UNIVERSITI TEKNOLOGI MARA

CLINIC APPOINTMENT SYSTEM USING MOBILE APPLICATION

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ABSTRACT

Clinic Appointment System using Mobile Application an application which gives benefit to the patients, clinic staff and doctors that access, examine, test and diagnose a patient of a diseases. This is when the patient appointment schedule is given manually. Patients also have issues where they have to wait too long for their turn when they go to the clinic. The objective is to develop a mobile application that will schedule patient's appointments with the clinic and to test the functionality of mobile application. This project has appointment scheduling whereby a patient only chooses a doctor and then the patients can select a date and time. According to the system that have been develop are by using Android Studio which is develop by language JAVA was used as the choice of programming language for the logic and the frontend while Firebase as the database are used for the backend. The research work played a major contribution in the field of clinic appointment which allows and enable the patient to have a real time scheduling of appointments with a doctor.

Keyword- Android, mobile application, clinic, appointment system

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INTRODUCTION

This chapter provides the background and rationale for the study. It also gives details of the significance of clinic appointment system in the Malaysia, the issues and problems that led to this research.

1.1   Background of Study

All over the world today is facing a very critical crisis which is pandemic Covid-19 including Malaysia. As a result, more and more patients are coming to the clinic for treatment. Every clinic visited is bound to be crowded with many sick people. Therefore, all patients who come for doctor's appointment are facing problems in terms of time and to keep distance with other patients. Thus, this is really concerning to all the individuals present.

Everybody who comes to the clinic, which is a public area, wants to be sure that they can keep a distance from each other. So if there is no distinction between them, this could make the Covid-19 virus easier to spread. For example, in the current situation at a health clinic in Titiwangsa, a long line of cars and people were seen waiting for their turn to be checked by medical staff in protective suits (Azhar Mahfof, 2020).

Clinic is the organisation responsible for supplying all kinds of people with medications and care for their wellbeing. Every day there are people who need to use the facilities of the clinic (Aniket Teke, 2019). In order to improve the clinic management, a Clinic Appointment System is proposed to simplify the process of making appointment that exists in the clinic. All of the procedures in the clinic are considered in this proposed system. For example, with its 'Online Appointment' and 'Webinar for COVID-19' projects, the Health Ministry (MOH) today signed a Memorandum of Understanding (MoU) with