UNIVERSITI TEKNOLOGI MARA

FANTAPPSTIC: MOBILE LOCATION REMINDER APPLICATION

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ABSTRACT

The demand for mobile phones is growing day by day. In today's world, the purpose of using a smart-phone is to gain access to additional services especially location-based reminder. A location reminder apps requires GPS systems to manage the current location of the user as part of its core purpose of alerting the user. Current location-based alarm applications are unable to provide information on a user 's exact direction to another selected spot of destination and the majority of the programmes were not user pleasant. To address this issue, this research paper attempted to create an application that allows users to mark locations where they should receive reminders. Location-based reminder also makes some individuals less likely to miss their destinations when travelling. In addition, users may plan time alarms by selecting a day and time. It features a straightforward design, as well as an easy to-use interface and environment. The primary goal of this research is to develop applications based on a time and location reminder software system, that will require the presence of some useful modules. This paper's technique is organized into five major phases: planning and analysis; design; implementation; testing; and evaluation. This research paper's goal here is to help people with a good location reminder application. In the Fantappstic application, when the user generates the reminder, they will receive a notification if they are close to the location for which the reminder is set. This is calculated using the user's geographic area. For example, users will get a notification if they are near the location where the reminder is set. The user receives a notification within 100m of the mark. After delivering the alert notification, the getActivity() method displays the notification. Users will be able to handle their tasks more simply with this application. The characteristics of this mobile application will allow users to participate more often in their everyday life activities. In a nutshell, "Fantappstic" is a technology that promotes convenience while reducing the stress on human memory.

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CHAPTER ONE INTRODUCTION

1.1 Research Background

Most people have the experience of travelling to a location to do something. Many individuals must work, attend meetings and conferences, or attend regular activities in various locations, dates, and times. The term "time reminder application" refers to a mobile application that includes a timestamp and a calendar that alerts the user when the bit is set. A location reminder apps requires GPS systems to manage the current location of the user as part of its core purpose of alerting the user (Nyein & Yi, 2019)

The location-based reminder software provides location reminders that generate an alert whenever individuals arrive or depart from a certain area (Tu et al., 2013). People, for example, frequently forget to punch their punch cards or sign out at the end of the day. The app will allow the user to set a reminder to punch their card or sign out. This software will notify users anytime they are within a certain distance of the workplace, for example. The user may store specific tasks to be completed when they are close to a given place, and the app will notify the user once they are close to the area (Nate et al., 2016). The software is highly suggested for persons who are badly organised and forgetful, which is pretty common in today's society.

According to Rupnar et al. (2016), there are location-based applications accessible on Google Play, such as "GeoBells," although the programme only provides one feature of recalling chores depending on location. As a result, the concept of developing a location-based reminder was the idea, which guarantees that the user is reminded of their work not only at the suitable time, but also in the appropriate location.

The purpose of the application is to allow users to highlight the locations where they need to be reminded. As a result, people are less likely to lose those trips, whether they are driving or taking public transit. Users can set their preferred weekdays to activate location alarms for daily use (Neelu.L et al., 2015). Furthermore, users can plan timed alarms by selecting a day and then a time. As a consequence, Android users can now use the programme. However, iOS users are unable to utilise the programme due to several constraints. In a nutshell, that application is a tool that promotes convenience while reducing the stress on human memory.