A REVIEW PAPER ON SMART REMINDER APPLICATION WITH GPS SYSTEM

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Abstract

Now in today's life everybody uses Smartphone, everybody ought to remember of software package and golem applications. Google offer support for Google map and placement service. Google could be a free – open supply, providing an easy-to-use development kit containing versatile map show and management functions. The well-liked reminders are supported electronic calendar in mobile phones. These reminders are strictly time specific this may offer notification solely on at that specific time though location-based reminder applications are wide prototyped, there are few results relating to their impact on people: however are they used, do they alter people's behavior and what options influence utility the foremost. Cell phones offer a compelling platform for the delivery of location-based reminders at intervals a user's everyday natural context. Location based mostly service, offer several facilities to good mobile users. To prompt fashionable individuals of one thing at a selected time and placement, good Location Reminder could be a presently. Timely reminder reduces possibilities of missing the situation of interest & task to be reminded is performed on desired time and at desired location.

Keyword**:** *Index Term-Global Positioning System (GPS), Application Programming Interface (API), Google maps, Android*

1. INTRODUCTION

Android was engineered to be AN ASCII text file. robot offers AN approach to the event of application for mobile devices. The most purpose of this location-based service is to produce services to customers supported the information of their locations. Sample of these services embrace period traffic info, Google map services that area unit delivered to mobile terminals in step with user's location.By victimization the construct of location based mostly services offer the mobile application users to customized service their current location. It conjointly opens a replacement space for developers, mobile service network operators, and repair suppliers to develop and provide added services to their shopper like advising shoppers of current traffic conditions, providing routing inform to serving to the users to search out near looking malls and plenty of things.Google Maps as a part of the program, with full

access to the maps that the developer will management programmatically and annotate victimization Android's made graphics library.The "Location based mostly Reminder System" can consume low knowledge, as a result of we tend to use the portable to store the user's knowledge rather than victimization the online server for saving the user's knowledge. To develop the applying, location based mostly reminder services, robot is employed. The applying to search out the saved location, first of all the GSP system can get the user's current location so it'll compared with the user's saved knowledge. If the condition happy the system can inform the user's that you just saved a reminder for this location. Here the reminder is predicated on the gap of the user's location, means that the user will offer the gap of target location to inform whereas travel.To combine maps with locations, robot includes AN API for forward and reverse geo-coding that lets the user notice map co-ordinates for an address, and also the address of a map position.Google map and notifies the actions to be performed at that location. The system incessantly keeps on change the situation and takes actions as per info at that location.

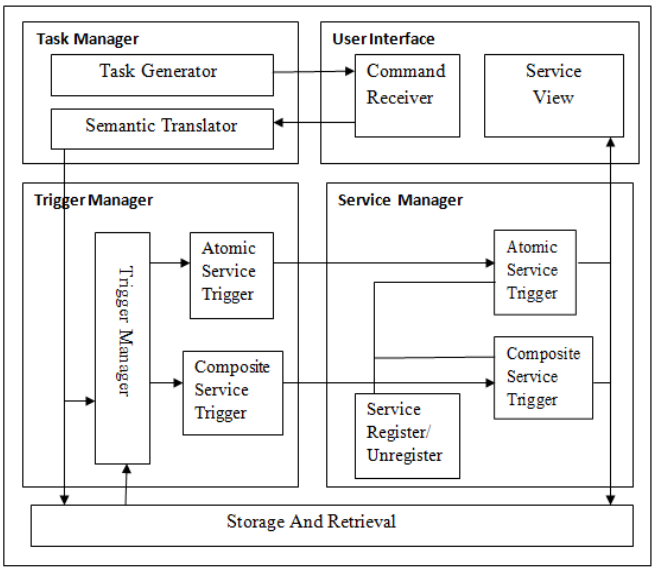

Figure1.System Architecture

2. SYSTEM ARCHITECTURE

System design ought to be divided into 5 components that are task management part, computer program part, trigger management part, service management part, and storage and retrieval management part.

1) Computer program part receives obtainable task list from task generator within the task manager part once the system is being initialize.

2) As user problems a task, the command receiver can dispatch it to the linguistics translator to induce the task relevant data.

3) The linguistics translator is that the method of exploitation linguistics data to help within the translation knowledge information} during an illustration data.

4) The trigger manager collects every kind of context data to determine whether or not it starts the service relate to the task.

5) Once service starts it'll get all connected content data to supply customized services.

6) Once changes occur within the information, it evaluates module that notice and judge whether or not there's a desire to perform reasoning.

3. OBJECTIVE

The aim to develop this method is to supply associate degree interactive user friendly reminder system, supported their location additionally the system is accountable for user's security and privacy concerning their location. this location of the user's are going to be not share to the other and therefore the saved location for reminders area unit used the user's mobile information as a result of all details concerning the reminder location is saved into mobile info therefore nobody will get the user's activity that the privacy is high, then user's activity.

4. LITERATURE SURVEY

In last year usages of smart phones have rapidly increased. Previously mobile identifiers and towers were used to find the location of the phone. Now a day's concept of cell ids is replaced by GPS. GPS calculates the latitude and longitude, and determines the exact location of the phone.

4.1 Problem in the system

a) Previous application provides profile changing facility but user needs to choose the profile after reaching the selected location.
b) Medicine reminder application in which gives reminder only in the form of text.

4.2 Problem System

Android application is to help in our busy life to remember things like schedule of meeting and medicine to do tasks after reaching at location.

5. PROPOSED WORK

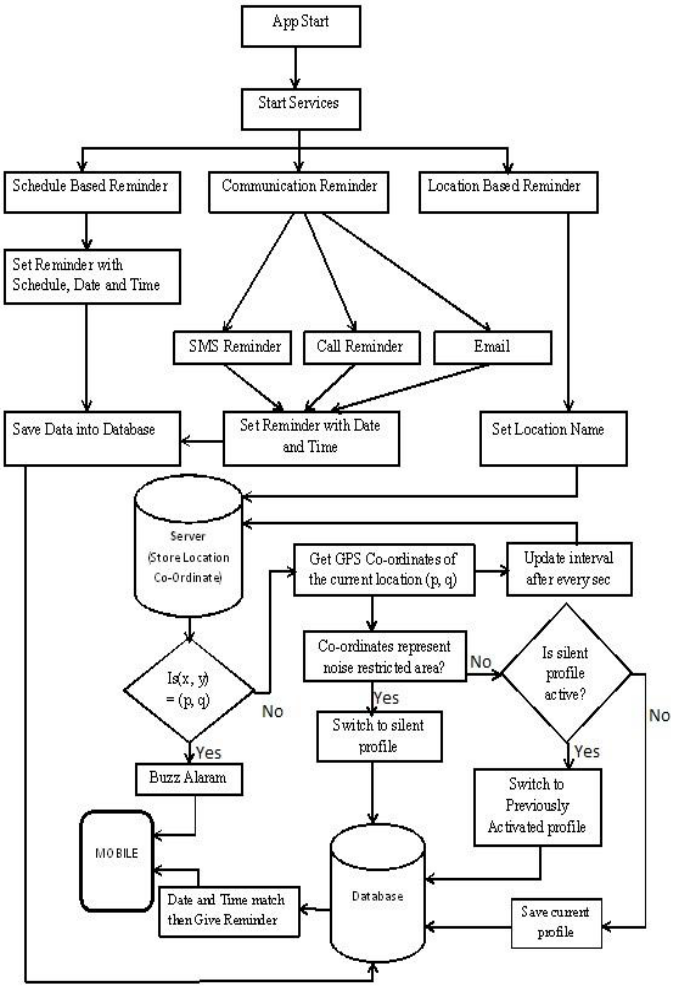

Figure 2.Block Diagram

This application has three reminders. First reminder is location based reminder which provides services to the location. The application provide Google map for selecting location. Second reminder is communication reminder this reminder provides three facilities such as SMS, Calling, and Email reminder. Using SMS reminder user can send SMS to one or more than one person at a time. Email can be sent from any location with internet connectivity. Third reminder is that the user enter the schedule with date and time. Scheduled reminder gives the alert in voice format after converting text message into voice message.

6. IMPLEMENTATION

6.1 Schedule Reminder

Scheduled reminders allow you to automatically send messages to contacts when certain criteria are met.

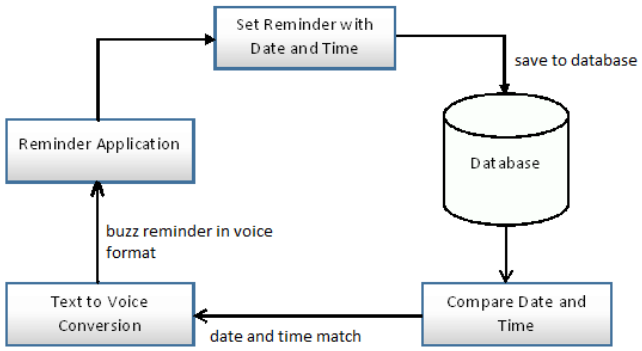

Figure3. Schedule Reminder Work Flow

6.2 Medicine Reminder

The medicine reminder is one which will facilitate manage various people's medications due to multiple profiles. It conjointly tracks your prescriptions and reminds you once it is time for a refill.

6.3 Location Reminder

The location based mostly reminder make certain that Location Services is turned on your device supports this feature. To be reminded at a location faucet to the proper of your reminder, activate strike a cord in me at a location, then faucet Location. Search or enter the address wherever you wish to be reminded.

6.4 Profile Reminder

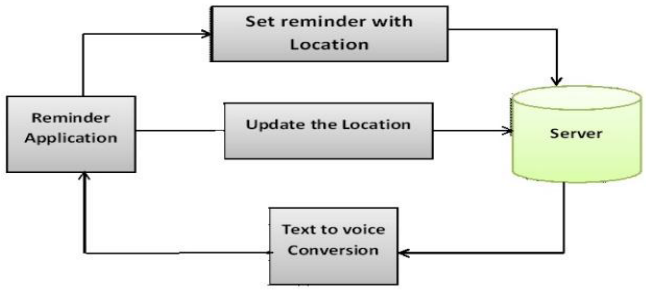

Figure 4.Profile Reminder Work Flow

Profile dynamical ability means that with this feature of golem application, the profile of user‘s mobile device can amendment.

7. CONCLUSION AND FUTURE SCOPE

Location primarily based reminder system provides AN interactive service to its user. the appliance provides the safety to user in terms of saved location information for reminder. The user in milliseconds once condition between the saved location and also the current location are matched. Location info gets used additional and additional typically in people’s standard of living. This paper focuses on communication connected location-based services, GPS and system design. As Location reminder consume additional power, effort has been created to cut back power consumption by setting an interval of twenty seconds and a distance interval of fifty meters has been set between 2 consecutive location updates.At the longer term the reminders will be set for teams. If one among the members of the cluster reaches the destination, then the opposite members can get the notification.At the future the reminders can be set for groups. If one of the members of the group reaches the destination, then the other members will get the notification.

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