

Feminie Hygiene Facility Depot Locator

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Abstract – In today’s fast and forward life it is very difficult to maintain healthy life. Health is real Wealth; so we should take care of it.

This application “Feminie Hygiene Facility Depot Locator” will help to locate hygienic washroom and restroom for women’s. Due to use of unhygienic washroom services lots of health issues are arises so, this is small try to reduce health related issues due to unhygienic washroom.

This application will help to locate all organizations which provides washrooms and restroom services for women’s. For this purpose GPS system is use to achieve the requirement of the application, allows for the exact point of locations anywhere on or directly above the earth. Maps applications on many Smartphone’s also gives this sort of turn by turn guidance to help people get on the right streets and take the right exits. This application gibes you turn by turn by directions to bathrooms near you, the ability to see a Google Street view of the location.

Keywords-global positioning system (GPS), satellite, receiver, API, Google map.

I. INTRODUCTION

This application will help to search nearest washrooms easily while traveling in different cities with the help of GPS. When we travel out of city then generally we don’t know anything about that city at the same time it needs much effort to address particular washrooms and restrooms for women’s. At the very same time this application will assist to search for it. Utilizing this application, we can find restrooms and washrooms without any difficulty. This application will advise you by furnish with the data about step by step turns and give you exact location. Due to step by step assistance we can search washrooms very easily and without any difficulty.

We realizes need of development of this application because according to the survey lots of health related issues for women’s are arises because they are using unclean washroom services like if female hold urine for longer time then different issues are arises like:

- Pain in lower abdomen

- Stretching of urinary bladder
- If repeatedly happened then chance of infections like – kidney infection, local side (infection of urinary bladder).

Other issues are arises due to menstrual hygiene like:

- Local
- Fungal infection of inner aspect of things
- Infection of endometritis
- Infection of ovary
- Infection pelvic cavity
- Infection of pholypintube

This application will help to reduce above mention all issues because this application will also able to locate resources that will provide hygienic facilities for women’s like sanitari pad vending machine, digital health clinic and medicals, feeding room.

II. GLOBAL POSITIONING SYSTEM

Usually global positioning system is popularly known as GPS. It is utilize to discover different locations all over the world.

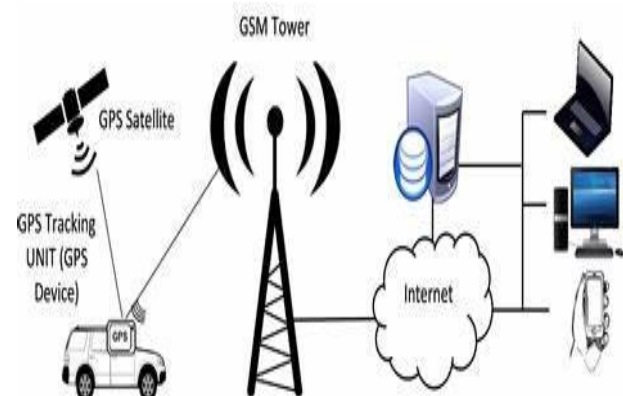


Fig. 1 : GPS system

Receiver and satellite are used in GPS system.

Receiver receives different locations from the satellite and shows to the user according to their need.

In this application GPS is used to locate the different hotels, public washrooms, schools, etc that provides hygienic washroom facilities for women's. Due to this it will be easy for women's to find washroom or restroom without any difficulty.

<p>User Applications Use java framework and, optionally, native code.</p>
<p>Android Framework Java Classes under com.android</p>
<p>Native framework layer User mode C, C++ code- compiled to native platform or 32bit compatibility mode on 64 bits.</p>
<p>Linux Kernel(GPL License) C code – compiled to native platform (x86, arm, mips)</p>

Fig. 2 : GPS System

In GPS Dijkstra's algorithm is used to find shortest path. In this algorithm shortest path from every node is calculated to travel from source to destination. For that purpose it visits all nodes which are available on the route and calculate the distance, after calculating distance from every node it will return the shortest path to the user.

There are different reasons for that GPS is used like:

- It supports real time tracking
- It will able to show trip history
- It will gives alerts to user in difficult situations
- It is accessible to anywhere and anytime
- It is easy to use and it is user friendly interface
- It supports access control and user management

ANDROID STUDIO

Android studio is an open source, integrated development environment (IDE), for android application development. This studio has one or more modalities with source code and resource files. These modalities include Android app modules, library modules, and Google app Engine module. Android studio will provide multiple predefined modules which are help in development of the any projects very easily.

GOOGLE MAP API

By using Google map API it will be easy to locate different locations on map across all over the world. Google will provide different API's like Map, Route, Location etc. These API's are easy and user friendly to use. With the use of this API's user will be able to build customized, agile experiences that carry the real world to users with static and dynamic maps. Google will provide these API's freely or it charges some costs according to the use of the API.

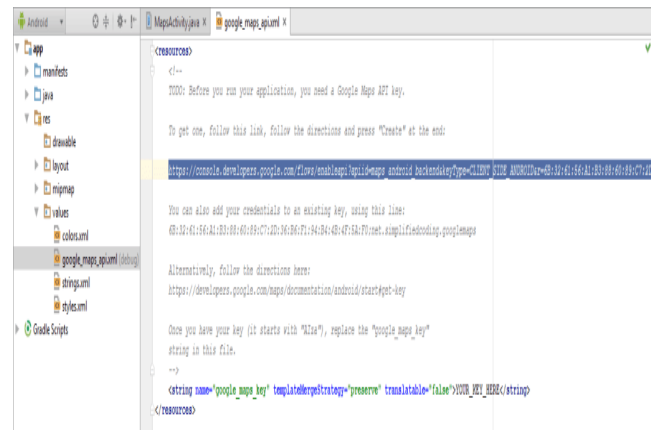
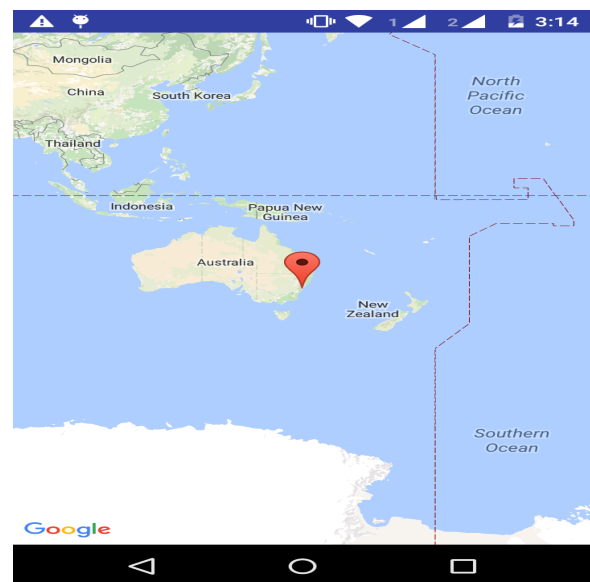


Fig.3:Google Map API.xml



III. SYSTEM ARCHITECTURE

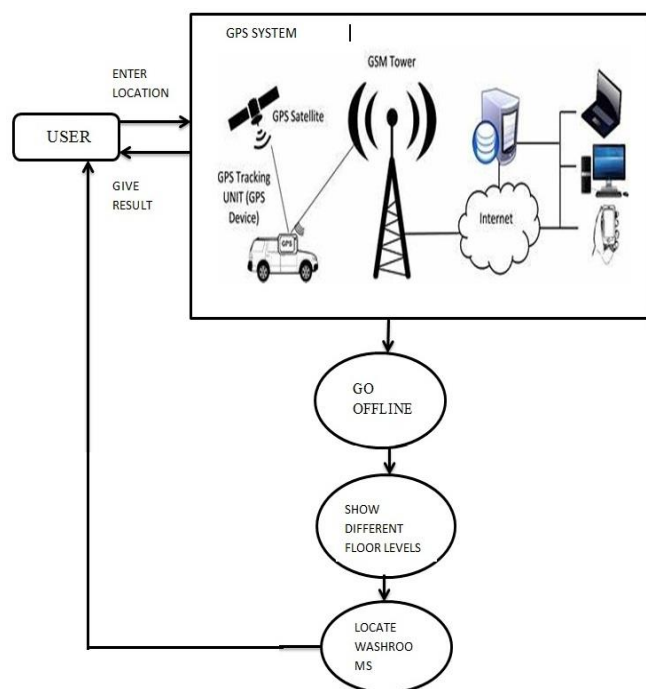


Fig. 3: System Architecture

This application is design with the help of android studio. To run this application successfully on any desktop it is necessary that android studio must be installed on that particular system. To use this application successfully and find hygienic washroom or restroom by using this application user first have to enter her current location, after this working of GPS will be initialized i.e. it will recognizes the users current location and try to shows all available resources that provides washroom or restroom facility. Then users have to select nearest location. After successful selection of particular location this application will shows detailed location of washroom or restroom of that particular organization. Due to this there is no need to ask anyone the exact location of the washroom. If the new user wants to use this application then it will be easy for that user to use this application. After using particular resource user will be able to give their review about the service and they will be able to give suggestions to that particular organization. This suggestion will help particular organization to improve their services.

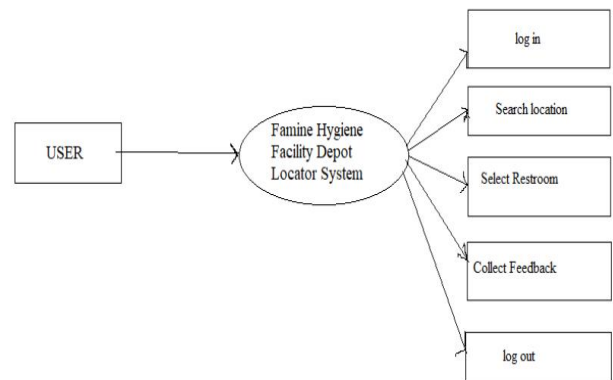


Fig. 4: Flow of the system

ADVANTAGES

- Easy to locate washrooms and restrooms.
- Helps to travel easily.
- Helps to deliver protection during discharge hygiene facilities for women.
- Wherever you are just open the app, search for nearby toilet and get the map representation of the toilet.
- Suggestions of unattainable and insufficient Toilet provision.

IV. CONCLUSION

Feminie Hygiene Facility Depot Locator will help us for locating facility centre's like restrooms, public washrooms, washrooms in college, hotels, hostels, petrol pump, hospitals, etc. This application "Feminie Hygiene Facility Depot Locator" will help to locate hygienic washroom and restroom for women's, and give them more confidence when travelling, running errands, or socializing with friends and family. At a glance from ministry's viewpoint, this is an important keystone of the government's Swachh Bharat campaign for a clean India. This includes making information about existing sanitation facilities easily accessible for women's.

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