## COVID-19 Vaccine Scheduler for Private Hospital



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**Final Year Project II** 

**Viva Presentation** 

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Gantt Chart

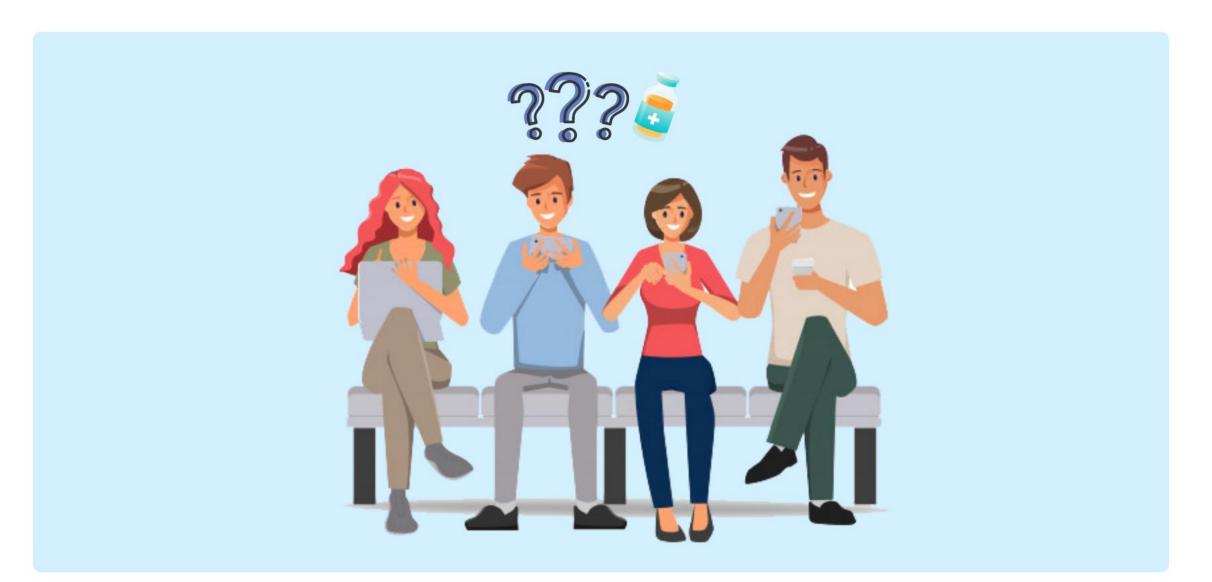


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Conclusion

#### Reference

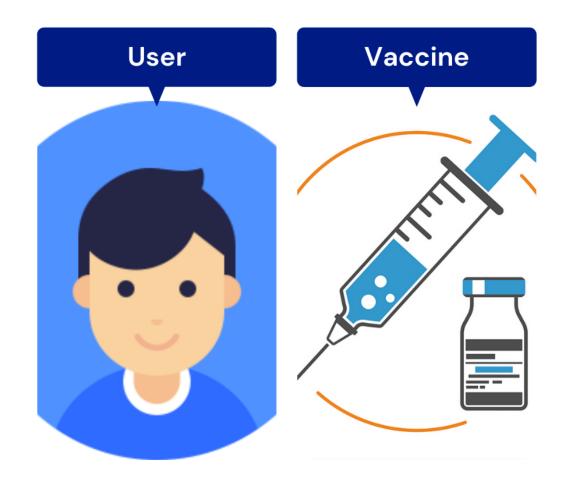
#### **Overview**



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## Introduction

- This project is a mobile application to assist in providing suitable vaccine information to the children and suggest the best vaccine to take
- The suggestion was made based on their age and health condition





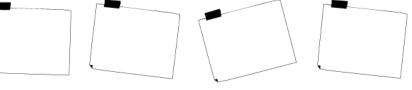
#### There is no COVID-19 Vaccine Scheduler for Private Hospital in Malaysia

# Objectives

To investigate the existing vaccine scheduler for private hospital

# 2

To develop vaccine scheduler for private hospital





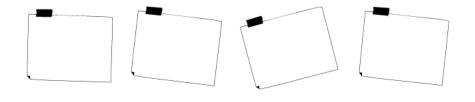
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To conduct user testing

# Scope



The study will be carried out by student analyzing the data source





Involving only COVID-19 vaccine scheduler in

Malaysia

#### **Literature Review**

Year	Title	Keypoint
Hasan et al., 2021	e-Vaccine: An Immunization App	Provides a system to provide information, store records and help parents schedule vaccination appointments for their children
Bednarczyk et al., 2017	ReadyVax: A new mobile vaccine information app	For use by traditional vaccine providers, pharmacists, and patients to readily obtain vaccine-related information and empower public
Lazarus et al., 2021	A global survey of potential acceptance of a COVID-19 vaccine	Reporting one's willingness to get vaccinated might not be necessarily a good predictor of acceptance, as vaccine decisions are multifactorial and can change over time

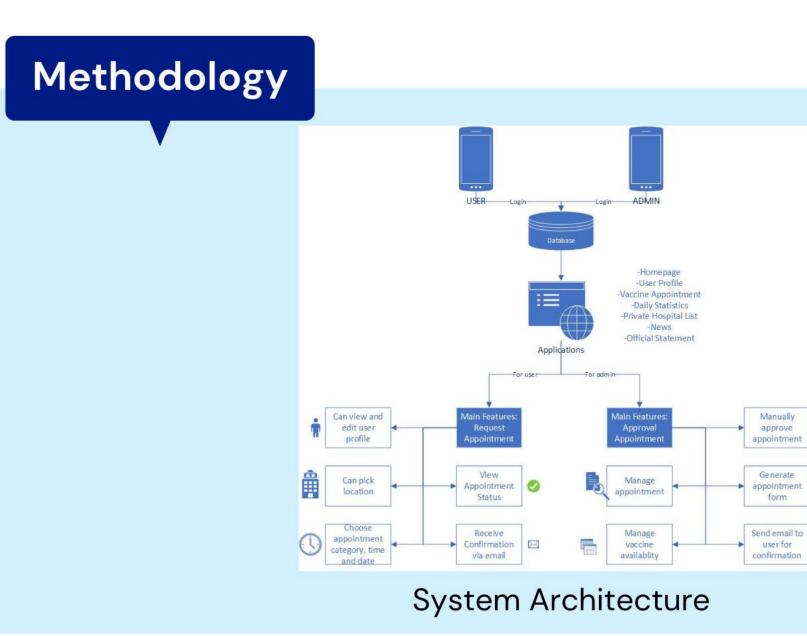
#### **Literature Review**

Year	Title	Keypoint
Morley et al., 2020	Ethical guidelines for COVID-19 tracing apps	These digital application has several issue as collecting sensitive personal data may jeopardise privacy and equality
Shekhar et al., 2021	COVID-19 vaccine acceptance among health care workers in the United States	Many are still fear of the side effect of COVID-19 vaccines among the health workers in the United States

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- Use iterative development
- Don't lose track of daily standups
- Set clean communications guidelines for teams
- Ensure feedback (from end user) is continuous and transparent
- Focus on flow



R

#### **Tools & Language**





Android application are written in Kotlin

The integrated development environment (IDE) of choice for Android developers



To create layouts that serve as the foundational UI

#### **Tools & Language**

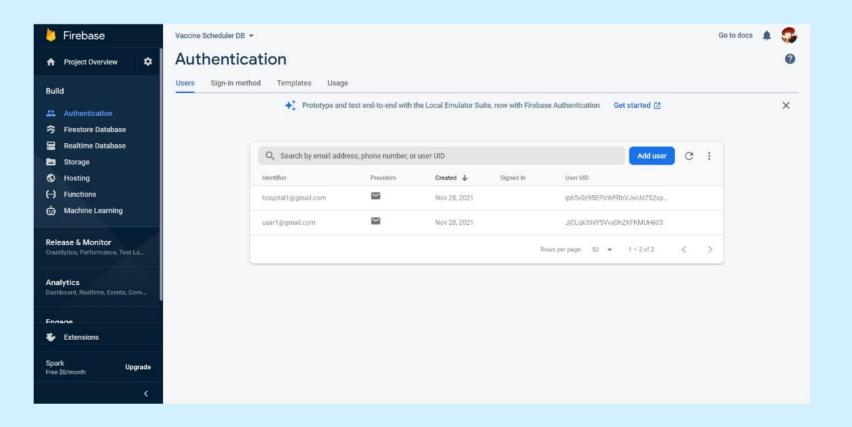




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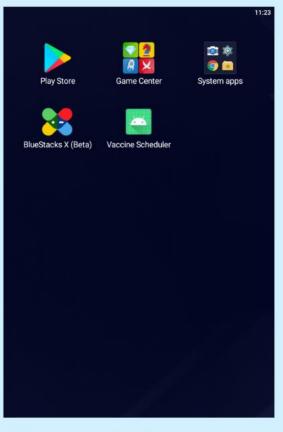
Simulated device running on Bluestack Firebase to provide realtime database

#### **Results & Discussion**



**Firebase interface** 

#### **Results & Discussion**



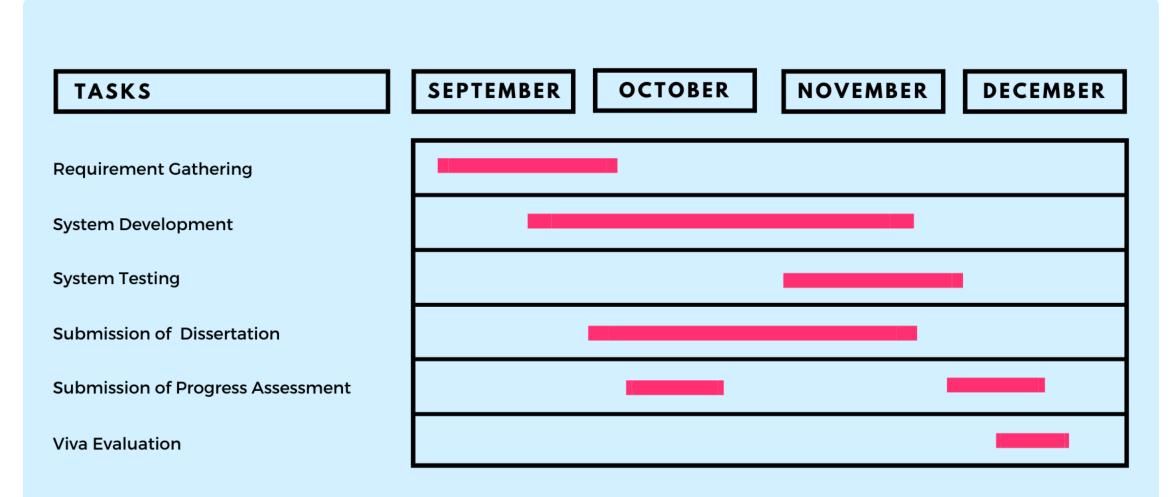
**Bluestack Homepage** 

#### **Results & Discussion**

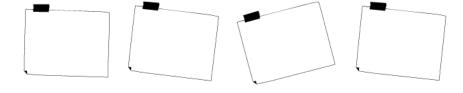
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	LOGIN	
	No account? Register Now	

COVID-19 Vaccine Scheduler Homepage

#### **Gantt Chart**



## Conclusion



Malaysia can achieve low minimal case with effective vaccine sheduler system



Improvements can be added to the system according to the needs of healthcare system



To integrate login authentication using two-factor authentication

### References

http://mysejahtera.malaysia.gov.my/ http://covid-19.moh.gov.my/ https://ieeexplore.ieee.org/document/9445386/ https://www.tandfonline.com/doi/full/10.1080/21645515.2016.1263779 https://www.nature.com/articles/s41591-020-1124-9 https://pharmaniaga.com/wp-content/uploads/Covid-19/Clinical%20Guidelines%20on%20COVID-19.pdf https://www.nvisia.com/insights/agile-methodology https://pubmed.ncbi.nlm.nih.gov/32467596/ https://www.mdpi.com/984370

# Thank you! Q&A