

# Destination Alarm in Android Application

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**Abstract:** In today’s daily world all of us do carry a mobile phone with us. Most of the cell phones can be used to access maps of various locations. Much more value can be added to the cell phone services, so it enables people to be more updated about their daily work. Much reminders are set on cell phones based on time, but using the GPS reminders can be set in cell phones based on user’s position. If user gets the reminders, when he is in 200metres from the desired position, an alert is popped out to the user, reminding of his work. User can skip the alert and set a flag, if he comes across that place after sometime again the alert is popped out. If the task is completed by the user, he can reset the flag. Additionally, user can choose the shortest path to desired requirement from a particular point, if user wants to find the nearest medical shop from his location, he finds it.

**Keywords:** Alarm, Android.

## 1. Introduction

The Project “Destination Alarm” which is a GPS (Global Positioning System) Location based Android Application. This application enables the end users to sleep on the bus freely. This application wakes you up near the GPS location you provided. Ever missed your stop on public transport, because you were enjoying your music or books? This Application is especially useful for long journeys during which you might want to take a break. Ever forgot something to do along the way to somewhere? Factors such as traffic, the route you choose etc., can affect the total duration of your journey.

This document elaborates Innovative usage of Destination Alarm is a Location Setting activity via the Android application. The main objective is to point Geo-Location for its users to set some destinations, and this alarm will remind you when you approach them. An important outcome of the preliminary investigation is the confirmation that the system requested is feasible. Android application for Destination Alarm is used to set alarm on a particular destination and set a reminder.

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## 2. Results and Discussions

Let this problem solve by this app, with help of Destination

Alarm App, the user has to set a destination marker in the Maps. The user can go on sleeping, reading and relaxing. When it comes near to the desired destination, the app will alarm and let you know. No need to afraid of missing some destinations, just set an alarm to remind you.

The Destination Alarm, which is an Android Application developed in kotlin (Android) Language. The XML is used for front end and designing. OpenStreetMap Community, expert volunteers around the world keep on updating the map as their environment changes. These updates in OpenStreetMap are version controlled, and the other users can see these updates immediately. OpenStreetMap is free without any hidden charges, but Google Map has certain charges with Google mapping services. In addition to that package, the other support tools for developing and designing the project are: OpenStreetMap is Integrated using API for fetching and saving raw geodata. Android Studio is used for developing the code.

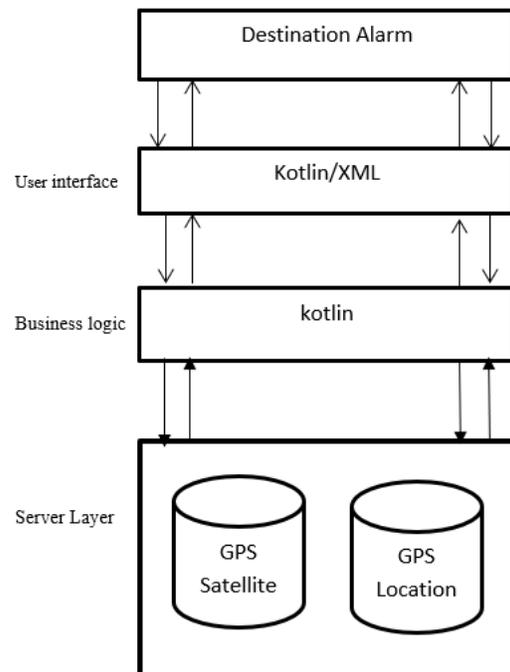


Fig. 1. System architecture

The purposes of developing this Application are: To overcome the following things like, missing your stop on public transport, because you we’re enjoying your music or books. Ever forgot something to do along the way to somewhere?

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Factors such as traffic, the route you choose etc. can affect the total duration of your journey. Navigate and search all the cities and states easily with this proactive Destination Alarm modern navigator with loud alarm bells and alarm alerts. No matter if you are new to the city or any town, just feel free with this Destination Alarm alert application and go anywhere without thinking too much.

### 3. Conclusion

My project “Destination Alarm” which is an Android Application It alerts when you reach or leave a place. It uses GPS or cell network to track location, and it works based on your location and time you specified. Comes with efficient algorithm to save battery and accuracy. This project also uses high precision tracking only when the device reaches close to the targeted location to be accessed by the users. This application provides the Geo-Location for its users to set some destinations, and this alarm will remind you when you approach them. This is a user friendly and understandable app, which can be used easily by all groups of ages.

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