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LOOKOUT ANDROID APPLICATION

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Abstract

In today's world, mobile computing has advanced to such an huge extent where the user has access to all the information on a single device. Location based services offer many advantages to the mobile users to retrieve the information about their current location and process that data to get more useful information near to their location. Location based searching other person is a mobile networking application that could be used to locate friend on in navigation map, share information with each other, create and manage events, create groups with the other interest like sending location photos . Also it gives notification to the client displaying the nearby events on his interest basis. But the use of this android application is tosearch of the lost people , will display offers in nearby shop on your application upto certain radius. Choose one option from the given list and select the friends to go with.

Key Words: Location based service,search, maps, Android, notification.

Introduction

1. Introduction:

Mobile operating system now allowing developers to create an applications ("apps") that run on mobile device. Traditionally, apps being developed using language and framework that targets specific mobile operating system, allowing or making it difficult to port apps on that platforms. Rather building of an app's functionality by using development framework specific to mobile operating system, developers leverage their knowledge and research of web programming to have a mobile web app. A mobile app is an app that uses an browser to access and display content. Often, mobile app will be designed to interact with the content written specifically regarding, for the app as replacement considering for app-specific UI code[2]. By building an app in such manner, developers will more easily delivers new updates to users. In addition with it , several frameworks now have been exist to simplify the development by

automatically producing app code which when needed to interact with a web application [2, 8]. With the development

in Mobile computing the mobile phones holds most important role in our daily life. A location-based service is a software for a mobile device that requires knowledge to show where the mobile device is located. This is a software application which provide user with useful information such as “Nearest HOSPITAL, MALL, RESTRA, AMUSEMENT PARKS or other marketing information to users who are in a specific geographical range/area. This paper implements to use navigation android application to find people and shopping. We are developing a mobile android application socially connected on which user can search for people track the route and see offers in nearby shops. Also user can create and manage events, chat with his friends, create groups on his interest basis.

Here we have use Navigation concept as process of accurately establishing user's position and making him to seeing location direction by displaying things as to guide him through feasible conditions to their desired needed destination. The Global Positioning System (GPS) is one of the most common usable and regularlyutilized satellite navigation system. Almost every aircraft and ship nowadays have attached some form of GPS technology so as now mobile phones too. From the last few days or years, smart phones have evolved with GPS unit in it and this has give birth to location-based mobile applications like geo fencing and automotive navigation for people. However, GPS also has its some limitations. In fact particular we are now concerned with lack of GPS signal reception. Sometime GPS satellites even fail to deliver signal to device if there is some sort of obstruction on its path. Therefore we have here suggested an alternate methods to store the area location spot names in back data apps so that even without signal one can easily locate because it already been store if that mobile pass before and stores information for future references.

2. Methods: Recommendation System for Spots in Location Based Online Social Networks. Location based like, e.g., Google maps, Foursquare, and Wase Maps , are a new and arising trend on the Web, being highly popular by both users and advertisers. Their core concept is the possibility for users to publish that they are at a certain location. The providers are collecting immense amounts of personal data for this service, including Geo locational and preference information, which they require the most. Bridging the gap between Physical location and the surrounding location designers may help to find this methodology useful for designing applications, such as location aware information sharing platforms, privacy control mechanisms, and friend around systems. This also raises important privacy questions about how much information location based services leak about their users.

2.1 Recommendation System for Spots in Location Based Online Social Networks.

Here social sites help to locate the present status of person on his approval ,some location based sites like Go Walla, Foursquare, and facebook Places these are the trending web and mobile app highly popular for advertisements and users. Their main conceptual idea regarding it show the possibility of the user to publish his/her current location and its spot or checked in location with registrations[5]. And based on the personal interest of user company show business valued products as data of user of its interest is being stored in data base.

2.2 Android application using GPS location.

In this they have show that the technology has being changing fast and its an era of IV generation. Smartphone are common nowadays . since everywhere android & maps we heard from different people as youngistan is huge user of this thing usually. So giving only one benefit they have decided to give multiple option in single app like Place Marketing Weather news for next 4 days[4,5] . these application are totally dependable on the Google maps to track the place and points where people like to interact most and for future references . also they help to detect the weather for 4 days in Fahrenheit and in centigrade.

2.3 Android Mobile Map Application with Standard Navigation Tools for Pedestrians

Since most of the navigation app are for the vehicles, but here they have demand navigation application for the pedestrian here they have HaptiMap project where they aim to demonstrate the basic of facilitating the Lund city challenge on a particular platform. This app is design for the tourists to navigate themselves. Here they have used Swedish National Road Database (NVDB) and OpenStreetMap (OSM) road network data. Data base were set to PostgreSQL with extended PostGIS where pgRouting algorithm is used for calculation. Only the problem they face in locating things in park and open areas.

2.4 A Large-Scale Study of Mobile Web App Security.

Mobile apps that use an embedded web browser, or mobile web apps, make up 85% of the free apps on the Google Play store. The security concerns for developing mobile web apps go beyond just those for developing traditional web appsor mobile apps. In this paper we develop scalable analyses for finding several classes of vulnerabilities in mobile web apps and analyze a large dataset of 998,286 mobile web apps[8], representing a complete snapshot of all of the free mobile web apps on the Google Play store as of June 2014. We find that 28% of the studied apps have at least one vulnerability.

We explore the severity of these vulnerabilities and identify trends in the vulnerable apps. We find that severe vulnerabilities are present across the entire Android app ecosystem, even in popular apps and libraries. Finally, we offer several changes

to the Android APIs to mitigate these vulnerabilities

3. Results and Discussions:

3.1 Location based service

To clientsit provide current location based services as per the location based service at their present location. Due to this an area for the value added, developers ,service operator, ,service provider, and cellular service has been open to operate. Lots of merit has been provided and offered due to location based service to mobile clients .ON direct manipulation interface this is adapted. In these cases it consists of touching, pinching,swiping, tappingto on screen to manipulate to world actions as objects on screen.

3.2 LBS components

It hasautomatic stitching technique for service provider and information based particularly on the user location. Bluetooth, wifi , RFID are the basic wireless interfaces available and also consists of the GPS which is the most important component for the telecom and the researchers to work and operate in fields of such user.

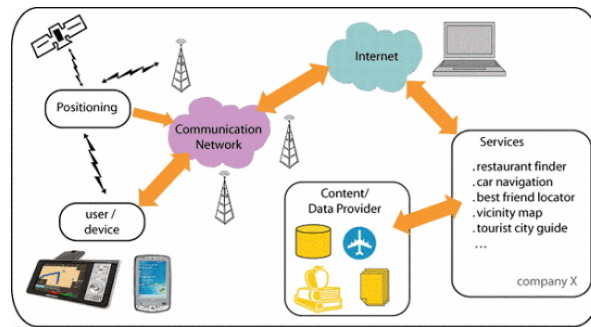


Fig 1 : location based service.

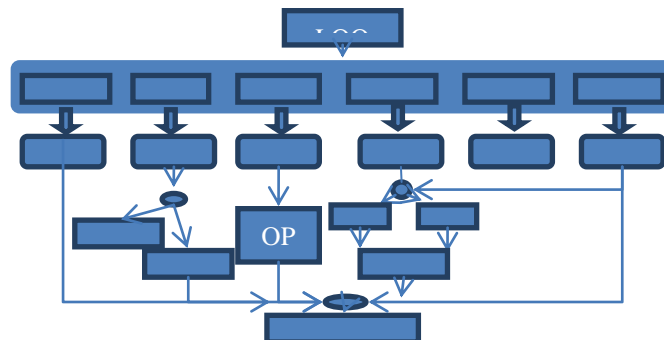


Fig 3: System architecture of lookout.

3.3 Global positioning system

GPS is used to locate the location of the

specific device depending on the latitude and longitude it find the degree of the location from the network and spot the device movement and track its movement.

3.4 Parse Cloud

It also require backend for this model to store the data of the app so it gets link to the cloud storage for the storage of the data as the back end. Prase allow SDK Android to get data feeded as store and provides notification in the form of codes.

These data is been track by having parse analytics. Application usage, campaign push and analytics campaign for friendly user dashboard. This application have effectiveness over insight and overlays graphs to get insight of product.[4]

3.5 Adaptability to different mobiles

This consists of many features like place 3d maps, my location, compass, latitude, etc but all these features are only acceptable if device consists of supportive drives for these apps. Different mobiles have different GUI and framework to accepts other application. Some have all features some have less.

| Feature | Android | BlackBerry | iPhone | Nokia or S60 | Windows |
|--|---------|------------|-----------------------------|--------------|---------|
| Navigation (Free, turn-by-turn GPS system) | ✓ | | | | |
| Places with Hotspot | ✓ | | | | |
| 3D Maps | ✓ | | | | |
| Compass mode | ✓ | | ✓ | | |
| Offline reliability | ✓ | | | | |
| Place pages (Details, reviews, and more) | ✓ | ✓ | | | |
| Business listings (Address, phone numbers, etc.) | ✓ | ✓ | ✓ | ✓ | ✓ |
| My Location | ✓ | ✓ | ✓ | ✓ | ✓ |
| Latitude | ✓ | ✓ | ✓ App Store | ✓ | ✓ |
| Voice Search | ✓ | ✓ | | ✓ | ✓ |
| Traffic | ✓ | ✓ | ✓ | ✓ | ✓ |
| Street View | ✓ | ✓ | ✓ | ✓ | ✓ |
| Driving directions | ✓ | ✓ | ✓ | ✓ | ✓ |
| Transit directions | ✓ | ✓ | ✓ | ✓ | ✓ |
| Biking directions | ✓ | ✓ | | | |
| Walking directions | ✓ | ✓ | ✓ | ✓ | ✓ |
| Layers | ✓ | ✓ | | ✓ | ✓ |
| Satellite layer | ✓ | ✓ | ✓ | ✓ | ✓ |
| Terrain layer | ✓ | | | | |
| My Maps | ✓ | ✓ | | ✓ | ✓ |
| Starred items | ✓ | ✓ | | ✓ | ✓ |
| Labels | ✓ | ✓ | | | |

Fig 5: Supportive devices for this app.

3.5 Android

Android an operating system consists of an apk format files which has the capability to access many services like internet with LBS gaming, video and audio player etc. Android with LBS allow to spot exact location of particular device.

Periodic update for different location of particular device is also specific and updated. Help to register the the latitude

and longitude which pop up proximity alerts determining the location of the device. It also stores the information of the nearby sector and keep the data safe for future reference.

3.6 Calculate distance

Parse cloud stores all the data enter and location user entered in cloud this done for every the user. When user need to search the shopping mall hi friends nearby or the emergency services its spot and highlight those things. If you want yours contacts or friends nearby then enter details and whoever is close to you its path to approach and distance will be calculate. It also have range in Km. it spot thing only in particular range which is fixed by the operator[1].

Conclusion

An application which is totally handy and easy to understand and use having GPS enabled in this spotting and giving pin point location of the user and also give information regarding friends nearby ,shopping malls, emergency centers ,offers in grocery and most important travel path by comparing geo points and it search things only upto particular radius and we can track someone only if that device is upto specific range on our display map.

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