Abstract

Objective of this paper is to build an application using which tasks can be managed based on geographic location in an optimized manner. The project uses geo location mapping using GPS enabled smart phones, integrated map API and path optimization. In today’s world smart mobile phone devices has become an integral part of people life. Among its various uses, building application to support location based services is a trend now a days. Using this LBS concept, this paper deals with the process of task management. Scheduling an appointment or a task and configure it to remind on a scheduled time has become an obvious regular activity. Even though date and time is the core parameters of task management, there is a gap in it. Certain tasks cannot be scheduled based on pre-determined time but can be associated with a location. So, the reminder systems were evolved by considering locations instead of date and time. But, all of them have eminent problems. So the aim of this paper is to enhance task management using location based service using latest technologies and to solve the problem of existing system and also to enable users to manage their daily tasks with better planning. Added to that, this paper is about to cover maximum number of tasks with minimum distances with a representation of map which will be shown to the user along with the alarm when they cross their location of interest.
Geo Location based Task Management with Path Optimization

References

- Mobile Location-Based Learning Reminders using GSM cell Identification 2009, IADIS International Journal on WWW/Internet.

Index Terms

Computer Science

Information Sciences

Keywords

m-learning  map mashups  Location Reminder  Context Aware Services  GPS