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An Empirical Study on Place Reminder

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***Abstract* - The mobile communication system important role in our daily life. There is improved in data rate and availability of data in mobile communication. Mobile device provides the reminder function depends on date and time. But latest smart new phone provides us various application and functions. One of the most important application are available in smart phones is reminder base application. Location based service provide many facilities to smart mobile phone users. Location based reminds system consumes the low data.**

Keywords: GPS, LBS, To-Do, Reminder, Location.

I. Introduction

In daily life style people have to perform many of task like any work, shopping, filling petrol after work etc. We are generally use paper notes and use reminder system in mobile phone Location based reminder on mobile Phones allow user to set reminders based on location in the mobile phones. Once the reminder is set to collage, the rest will appear on our cell phones each time we go to college. This application therefore acts as a personal secretary with whom we can do our work in the right place at the right time.

Some people tend to forget things when they go to the office or school. A person went to office and thought of doing some work in home when he returns to home. Person may like to purchase a birthday gift the next time when the at gift shop. A person went to the grocery store from home and forgot to bring a list of items which he had written on a piece of paper. When people go on holiday some time they forgot to visit places.

II. Global Positioning system

The Global Positioning System (GPS) is a space-based satellite navigation system that provides location and time information in all weather conditions, anywhere on Earth or near Earth. GPS is a complex system that combines the three segments of space, control and user. This distinction underlines the main objective of the combined segments: to create a functional system that draws people's attention to the possibility and potential of navigation services worldwide.

III. Location Based Service

The term Location Based Services (LBS) refers to the mobile services in which the user's location information is used to upgrade the service as a whole. Location-based services (LBS) are mobile applications that depend on the location of the mobile device, e.g. B. mobile phones. LBS services can be classified into imposed LBS services (push services) and LBS services requested by the user (pull services). Certain infrastructure elements are required to activate LBS services.

Including:

- Mobile devices
- Applications
- Communication network
- Positioning of components

IV. Architecture of GPS

GPS uses the constellation of satellites, where each satellite transmits the signal in the area that includes news navigation. The latter also contains the information necessary to determine the coordinates of the satellites and to align the satellite clocks with the GPS time. At the same time, measurements from at least four satellites are necessary to determine the positioning of the three-dimensional and temporal capacity. The satellite constellation offers a number of options for each user who is anywhere on earth at any time. The operational control segment (OCS) tracks the GPS satellite using its commands and determines its position in space. GPS users belong to military or civilian environments. With GPS, you can determine your position anywhere in the world for free.

V. Architecture of LBS

Service providers are involved in maintaining the server, which sends various types of LBS services to users, and are responsible for processing service requests and returning the result of the request. The server calculates positions, searches for routes or specific information based on the user's location. Service providers generally keep all the information requested by the user. Instead, content providers are responsible for collecting and storing geographic data, location information,

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etc. These data are requested and processed by the server and then returned to users.

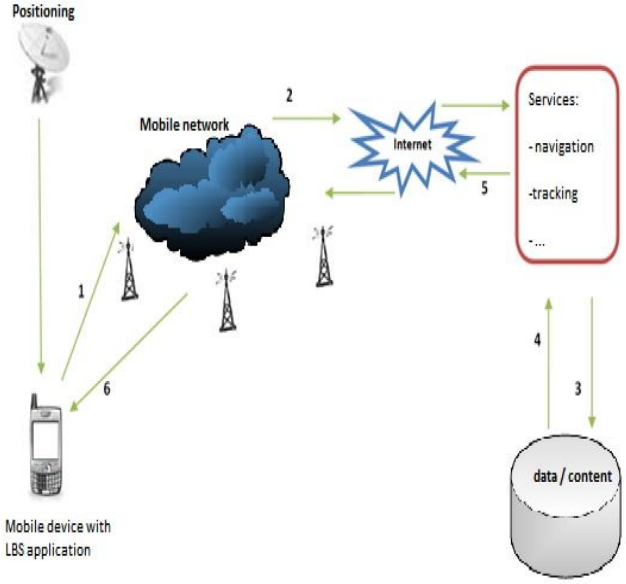

Figure 1: Architecture of LBS

VI. To-Do list

The home screen for Reminder allows a user to view current lists based on distance from the location. When a user selects the "Search" box, the word search is replaced by a blinking cursor, notifying the user that they are able to type into the search box. The + sign indicates the creating of a new to do item. If a user clicks on one of the to do items, it will take them to the to-do edited page. Clicking on the checkbox indicates the to-do has been completed.

VII. Creating New TO-DO List

To create a new task list, a user must enter the name, add location groups, select a priority, and optionally enter a timer for this notification. After registration, the user is redirected to the reminder start page.

7.1 Choosing Location

Users can select the groups associated with the task item. On this page, you can quickly search for a group and check the box when the group is found. Once the box is cleared, the user clicks on Select selected tasks to add these groups to the task list.

7.2 Editing Location Group

Once a user has clicked on the modified electronic activity group, he can select the locations assigned to this group by clicking on Select locations. This brings the user to the Google Map interface.

7.3 Checking TO-DO as Completed

Once a task is completed, the user can press the check box, which removes the task from the task list.

7.4 Notification

This is the standard home page for Android. Users can see Reminder warnings in the top bar of Android.

VIII. Advantages

- The application can also be utilized for tourist guiding system.
- The user may set, reset, disable, edit and set duration of the alarms as he wishes.
- The android alarm can be associated with a reminder message.

IX. Future Scope

- Making it available on the other Smartphone market also.
- Customization.
- Encouraging unique and more opportunistic use.

X. Conclusion

When people go on vacation at some point, they forget to visit places. It is desirable to have a reminder system or application to automatically remind people of what they may have forgotten when they enter this particular place. This request is motivated by this situation.

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