Location Based Places of Interest

Syed Aamer Hashmi
Khan Mohd Yusuf, Khan Mohammed, Ashfaque Ahmed
Department of Computer Engineering Anjuman-i-islam Kalsekar Technical Campus University of Mumbai
New Panvel,Navi Mumbai, Maharashtra

Abstract:- This application is made for the smartphone to get the information about the location and process that data is going to get some useful information near the location. From this application and using GPRS, this app can be executed on android based phones to provide multiple advantages. For example, providing path information, suggesting them to find out nearest places such as hotels, Malls, Park, Hospitals. We are proposing a place of interest(POI) based services through google and google map API on the android smartphone to give manyservicestotheuserofthisapplication.

Keywords:- Altitude, API, Automation, Database, Geo-location, Location Tracking, Notification, Places Of Interest(POI), Tracking System.

I. INTRODUCTION

The location-based places of interest provides a lot of facility to their user. The scope of this application is to record the details of the various activities of a user. When the user travels from one location to other location this application will record all the interesting things like malls, hospitals, restaurant, parks. Once the user navigates through that path first-time, it will show all interesting things and when the same user travels through the same location, this application will send the reminder through the user email, the history of a user will be recorded as a bookmark to help the user for a better experience.

II. LITERATURE SURVEY

A. Paper1

The development and increasing social media in today's era, the technology is increasing and varying. Paper [1] location-based social media is increasing fast. Using social media any user can get more information about their location instantly. If we compared to its traditional recommendation, social media is connecting the people from one place to another place via a networking site.

➢ *Weaknesses.*
- Data deficiency happens, when the valid data in the recommendation system is absence for identifying likes users and place of interest and it is the biggest issues limiting the grade of recommendation.
- The disparity is accrediting to the reality that high solidity area is basically workplaces or over popu- lated areas between them, which maximum human task takes places. As an output, the user distribution will depend on over populated areas.

➢ *How to Overcome.*
- Taking the characteristics human we can propose to the user that this application is very useful and timely recommended to the user for personalizing.
- This application will provide to the user to get more information about their areas.
- By making a structural attribute using a location solidity evaluation intensity to make a unique dis- tribution for multipleusers.

B. Paper2

Paper [2] Twitter is a hugely useful source of social media to gain knowledge. It helps the user to carry out the virtuous judgement of the services. The group of feelings on the twitter handle and it gives the public excitement. In this analysis of twitter, greater than 15,500 address base and collect through social media like twitter emotions. By exchanging in condensed form, a reduced form of words are used for the excitement, then conduct the judgement to classify in the positive, negative class. Stakeholders help to get the narration with a judgement of kindness, transaction etc.from a currentarea.

➢ *Weaknesses.*
- This application does not show an analysis of spe-cificdiseases.
- No prevention of diseasesshown.
- Updating of data base is done weekly.

➢ *How to Overcome.*
- Model shows the graphical mapping view ofdisease.
- It also provides prevention, list of medicines and help line numbers.
- Update of data base is done daily.

C. Paper3

Paper [3]Mostly it's not clear that is going to represent a specified area for work and for which we have to set the notification alert. Despite, it is good if the notification set off when we are definitely involved present location or near that area. For notifying, the people at a specific time and location,smart notification is frequently useful.

➢ *Weaknesses.*
- SQLite database is used which should not store data permanently init.
- An issue in showing correct path when the user is near by location.
- Cannot store user favourite location.

- *How to Overcome.*
- Shows alert notification when user is nearby the location to not be the wrong path.
- Time can be modify to according to their changes of plans.

III. PROPOSED METHODOLOGY

The proposed method is to help to find places based on user interest. It will predict base on user pre-selected place of interest like restaurant, park, hotel, gym etc. It also stores the history of user interest list. It will show thecurrent location range of the user. It also has a search feature that finds pales on themap.

The system has multiple modules as shown in fig.[1]

A. Capturing POIModule

After entering the details of POI, the **Google Play Services** start capturing the details of user by fetching the current location, the API services start setting the user details of destination by live tracking where he moved and bookmarks will save and giving suggestion of places of interest according to the details the user isgiven.

B. Place Recommender Module

By fetching the current location, the system will recom- mend the user that the user is moving from the beginning of place and destination where the user is moving from the currentpath.
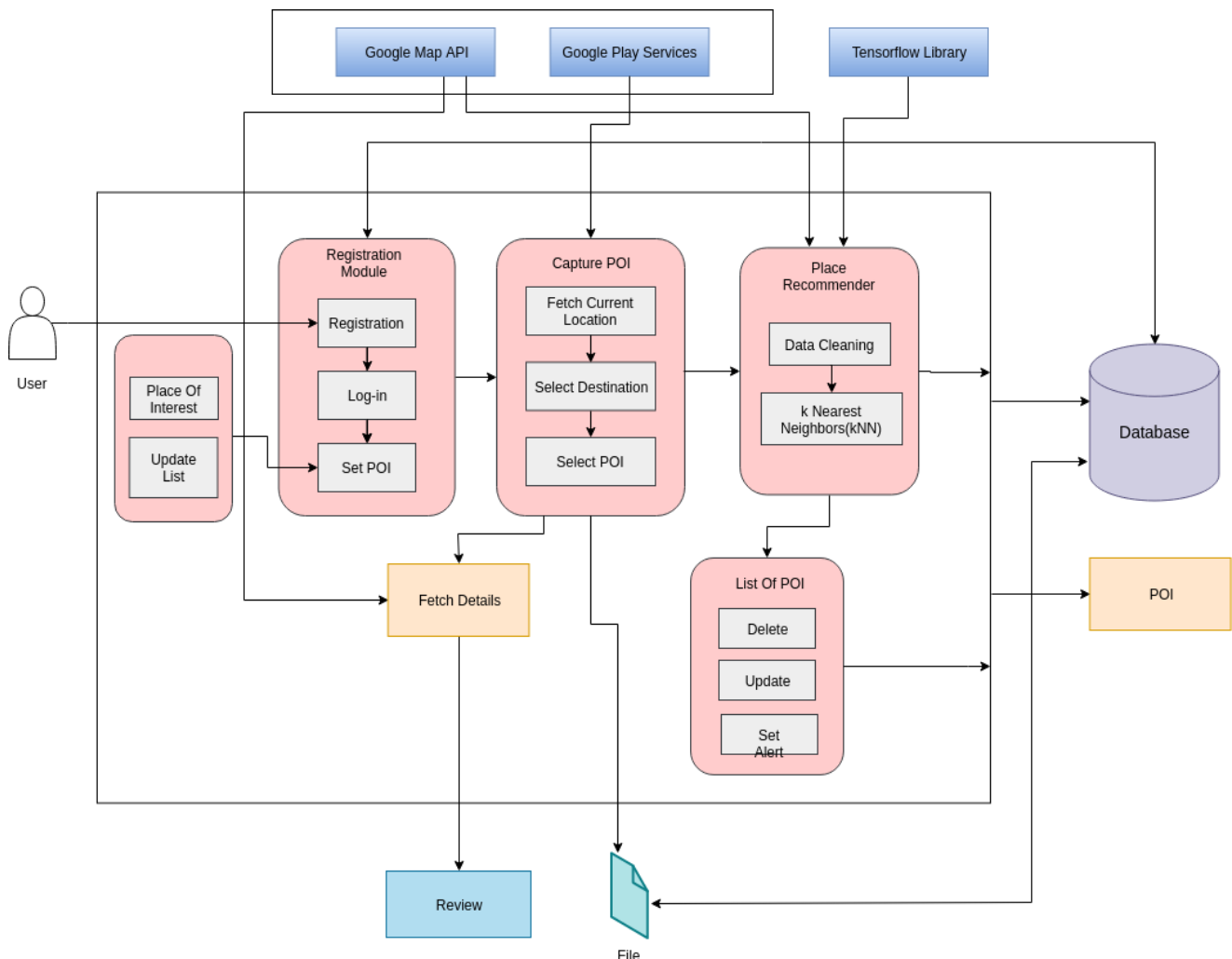

Fig 1:- System Architecture

C. Updation of POIModule

After user updating the details of POI, the user can also **Update, Delete, or Modify** it according to the user choice and the user first pass the range, it gets saved in bookmarks and when user passes the second time, it notifies that user has passed and it also suggests the POI of new areasaccordingtothedetailsofuser.

IV. CONCLUSION

The location-based places of interest is to record the details of various activities of the user. It will simplify the task of user and paper work.

The causes of POI app are huge, it will increase the user and their requirement that have such platforms that track&automatetheirdailyroutineactivity.

The location-based system can be executed on smartphones to deliver this useful assistance, giving route statics as well as helping them to get nearest things likes hotels, malls, park,hospitals.

REFERENCES

[1]. Lacation based place of android mobile Using Google API, "Pradnya Battin Dr. S.D.Markande" *International Conference on Automatic Control and Dynamic Optimization Techniques* (ICACDOT2016)]

[2]. Location Recommendation for user's location-Based Social Networks, "Qianfang Xu, Jiachun Wang and Bo Xiao"/CIC *International ConferenceonCommunicationsinChina]*[ICCC2017IEEE]

[3]. Enhanced Sentiment Classification Using Geo Location Tweets,"Miss. Shital Anil Phand Mrs. V. A. Chakkarwar" *[Proceedings of the 2nd International Conference on Inventive Communication and Computa- tional Technologies* (ICICCT2018)]

[4]. The Tripify Apps for POI) *tripify.com*; Tyler C. Dalton https://www.tripify.com/contributor/christina-tarantola/2017/12/the-tripify-apps-for-POI, October,2019.

[5]. The Sygenic Traveler App *sygictrip.com*; htpps://www.sygenic.com/search?q=SygicTravel Trip lanner safe=activesxsrf,October,2019

[6]. FireBase Extension *android police.com*; https://www.androidpolice.com/2019/09/27/google-firebase-extensions-app-distribution-ios-android-web-app-analytics/,October, 2019