                                                                                                                                              # Table structure for table ' proclink _stats_pages_paths'
                                                                                                                    # Table structure for table 'proclink_stats_pages'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CREATE TABLE proclink_stats_pages_paths (path varchar(255) NOT NULL default ",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CREATE TABLE proclink_stats_pages_views (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # Table structure for table 'proclink_stats_shop'
                                                                                                                                                                                                                                         pageid int(11) NOT NULL auto_increment,
                                                                                                                                                                                                       CREATE TABLE proclink_stats_pages (
                                                                                                                                                                                                                                                                    page varchar(255) NOT NULL default
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pageid int(255) NOT NULL default 0, ' time avg int(11) NOT NULL default 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         date int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         date int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                            PRIMARY KEY (pageid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEY time_avg (time_avg),
KEY counter (counter)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KEY pageid (pageid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KEY counter (date),
                               TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                              KEY page (page)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                           TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEY path (path)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KEY date (date)
```

CREATE TABLE proclink\_stats\_shop( id int(11) NOT NULL default 0', action char(1) NOT NULL default V',

```
image_type varchar(64) NOT NULL default 'mage/jpeg',
PRIMARY KEY (productid)
                                                                                                                                                                                                                                                                                                                                                                   # Table structure for table 'proclink_thumbnails'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  image_path varchar(255) NOT NULL default ',
                                                                                                                         rate_a decimal(12,2) NOT NULL default 0.00, rate_p decimal(12,2) NOT NULL default 0.00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 value decimal(12,2) NOT NULL default 0.00°,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               # Table structure for table 'proclink_vat_rates'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               provider varchar(32) NOT NULL default ",
                              rateid int(11) NOT NULL auto_ingement,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rateid int(11) NOT NULL auto_increment,
                                                            productid int(11) NOT NULL default '0'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     productid int(11) NOT NULL default '0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                       CREATE TABLE proclink _thumbnails(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rate varchar(255) NOT NULL default",
CREATE TABLE proclink_tax_rates (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CREATE TABLE proclink_vat_rates (
                                                                                           zoneid int(11) NOT NULL default 0',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 image mediumblob NOT NULL,
                                                                                                                                                                                                                KEY productid (productid),
                                                                                                                                                                                 PRIMARY KEY (rateid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIMARY KEY (rateid),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEY provider (provider)
                                                                                                                                                                                                                                         KEY zoneid (zoneid)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KEY value (value),
                                                                                                                                                                                                                                                                          TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE=MyISAM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KEY rate (rate),
```

# Table structure for table 'proclink\_tax\_rates'

KEY id (id),

KEY action (action)

TYPE=MyISAM; KEY date (date),

```
# Table structure for table 'proclink_wishlist'
# Table structure for table 'proclink_wishlist (
login char(32) NOT NULL default ",
productid int(11) NOT NULL default 0',
amount int(11) NOT NULL default 0',
purchased char(1) NOT NULL default 0',
PRIMARY KEY (login,productid),
KEY login index (login)
) TYPE=MyīSAM;

# Table structure for table 'proclink_zipcode_tax'
# Table structure for table 'proclink_zipcode_tax'
# CREATE TABLE proclink_zipcode tax (
taxid int(11) NOT NULL auto_increment,
zipcode_mask char(12) NOT NULL default ',
provider char(32) NOT NULL default ',
provider decimal(12,2) NOT NULL default 'N',
PRIMARY KEY (taxid),
KEY provider (provider)
) TYPE=MyiSAM;
```

) IYPE=MyISAM;