Survey Paper on Get My Route Application

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Abstract: Smart Phone usages become increasingly in recent years. Dramatic breakthroughs in processing power along with the number of extra features include in these device have opened doors to wide range of possibilities. The main intention of introducing Get My Route system is to reduce the manual work of human toward searching any think like where is the school, roadchat, jobs, Emergency services etc in city or all over country. Every type of searching task is performed by the system with their perfect location that is where that shops, school is actually located. The System also focuses on small shop like puncher shop, auto care, all city events happen in future with perfect map.

Keywords: Get My Route, Categories, Sub-Categories, Road chat, Phone Gap.

I. INTRODUCTION

To develop a Get My Route Application, we take care of user or we can say any human being to search any places present in city with perfect and accurate location. The current manual system is done same job but with slow speed and less accurate location, also have drawback that it is just focus on big showroom and big shop rather then that the Get My Route Application will basically focus on small categories like Road chat, punchers shop etc.

ADVANTAGES TO BOTH END USERS & DEVELOPERS
The system is useful in various ways as the getting information about the where that particular service provided without any human effort who with their perfect location.

Basically, information is display in three ways that is in first tab it will display All shop present in city. Second, most likely shop in city which provide that particular service and last which is focus on location that is give this shop which is nearest to you.

GOAL AND NEED
GOAL: With every going day the need to reduce the human effort that is every think must be done with in minute and with very less effort so, for this purpose this system is introduce where you get all information with perfect map in you smart phone. The most basics advantage of this system is that, system was developed in PhoneGap technology that means this application can run on any platform that is there is no restriction regarding to the operating system in smart phone like whether it is

Android, Black Berry, Windows etc.
NEED: To develop a Get My Route Application System there is largely focus on data maintain us because the data will varied upon categories that means some categories need updation on daily bases like movies etc. And some categories are fix they do not need daily updation like showroom, education etc. And hence, the entire system is largely base on Data Mining.

II. LITERATURE SURVEY

Observation of the Existing System:
In the last few years, the smart phones (Android, Black berry and iPhone) have taken over the market of Nokia based Symbian Phones in India. And these smart phones come equipped with A-GPS functionality which provides the spatial coordinates of the user location. Android's Network Location Provider determines user location using cell tower and Wi-Fi signals, providing location information in a way that works indoor and outdoor, responds faster, and uses less battery power. Assisted GPS, also known as A-GPS or AGPS, improves the performance of standard GPS in devices connected to the wireless network. And by using that all facility there is many Application come into market but, each and every application have some drawback like some Application will not give proper information about distance or some have problem that it will work on single operating system that is only prefer Android, IOS, Windows etc

The new system that means Get My Route Application System would overcome All this issue because the System will developed by using PhoneGap technology the biggest advantage is that it will support multiple platform that means the Get My Route Application System will not just work on Any one operating system but, support many platform like Android, IOS, Blackberry, Windows.

Also the next major issue in previous system is that it unable to give proper location that means not work properly with GPS API but the phoneGap also overcome that problem because its mainly support standard API. Hence, due to this we can say that the Get My Route Application will cover all this disadvantage.

The existing System is very inefficient and provide not proper information about the shop in details. Also the application will support android platform not other. Also when deal with location it not give proper location and does not show path between source and destination while we observing the existing system we found so much disadvantage as follows-

Disadvantages
- Can't support all platform.
- Does not provide proper information in details.
- Can't provide actual path on map also not give or calculate distance between source to destination.

THE PROPOSED SYSTEM:

The present system has obvious problems, hence need to over come all that problem so, we developed a application that will overcome all this disadvantage and provide some addition facility and also go for addition feature.

Advantages
1. Support cross platform.
2. Give all the details information about particular shop and service.
3. Provide proper direction and path on map between source and destination
4 .Also work as navigator and calculate distance as well.

Disadvantage
1. Need high speed internet connection so that it will properly hold map on screen.

III. DESIGN PHASE

Once the software requirements have been analyzed and specified the software design involves three technical activities design, coding, generation and testing that are required to build and verify the software.

The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system. Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data.

The Shodhbeta Application System project has been divided into Six modules. They are
- Registration / create profile of user.
- To maintain the list of categories.
- To maintain the list of sub-categories.
- Display the proper information.
- Display information as per like, distance refer to end user.
- Display the map.

Registration / Create Profile Of User.
This module consists of the following sub modules viz.
1. Install the Application create Profile Inserting the information about user like mobile number, name etc.
2. Viewing the profile

To Maintain The List Of Categories
In this module we are maintain the list of main Categories and as per that the Data will display.
For Example:- if you want to get information about cyber café the that cyber café will come under Internet Categories so, flow of program will be like

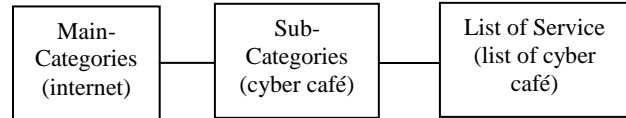| Main-Categories (internet)	Sub-Categories (cyber café)	List of Service (list of cyber café)

Fig.1.1 Flow control of Categories

To Maintain The List Of Sub-Categories.
In this module we are maintain the list of Sub-Categories and as per that the Data will display.
For Example:- if you want to get information about cyber café the that cyber café will be An sub-Categories whose main Categories is Internet so, flow of program will be like that

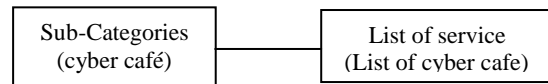| Sub-Categories (cyber café)	List of service (List of cyber cafe)

Fig.1.1 Flow control of sub-Categories

Display The Proper Information.
The main task of this module is to Display all information properly weather that information related to customer, user or any service provider. Display Information As Per Like,

Distance Refer To End User.
 This module again is divided into two sub modules. They are In that information will Display as per most likely shop or Any most likely service provider And this rating will given by user. In that information will Display as per nearest shop form your current location.

Display The Map.
The last module is to Display the actual map with their actual distance in kilometer which help you to the end user to find their destination or required shop or address of particular service provider.

COMPARE WITH OTHER MODELS WITH GET MY ROUTE
As we see many advantage and disadvantage between other application and Get My Route now we can see it with the help of table whose give you proper information so we can easily differentiating them.

Other	Get My Route
It does not show proper location & Distance.	It shows proper. location & Distance
Does not locate all small places which user wants.	It locate all small places which user wants
Fixed information given	Fixed information given.

Table No.1 Different between Get My Route and other

IV. FUTURE SCOPE

After going through the surveying, it can be gathered that there is a huge scope of application development in mobile domain. Following the same notion, we can also develop application that can tackle following issues:

- Location positioning technologies
- Query processing
- Cache management

Applications can be developed on Phone Gap platform of Open Handset Alliance led by Google. Google provides simulated environment and standard development kit for developing Android applications. Although this platform is very new and SDK provided is still in its nascent stage, a great number of mobile companies are queuing up to install it on their devices. We chose Android as it is parallel to iOS (supported by Apple) in terms of facilities it provide and is also open source. The Get My Route Application System can help user to find hospitals, school, gas filling station or any other facility of interest indicated by user within certain range. Just like a GPS device its location will also be updated as soon as user changes his/her position

V. CONCLUSION

Initially mobile phones were developed only for voice communication but now days the scenario has changed, voice communication is just one aspect of a mobile phone. There are other aspects which are major focus of interest. Two such major factors are web browser and GPS services. Both of these functionalities are already implemented but are only in the hands of manufacturers not in the hands of users because of proprietary issues, the system does not allow the user to access the mobile hardware directly. But now, after the release of android based open source mobile phone a user can access the hardware directly and design customized native applications to develop Web and GPS enabled services and can program the other hardware components like camera etc. The Get My Route application system can help user to find hospitals, school, gas filling station or any other facility of interest indicated by user within certain range. Just like a GPS device its location will also be updated as soon as user changes his/her position.

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