On The Spot: An Android Application for Personal Safety, Location Based Alarms and Location Based Reminders

Abstract

The advancement in technology has brought with it a wide range of resources one can use to make life easier. One such resource is the Global Positioning System (GPS). Knowing the location can come in handy while providing a lot of services. The main problem while travelling is missing one’s destination because of falling asleep or not knowing when to get down. The recent onslaught of violence against women and children on the road is a cause for great concern. With the increasing amount of issues, one has to face day to day, normal things like buying groceries or medicines take a backseat. Though there are applications that use location for providing services, these are still few. Smart phones are a constant in the life of most of the masses. It is easy to obtain one’s location and use it to keep one safe or to provide some utility. On The Spot (OTS) is an application that does exactly the thing. It has three modules that will make the user’s life more efficient and smooth. The first module, ‘Locale Alarms’, will allow the user to set alarms on the basis of location instead of a set time. On the other hand, ‘Safety Sure’, the second module is designed specifically keeping in mind the adage ‘Better Safe than
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Sorry’. It will give periodic updates of the user’s location to their loved ones without having to press an SOS button. The final module viz. ‘Locale Prompts’, is a ‘to do’ list that will allow the users to add their task and a location associated with the task; on reaching that location the user will be alerted or reminded about their task.

References

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Index Terms

Computer Science Information Systems

Keywords

OTS, Photo Matrix, Safety Sure, Locale Alarms, Locale Prompts