



# MYDIALYSIS APPLICATION

## (Dialysis Center Management Application)



### INTRODUCTION

- Dialysis treatment is one of the most important and high-demand treatments in Malaysia since its rate in all states in Malaysia has exceeded 100 per million state population.
- The dialysis treatment has shown an overnight growth and the number of dialysis patients has tripled in the past 10 years.
- myDialysis application is a mobile application that helps dialysis center staff and patient to manage the dialysis treatment conveniently.

### PROBLEM STATEMENT

- Storing data traditionally (sheets, file and phone calls).

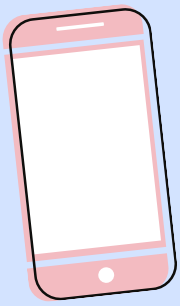


- Difficulty in accessing treatment record and patient data.

- No platform provided for patient and hospital staff to manage specialist appointment.



### OBJECTIVES



- To study the existing application and determine how to develop dialysis management application.
- To design and develop an application that helps dialysis patients to view their treatment records, manage their dialysis slot time and organize their specialist appointment conveniently.
- To evaluate the effectiveness and functionality of the application in solving the problem statement.

### SCOPE

#### USER

- Dialysis Center Patient
- Dialysis Center Staff/Nurse
- Hospital Staff/Nurse

#### Cover modules:

- Manage profile
- Manage slot time
- Manage treatment data
- Manage payment
- Manage appointment
- Manage directory

#### SYSTEM

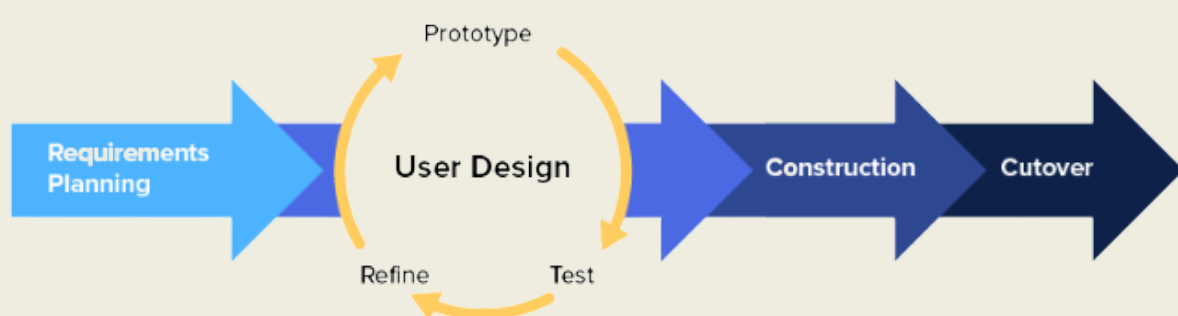
#### DEVELOPMENT

- Using Android Studio, SQLite, Dart Programming Language, Flutter Framework



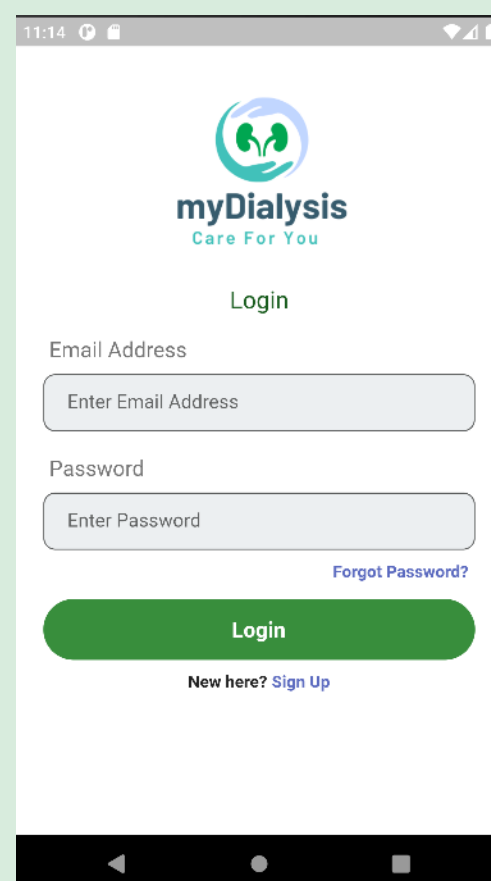
### METHODOLOGY

#### Rapid Application Development (RAD)

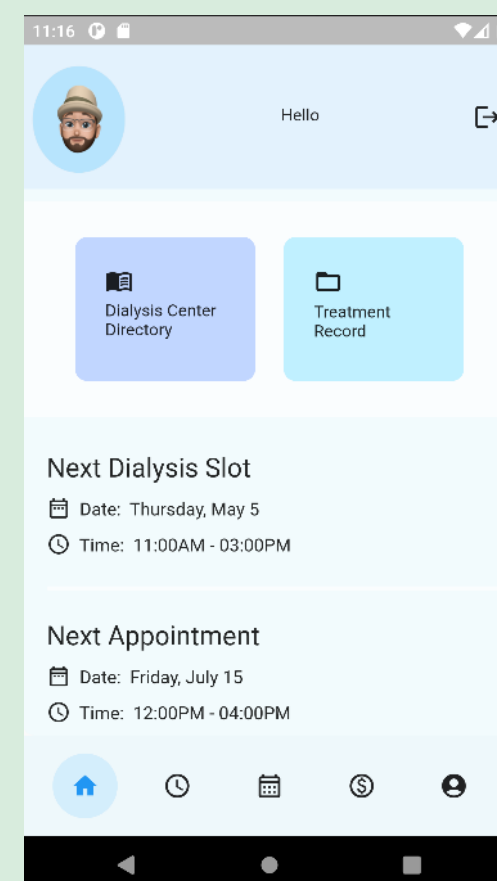


#### RAD Methodology

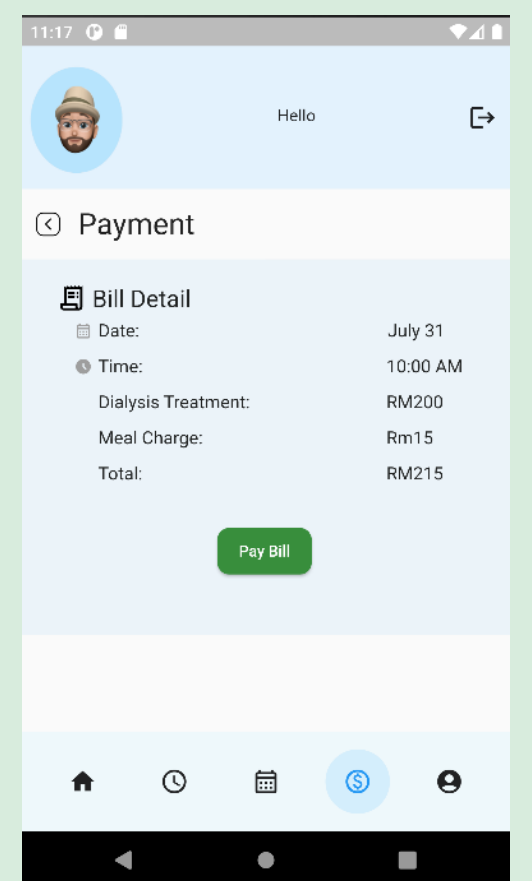
### RESULT



Login Page



Patient Home Page



Patient Payment Page

### CONCLUSION

- This application can serve as an effective platform to manage dialysis treatment slot time, records, payment, and patient specialist appointment as the design is simple and easy to navigate especially for elderly patients. This application will be implemented and evaluated by dialysis staff and patients.