IJFEAT

INTERNATIONAL JOURNAL FOR ENGINEERING APPLICATIONS AND TECHNOLOGY

TOURIST APP FOR SMART CITY TRAVELLER

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Abstract

Currently, we realize that in general tourists spend a lot of time planning their trips because they need to make the most of every moment. In this context, this application aims to identify the main computing needs to support the improvement of tourist point of promotion for the traveller, by the means of a mobile application proposal. However, most of recent tourist and travellers think that they want to know the local charm peculiar to the land as well as a famous sightseeing spot. In order to achieve this, we propose system that can automatically show a sightseeing route and plan in set time.
This paper is showing the study of the different android application for tourism. As it is not possible for the tourist to always prefer the guide book, guide or any other sources for the information of any location. To provide facilities to the users for the purpose of tourism different kind of android app has been made.

Index Terms: *Travel, Planning, Ionic Framework, Google Maps API, Firebase.*

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1. Introduction

The purpose of developing this android application is to create a schedule for the traveler travelling to city and wanted to explore the city by specifying the time in hours.

At present, in general tourists and travellers waste a lot of time planning and deciding their trips to achieve maximum satisfaction.

In this context, this application aims to identify the main computing needs to support the improvement of tourist point of promotion for the traveller, by the means of an easy to use mobile application proposal.

This application also leads to quicker decision making with respect to places to visit.[1]

2.Analysis of Problem

1. Maps don't navigate properly.
   For example: if suppose we visit to A.P and we are not aware about language and map Don't not navigate properly than we will able to reach the destination.
2. High speed internet requirement.
   For example: If we traveling from one place to another we must require high speed internet on our

mobile because at low speed internet Google map would work properly.

3. Traffic consideration.

   For example: Google maps must show the route according to traffic. It will easy to reach our destination fast.

4. Maps would show the weather .

   For example: the Google map must show the further destination weather.

5. Too slow to Load.

   For example: The Google map shows the larger image due to this it takes time to load.

6. Infinite Accuracy.

   For example: Supposed to reach to the destination and the road is blocked you won't be able to come about this in Google map

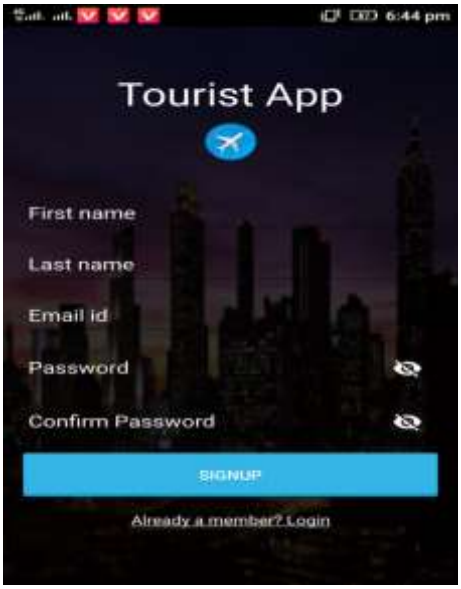
3Proposed Work and Objectives

The challenge address by mobile was ability to get exact location from the specified favourites, current location, map, distance between two cities, weather report, find the video. Pointed out from the research that many applications have been developed, but some of the tourist information is mainly obtained through newspaper, magazines these applications do not provide exact information while user on move.

The proposed volumes in this project are:

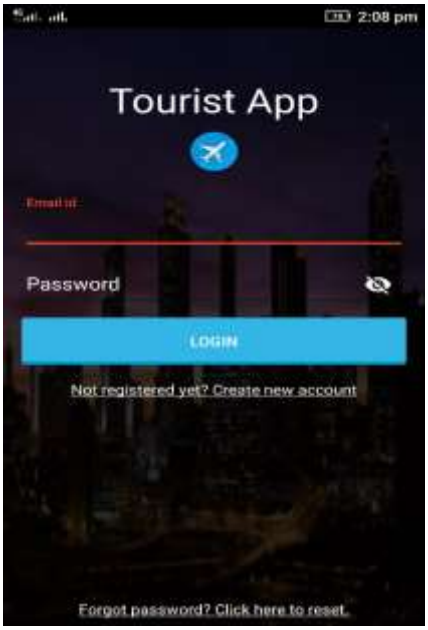
1. Registration Module

This will be the first module when the user opens the app for the first time. Here the user will have to fill the details about himself. The data will be saved in the database and will be used to have an id of the user. This module will skipped if the user is already signed in to the application.[4]



2. Login Module

Login Module describes the interface implemented by authentication technology providers. Login Modules are plugged in under applications to provide a particular type of authentication.[4]



3. Review Module

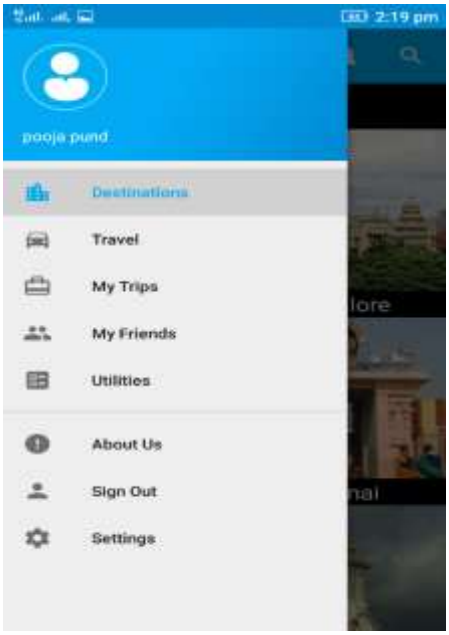
Here the review of the place will be taken from the user. This will be saved in the database and will be used to rate the arrangements.[4]

4. Location Module

Here in this module the location of the user will be saved in the database.[4]

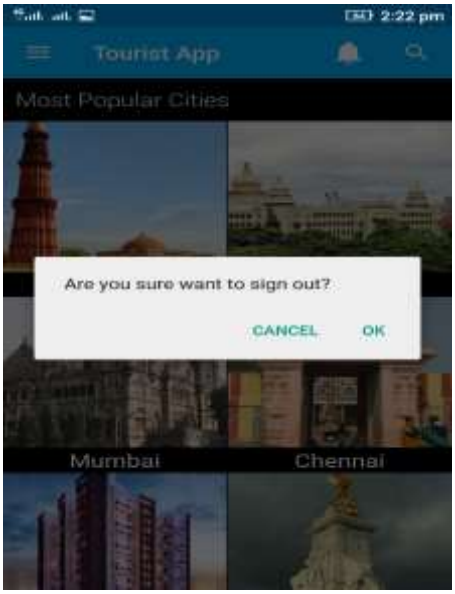
5.Navigation Driver Module

Navigation is the sliding menu that appears on the android screen with a hamburger menu icon in the action bar.[4]



6.Notification Module

Notification system. In informationtechnology,a notification system is a combination of software and hardware that provide a means of delivering a message to a set of recipient.[4]



4.Advantages

- This project has a login page which allows only the registered user to login and thereby preventing unauthorized access.
- This system can be used to view the location view in map that the user wishes to reach.
- The user can also find the paths to follow to reach the final destination in map which gives a better view to the users.
- Since the location can be viewed in map, the user can even zoom in and zoom out to get a better view.
- The usage of this application greatly reduces the time required to search for a place.
- The application also leads to quicker decision making with respect to places to visit.[3]

5. Disadvantages

- The android mobile user will not be able to insert or view details if the server goes down. Thus there is disadvantage of single point failure.
- Android operating system uses more amount of battery as compared to normal mobile phones.
- Require an active internet connection.[3]

6. Conclusion

This paper also focuses on various specific features set of the application that make it eligible for helping the people which ultimately help in making a good application for a smart city. This paper basically focuses on the finding out the different attributes for tourism based application so

that we can have the idea about what sort of attributes should these kind of application generally have. This application will help the tourist as well as the city in making it as a smart city.

7.Future Scope

- The system is a combination of smart phone and Internet services and will help tour and life for user. Positioning support (GPS), highlights the user's current position on the map**.**
- Exchange of tourist's reviews/suggestions with other tourists, especially with those that share similar tourist's interest inclusion of emergency contacts in the city map (ATM, Restaurant, Police Station etc.). And search facilities to locate depending on the current location of user.
- Quickly search the location of user without wasting of time.[2]

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