Android Smart City Traveler

ABSTRACT

Android Smart City Traveler by the Name indicated smartly makes it way in analyzing user's likes and dislikes and the time period the user is willing to explore a place and gives him with Amazing results in the form of 3 paths to utilize the time. This System is basically used to help a traveler new to the city or anyone who wants to explore a city in the given time period, the system makes use of the Foursquare Api to get all the locations and places with all their information to sort and place it before the user in 3 paths to make his choice

EXISTING SYSTEM

The mobile client's current location is one of the most important information for location related system. Mobile phones need to report their own locations to the remote server periodically, so that the information they want can be suitably queried. From the point of view of the service, the simplest method of locating is to let user tell his or her location, but this method requires extra effort because the user needs to define his or her location and input it to the system. The user can be located with different positioning systems. The advantage of this method is that the users do not need any extra equipment. Mainly through newspaper, magazines, radio and other simple ways those are available easily. But problem is that tourists are not able to get travel information timely when they are on the move. While today's mobile devices are becoming more intelligent, compared with PC, they still have the following limitations like small screen and tiny keyboard, limited CPU capacity, limited memory space, slow and fitful Internet connection. Many mobiles of recent decades have travel guide application. But the application on these mobiles works slow due to continues acquisition of the bandwidth. Therefore, the mobile end-user's operation is very difficult, and the contents display on the screen of mobile device is limited.

DRAWBACKS

➢ It requires active internet connection else error may occur.

➢ Since for the data the system is dependent so if anything goes wrong with the foursquare, the system is liable to give wrong data.

➢ 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.

PROPOSED SYSTEM

The Places are sorted and selected based on the top rakings by the foursquare. During the user Registration the user is asked some questions helping them to filter out in searching the places, the places are displayed on the maps giving a clear idea of the location and giving the paths from one place to another from the start location to the end location. The Time shouldn't exceed 22 hours and the travel plan u chooses is saved only for a single day and exceeding will be dissolved. If the time specified by the user exceeds 8 hours i.e. between 9am to 7 pm the system also asks u whether u wants to visit a adventure or water park and will show u options based on the rankings and reviews about it. Since the Traveler may be new to the city not knowing any place, in the map view if the user clicks on the marker he can see the ratings and reviews which are recorded from the Foursquare itself. The System requires An Working Internet Connection all the time for the app to work. The frontend of the System makes use of Android Studio while SQL Server as the Backend.

ADVANTAGES

➢ The Data is very accurate and authentic as we take all the data from Foursquare.

➢ The Student has to Login to use keeping the data secure.

- 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 system gives 3 travel plans for the user to select.
- 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.

Modules:

- Registration
- Login
- Travel Plan
- Planning your Day
- Feedback

System Requirements:

Software Components:

- Operating System   :   Windows XP, Windows 7(ultimate, enterprise)
- IDE   :   Android Studio

Hardware Components:

- Processer   :   Pentium – III
- RAM   :   1GB
- Hard Disk   :   5GB

- Android Phone with kitkat and higher.
- Internet Connection