

Personal Safety Application

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Abstract: *The personal safety app is concern of increasing urgency of India and other countries. All existing personal safety application in requirement internet and send message services. We are developed app named “Personal Safety App” this will work online only. This paper proposed a new model for personal security in public places which aims to provide the 100% safe environment. Personal security is a critical issue in today’s world and it is very much needed for everyone over such an issue. This paper describe the a “Personal Safety App” that provides the combination of GPS device and specialized software to track the location as well as provide the alert message with sending an image related with situation. Now a day recently happened cases such as rape by drivers or colleagues, burglary etc. Employee security, especially woman employee security has become very important. System uses the global positioning system technology to find out the location of person. The information of the person provided by the device can be viewed on Google maps using Internet. This paper focuses on the proposed model that can be used to deal with the problem of security issue of women employee using GPS and GSM based system.*

Keywords: Personal Safety, Personal Security, Location Tracking, Emergency Call and SMS

I. INTRODUCTION

Personal safety app is a big concern which has been the most important till date. Personal safety app matters a lot whether at home, outside the home or working places. Few crimes against ladies particularly rape cases were terribly dread and fearful. Most of the woman of various ages, till this day are being subjected to violence, domestic abuse, and rape. As ladies ought to travel late night generally, it’s necessary to remain alert and safe. Although the government is taking necessary measure for their safety, still, there are free safety apps for women that can help them to stay safe. Most of the females these day carry their smart phones with them, so it is necessary to have at least one the personal safety apps installed. Such a security app for ladies will definitely facilitate in a way or the opposite. This is user-friendly application that can be accessed by anyone who has installed it in their android phone. Our intention is to provide you with fastest and simplest way to contact your nearest help. In this system user needs to feed contact number, in case of emergency, the system sends calls on one of the numbers feeded into the system and message also with the location. The phones start vibrating and sirens start ringing. This features for both everyday safety and real emergencies, making it an ultimate tool for all.

II. METHODOLOGY

2.1 Design of System

Base of the vital evaluation and the requirement of security performance the modules are chosen as;

A. Database Module:

The database used for this application is MYSQL with backed of PHP API and Apache web server. Apache is free and open-source that allows users to deploy their website on the internet. It is one of the oldest and most reliable web server software maintained by the Apache Software Foundation, with the first realised version in 1995.

The database module contains database with name “personal_safety_app” and there will be two database tables which is used to store user personal details and personal contact number used for emergency calls and sending messages.

B. Global Positioning System (GPS) Module

It is precise positioning tool, tracks the location in the form of longitude and latitude based. The GPS Coder Module used this information to search an exact address of that location as the street name, nearby junction etc. In case where GPS is disable then the system only send the longitude and latitude, Internet is mandatory.

C. GSM System Module

Global system for mobile communication (GSM) SIM card is inserted inside the mobile device to send and receive the message using GPRS .The GSM SIM card number is registered with the system .With increasing usage of GSM ,network service are expanded beyond speech communication to incorporate many other custom application , machine automation , machine to machine communication .

D. Activated Button Module

This module will going to enable the silent mode and data service automatically .After enabling the data service the location of the person automatically send to the contacts that are added in database .

III. IMPLEMENTATION

3.1 System configuration

Processor: i5 & above 2.40 GHz, RAM: 8 to 12 GB, HDD: 1 TB, AMD Graphics Card, Operating System: Windows or Linux

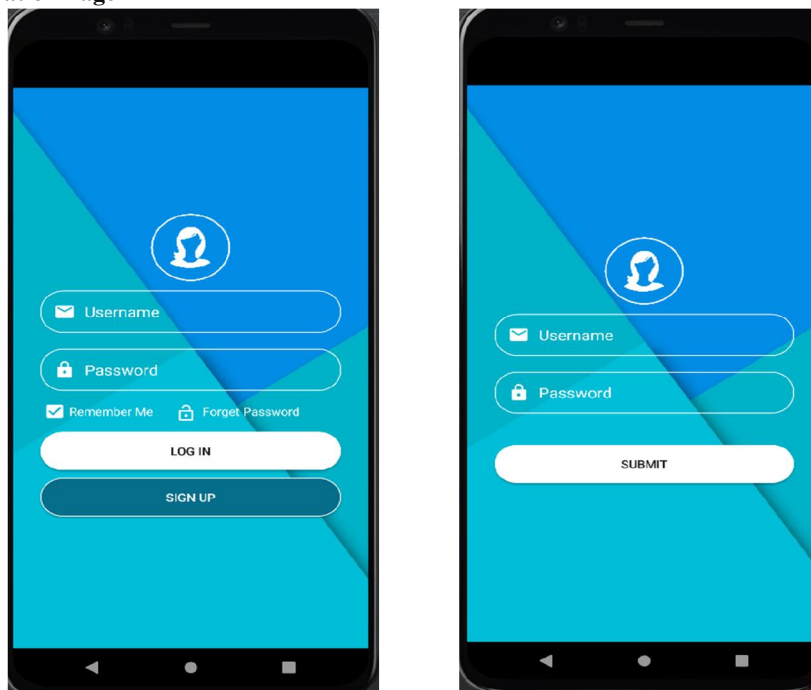
3.2 Tools used for creating project

Application server: XAMPP, Language used: JAVA, PHP, XML, Database used: Myself,

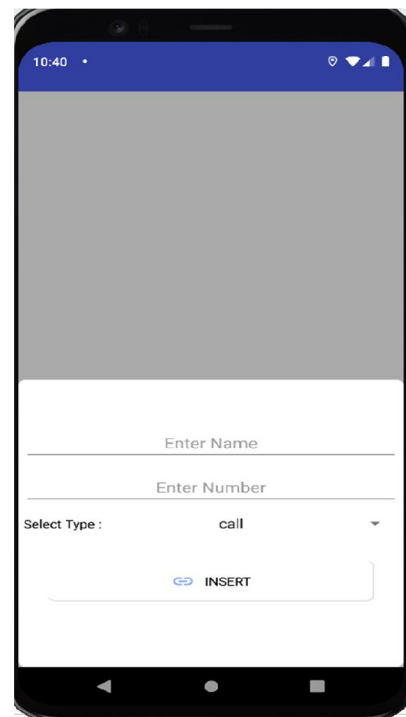
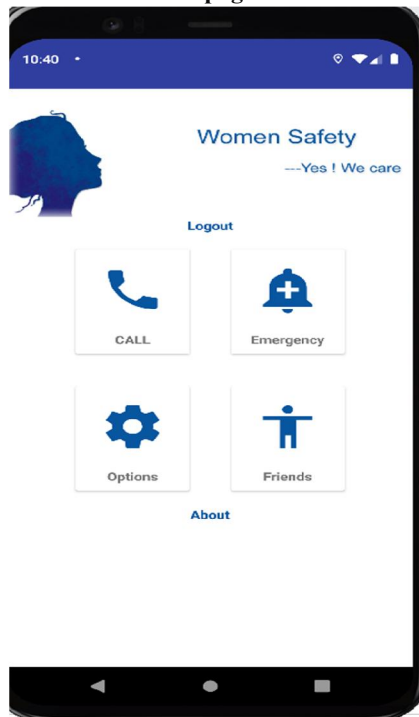
3.3 Framework Used: Android Studio, PHP Stroke

3.4 User Interface

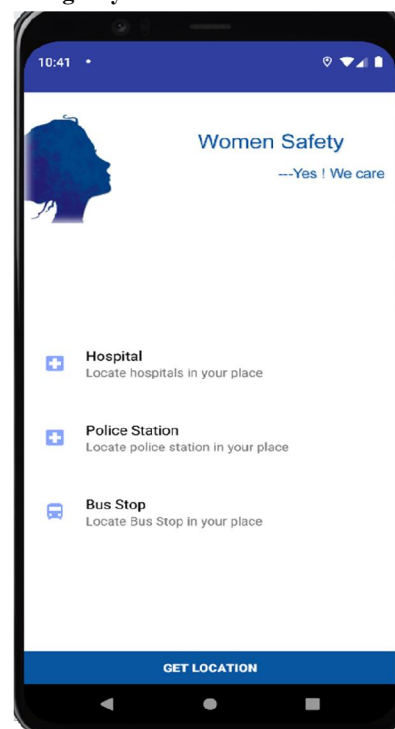
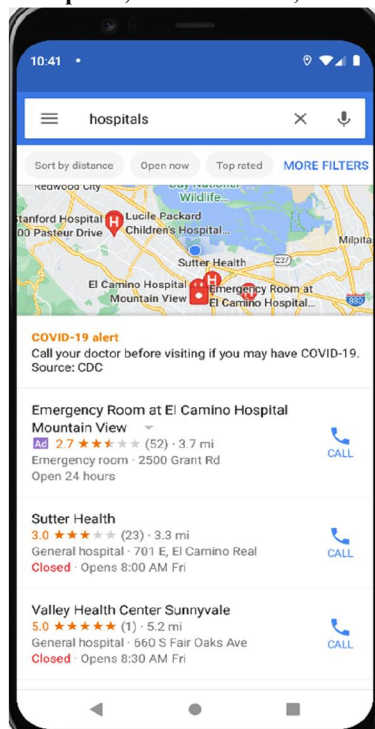
A. Login & Registration Page



B. Homepage and Add number page



C. Get Nearest Hospitals, Police Stations, and Bus Stops List in Emergency



IV. CONCLUSION AND FUTURE SCOPE

Unfortunately the safety of users is in doubt and security is not concerned. Many headlines still coming across against user indicates that increasing trends of such sexual assault, rapes still happening in today's generation. Around 80 percent of women are losing confidence and have fear toward the realization of freedom. So we are try to contribute little efforts toward women which will ensure the safety and respect for women so that she can also have right equally like men. This mobile application is very much helpful for anyone. In this application first user will added many people is called mediator. When any person is in dangerous situation then he/she click on the call module for emergency calling and click on emergency for the emergency message. As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment. Because it is based on object oriented design, any further changes can be easily adaptable.

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