

Patent

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A DIGITAL SELF-MANAGEMENT BLOOD GLUCOSE TRACKER

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INTRODUCTION

The rate of diabetes mellitus in Malaysia is one of the highest worldwide. Mobile health (mHealth) has become a conventional mode for delivering health services around the world. In term of self-management, mHealth becomes a crucial to keep on track and achieve good health.

PROBLEM STATEMENT

Malaysian with diabetes dependents with the log book that given by hospital or clinic to track the blood glucose level and monitor their health condition. They are not familiar with self-management by tracking the level of blood glucose in mobile application.

OBJECTIVES

- To study mobile health application for diabetic patients in Malaysia.
- To develop a mobile health application for diabetic patients in Malaysia.
- To test and validate the developed prototype in mobile application.

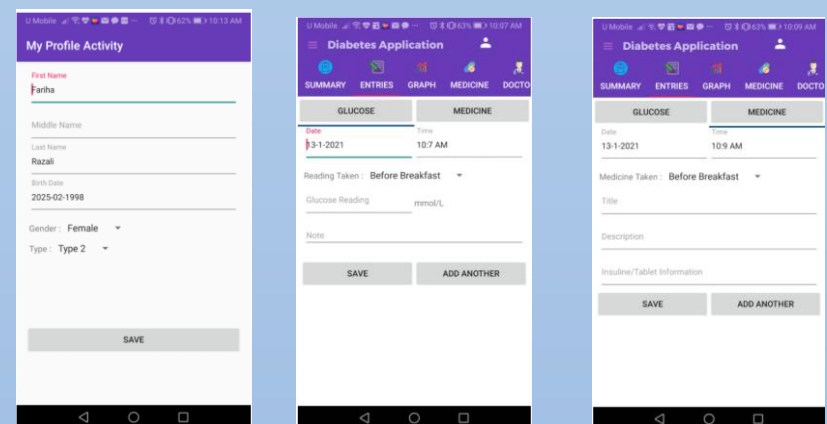
SCOPE

- The classification is Malaysians who have diabetes.
- The study focuses on Malaysians with diabetes type 1 and type 2
- Diabetic patients able to manage profile, manage blood glucose, manage medication, manage doctor, manage reminder, manage food and manage report

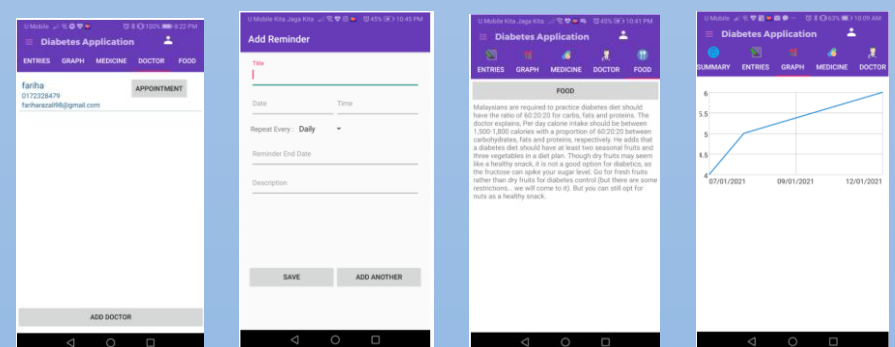
BENEFITS

- Helps diabetic patients improves the effectiveness of health behaviours and reduce risks the complications development.

RESULT



Manage profile manage blood glucose manage medication



Manage doctor manage reminder manage food manage report

CONCLUSION

The Digital Self-Management Blood Glucose Tracker that implied SQLite for database purpose would be easier for diabetic patients to monitor their diabetes as the mobile is always with them. The application is easy to understand and can be managed by seven module which manage profile, manage blood glucose, manage medication, manage doctor, manage reminder, manage food and manage report

ACHIEVEMENT

- Gold Medal, FYP-PRO Convention 2021 (Self-Management for Diabetic Patients in Malaysia)