

Project Presentation on “Women Safety”



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1)Project Title

Women Safety

- To ensure all the ones who are using this application are all safe.
 - Easier to use by all the women
- This project presents an alert system for Women safety detection.
- To be very useful in the situation where any women or girl is traveling alone and need helps.

2.1)Requirement specification

Existing system: Women have to dial a number to call a police or send a Short Messaging Service (SMS) to the particular subscriber code, after they received the service they will get in touch with you later and there is no time to make a call or SMS. There are also so many volunteer organizations all over the world to help them, but they could not able to get those messages

2.2)Requirement specification

(NEW SYSTEM)

- GPS based women tracking system (Women's Safety System)
- The main objective of the system is to track the current location of the person which has an android enabled mobile by extracting the longitude and latitude of that target person
- Track the person & plot the location on real time system like google map.
- Register Emergency Contact Numbers for sending alert messages.
- Send Alert messages in case of trouble and use siren sounds and flashlights.
- Locate Nearby Police stations, Hospitals, Fire Stations.
- Call Various Helpline Numbers.
- Report crime with images and videos.

3.1)Client Side Hardware / Software Requirement

Hardware

- Any Compatible Android Device

Software

- Android Version:- 4.0.3(Ice Cream Sandwich) as Above

3.2 Hardware & Software Requirements

Server Side

Hardware:-

- Processor :- Intel Core i3
 - RAM:- 8GB
 - HDD:- 1000 GB
-

Software:-

- Supporting Tools:- Android Studio 3.0.1, xampp server 3.2.2
- Operating System:- Windows 10

4)Function Specification

- Login:-

User can have access of this application by successful login.

- Emergency SMS:-

user can send bulk of SMS to their emergency contacts.

- Class wise SMS & mailing:-

user can send SMS and mail by class.

- Subject wise SMS & mailing:-

User can send SMS and mail by subject.

- Document sharing:-

User can send document by mail to student.

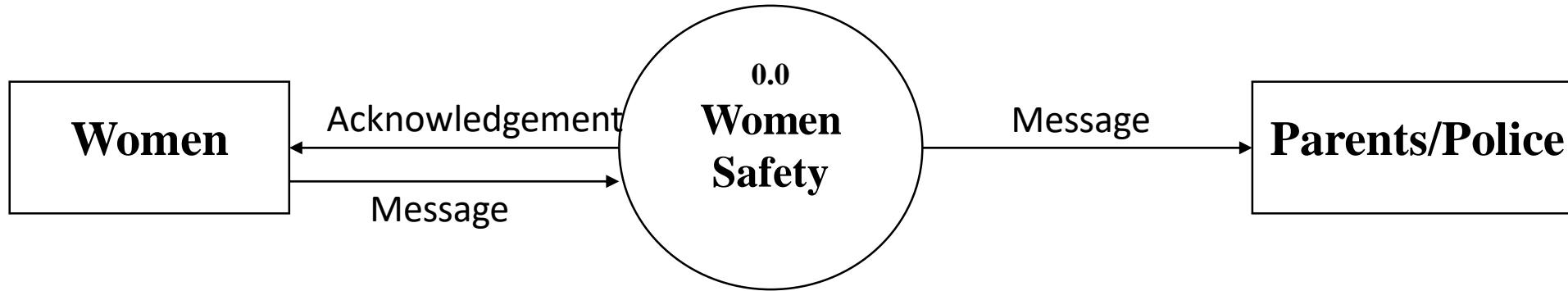
- Attendance SMS & mail:-

User can send SMS and mail of students attendance percentage to their parents or them.

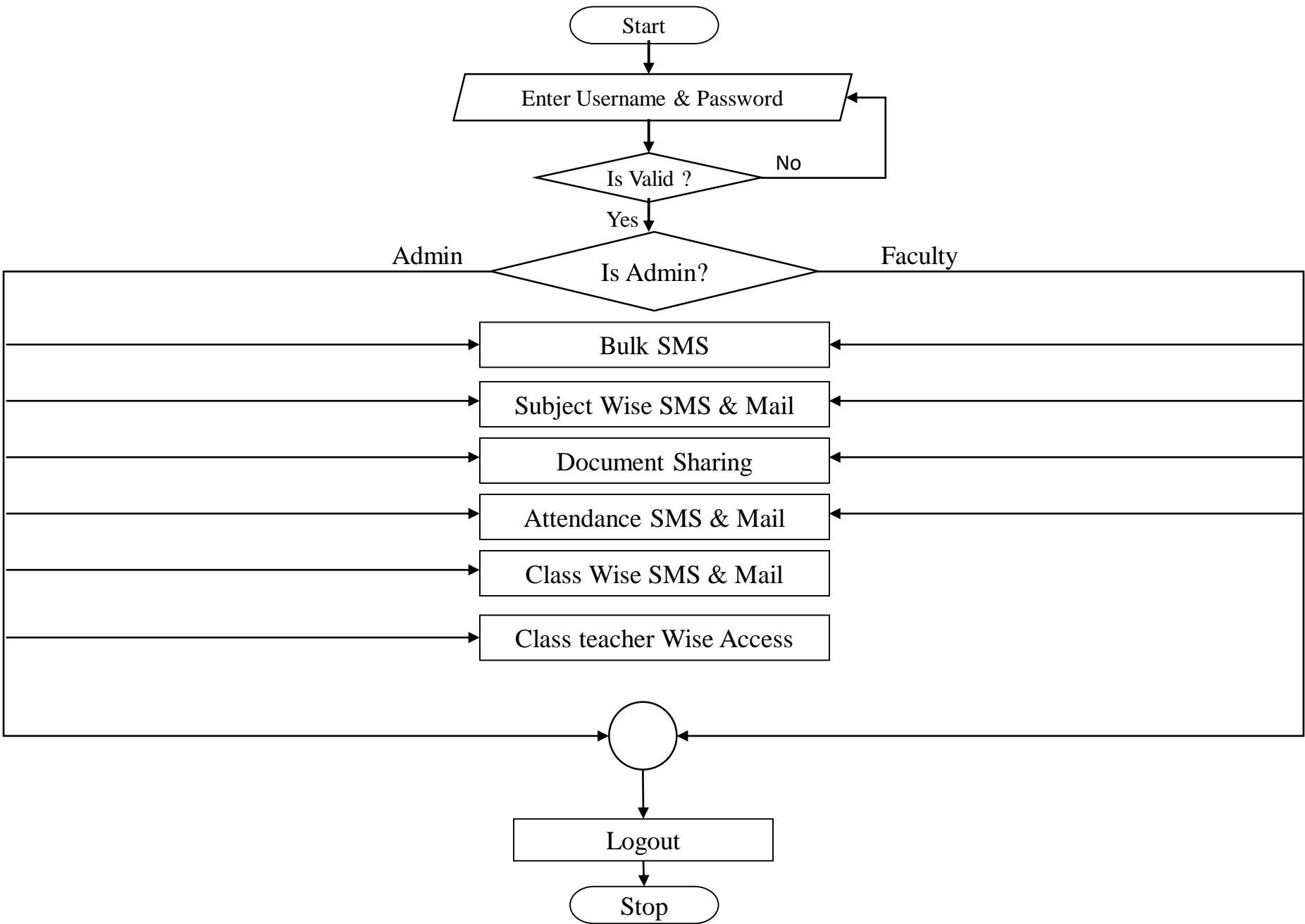
- Class teacher wise access:-

User can access student info from their class teacher.

Context Level DFD



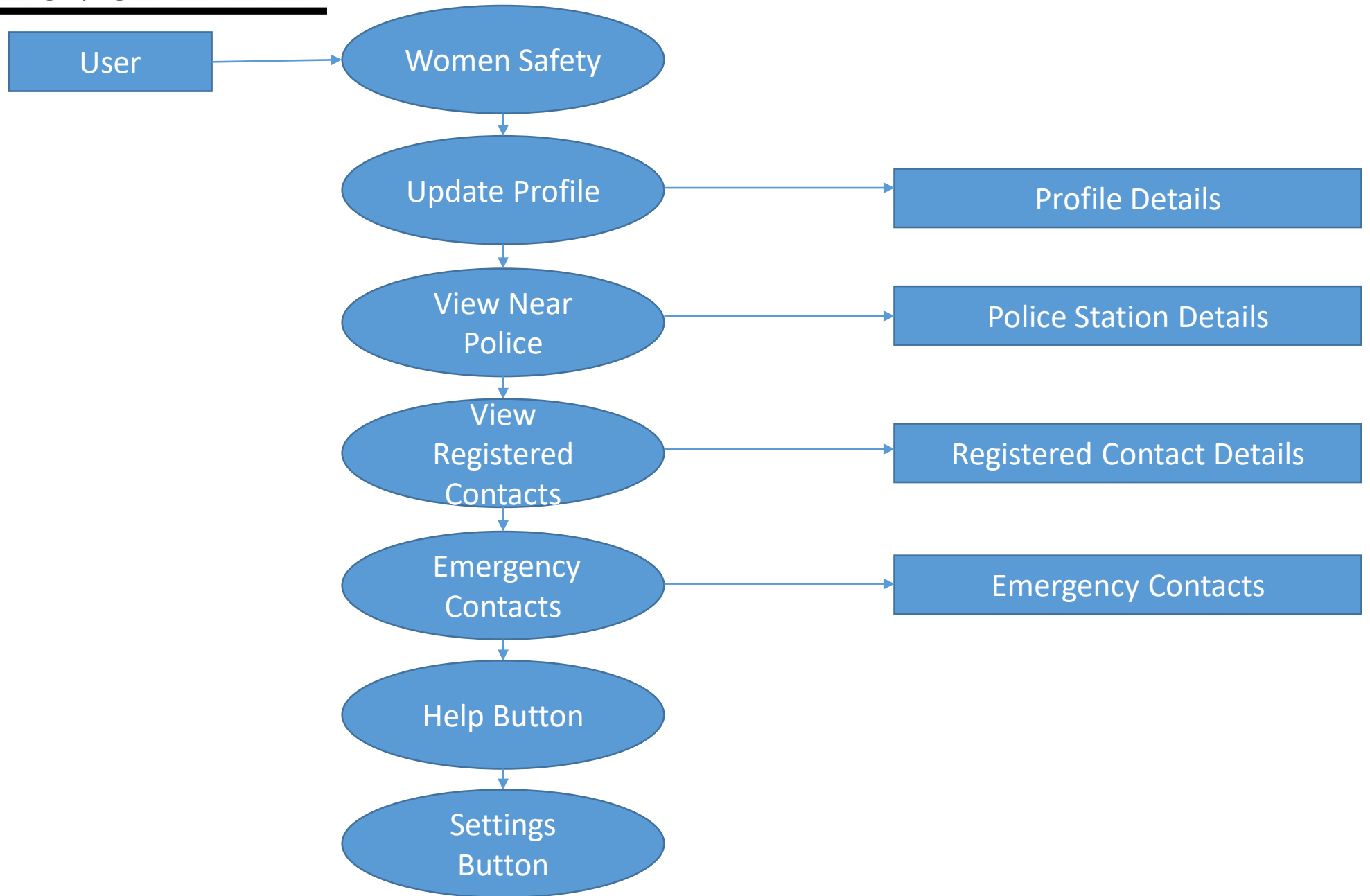
System Flow Chart



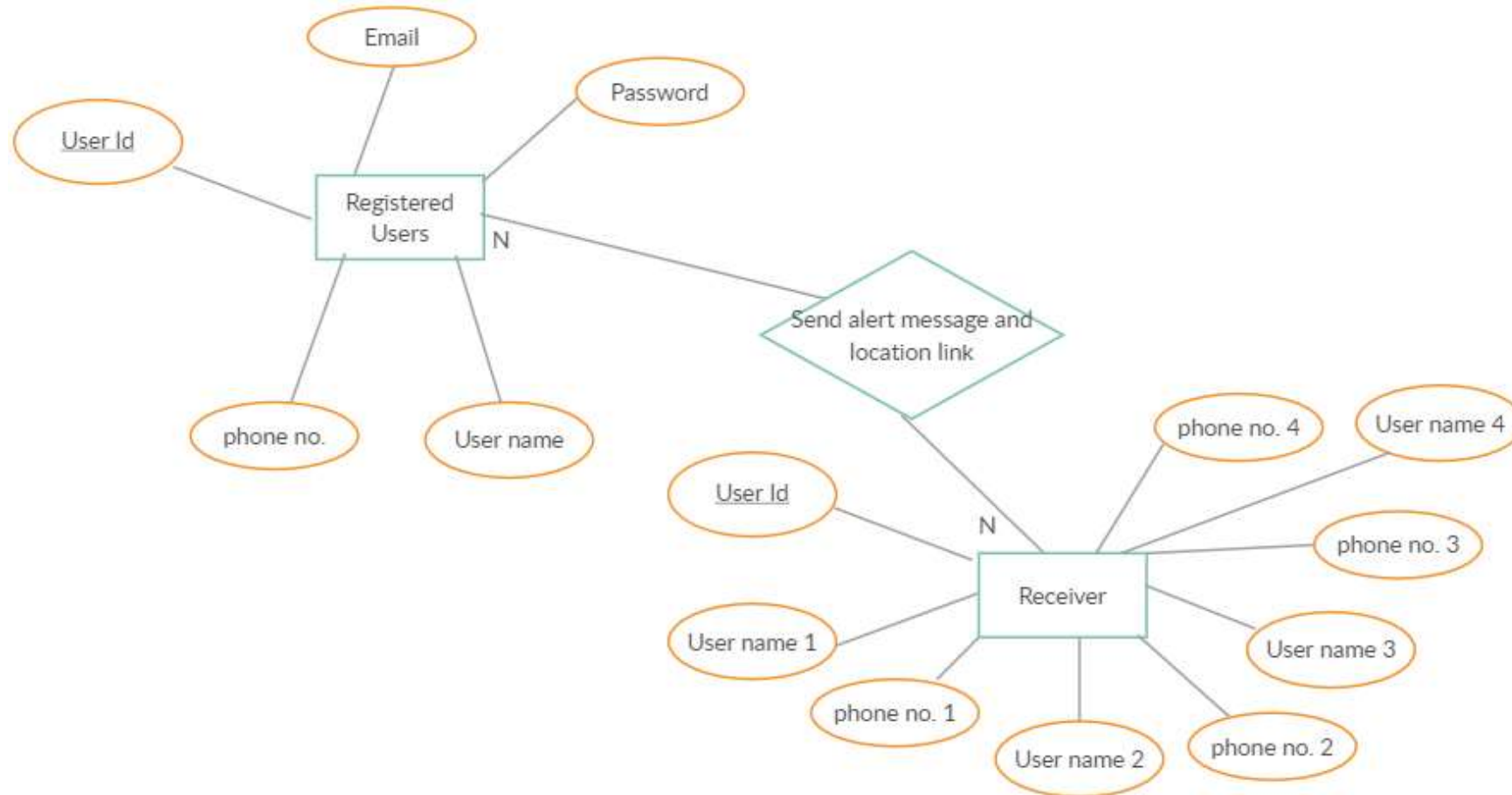
0 Level DFD



First Level DFD



Er Diagram



Bibliography

- 1) Tutorials Point**
- 2) W3 Schools**
- 3) Java T Point**
- 4) GitHub**
- 5) The New Boston**
- 6) Core Servlets Android Tutorials**
- 7) Geeks of Geeks**

Conclusion

- This application helps in live tracking of the location of the victim through GPS along with one of registered contacts receives a call from the root device. The merit of this application is even when the location of the root device is changing rapidly; we can identify the exact location. As a future scope, this application can be integrated with the law enforcement database, which includes all phone numbers of cops. Thus, this application can help the women in a big way from unsafe conditions. The problem of the women safety is increased rapidly in this environment, so I proposed as an effective Android application to prevent such type of the suspicious or natural disaster, by alerting the concern authorities using the android mobile phone which helps to stop such type of illegal activates and to trace the concern.

Bibliography

- During the development of our system, we have taken the reference from various books and journals, which we would like to mention in this section.
- These books acted as our online tutors during system development.

Sr. No	Book Title	Authors	Publisher(Year)
1	Head First Android Development	Dawn Griffiths	O'Reilly Media
2	Hello, Android Introducing Googles Mobile Development Platform	ED Burnette	Shroff/Pragmatic Bookshelf
3	Android Developer's Cookbook	Ian Darwin	Addison-Wesley

8)Input/ Output Design (Screen Layouts with title and brief description on each screen shot)



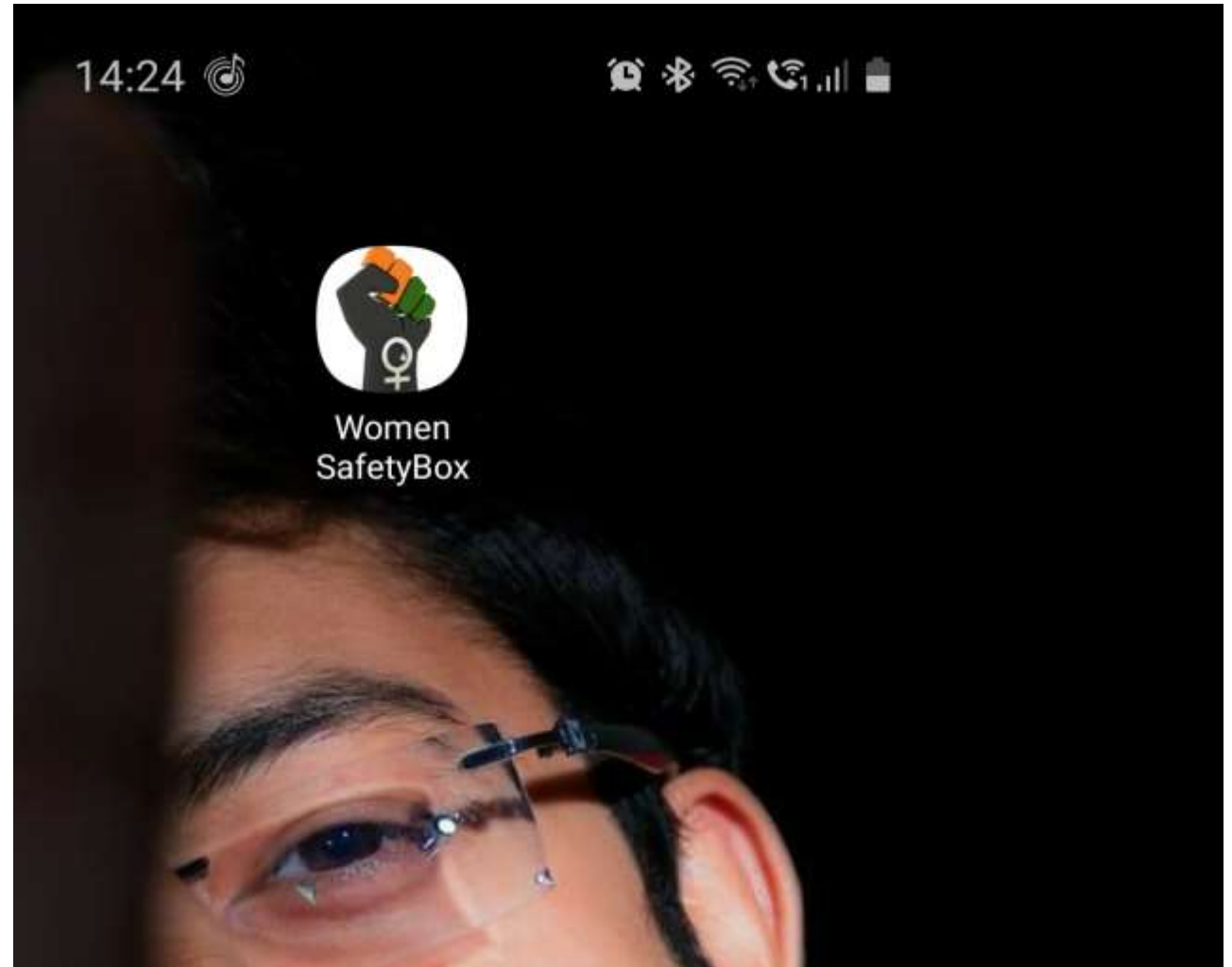
App in menu

This is how the app logo looks in the menu screen when instakked in the phone



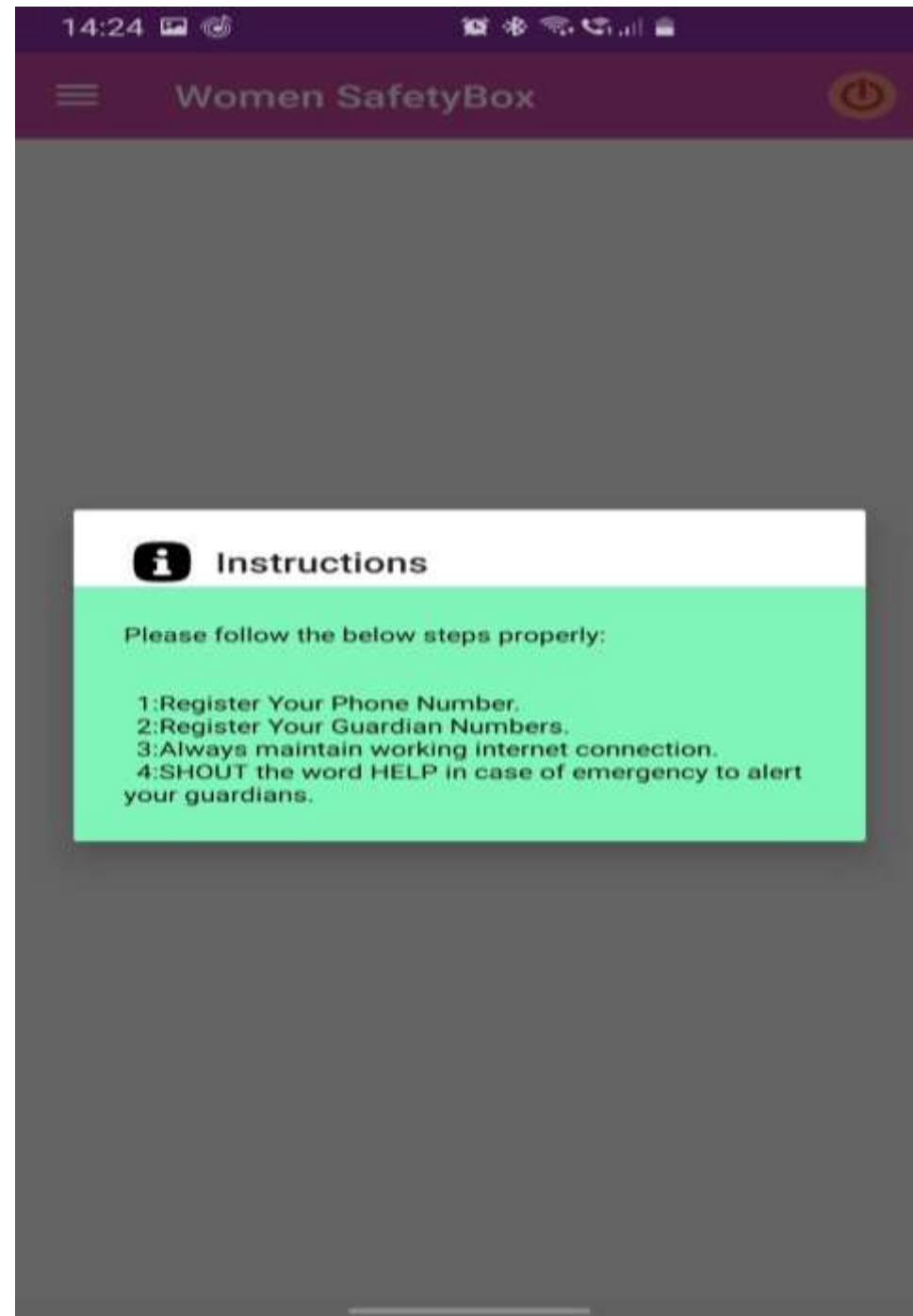
App in menu screen

This is how the application shows in the home screen with the name of the application below the logo in the phone screen



App launch

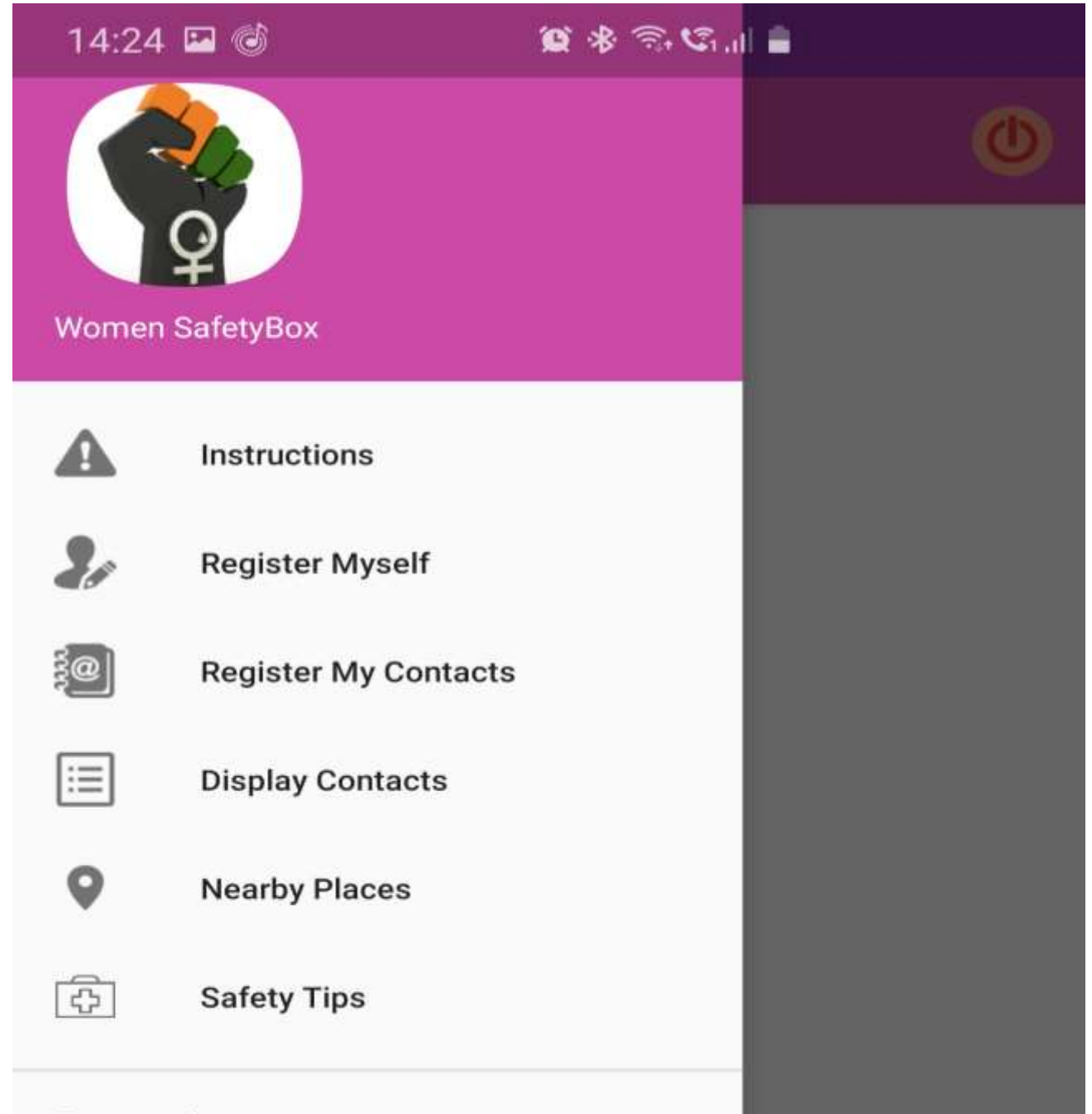
This is the screen shot when you open the application from the home screen



Menu bar of the app

Here it contains the menus that can lead you to the different modules that are used in the application such as

- Instructions
- Register myself
- Register my contacts
- Display contacts
- Nearby places
- Safety tips



Instructions section

Here you can view the instruction that have been shown when you launch the app and open it



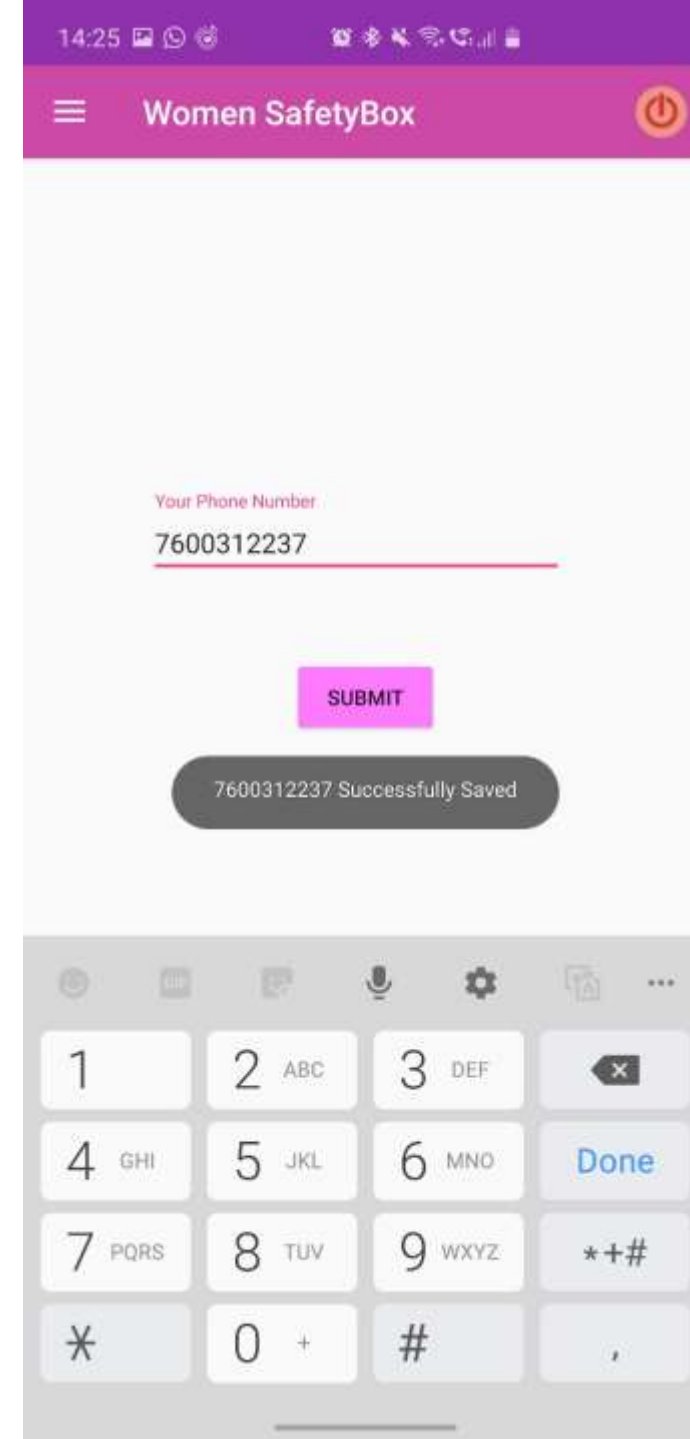
Instructions

Please follow the below steps properly:

- 1: Register Your Phone Number.
- 2: Register Your Guardian Numbers.
- 3: Always maintain working internet connection.
- 4: SHOUT the word HELP in case of emergency to alert your guardians.

Register myself section

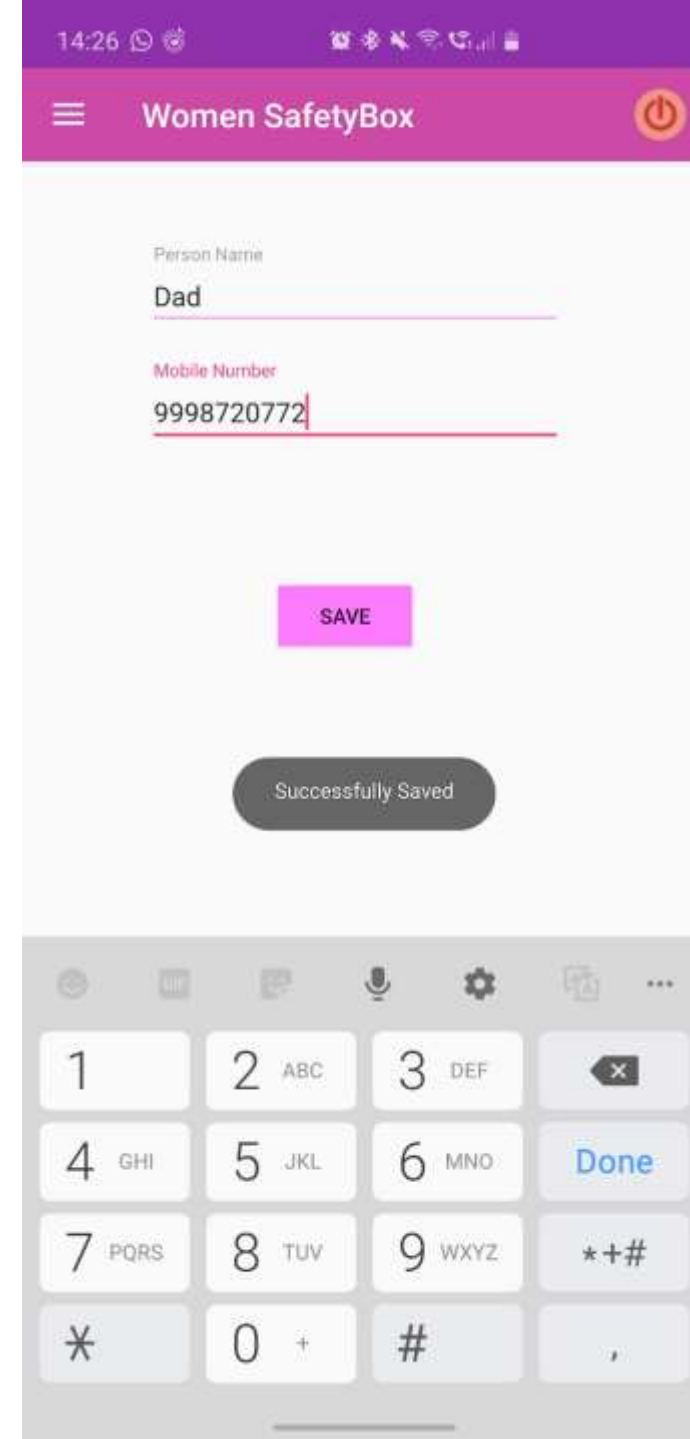
Here, by this section you can enter your mobile number that you can make the messages forward to the emergency contacts



The screenshot shows the 'Women SafetyBox' app interface. At the top, there is a purple header bar with a hamburger menu icon on the left, the text 'Women SafetyBox' in the center, and a power icon on the right. Below the header, the main content area is light gray. It features a text input field with the placeholder 'Your Phone Number' and the entered number '7600312237'. Below the input field is a pink 'SUBMIT' button. Underneath the button is a dark gray rounded rectangle containing the text '7600312237 Successfully Saved'. At the bottom of the screen, a standard iOS numeric keypad is visible, with a 'Done' button in blue.

Register my contacts

Here you can add the emergency contacts including their name and number respectively



The screenshot shows the 'Women SafetyBox' app interface. At the top, there's a purple header with a menu icon, the app name 'Women SafetyBox', and a power icon. Below the header, the form has two input fields: 'Person Name' with the text 'Dad' and 'Mobile Number' with the text '9998720772'. A red 'SAVE' button is positioned below the inputs. A dark grey toast message 'Successfully Saved' is displayed at the bottom of the form area. At the very bottom of the screen, a standard iOS numeric keypad is visible.

14:26

Women SafetyBox

Person Name

Dad

Mobile Number

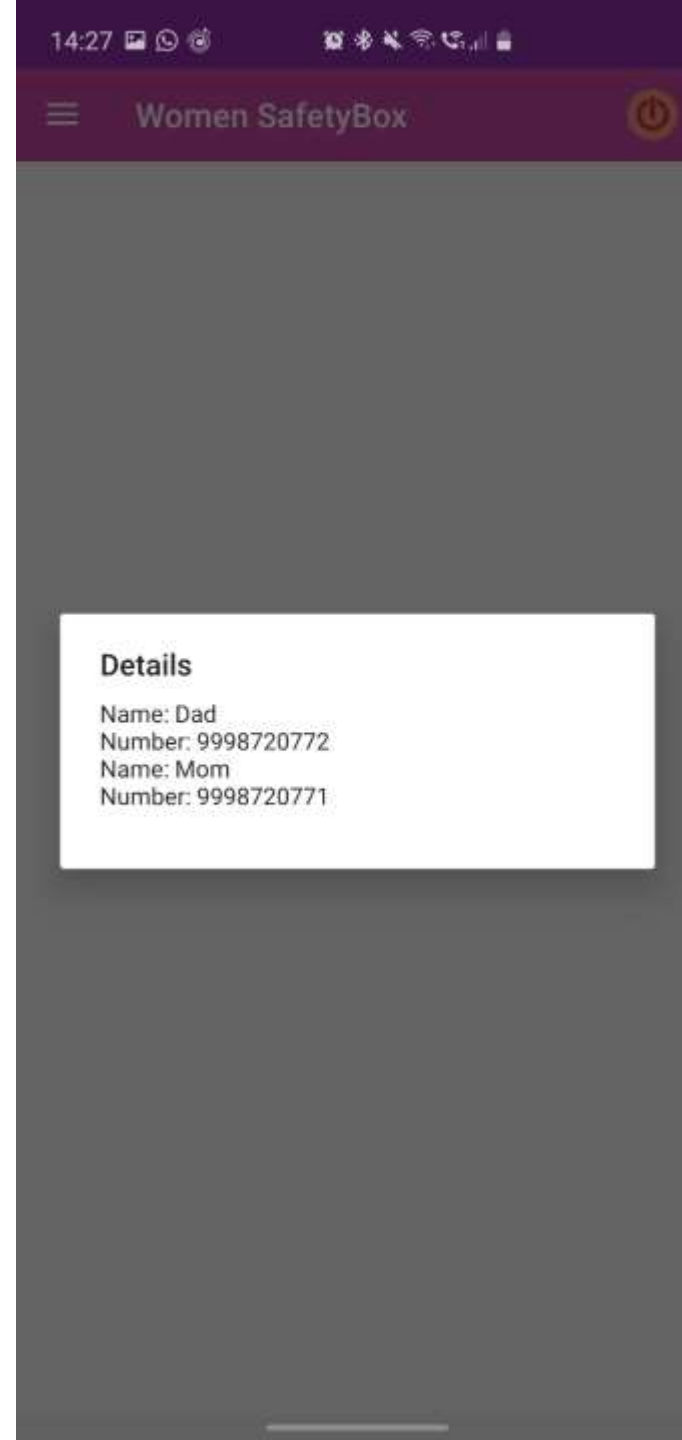
9998720772

SAVE

Successfully Saved

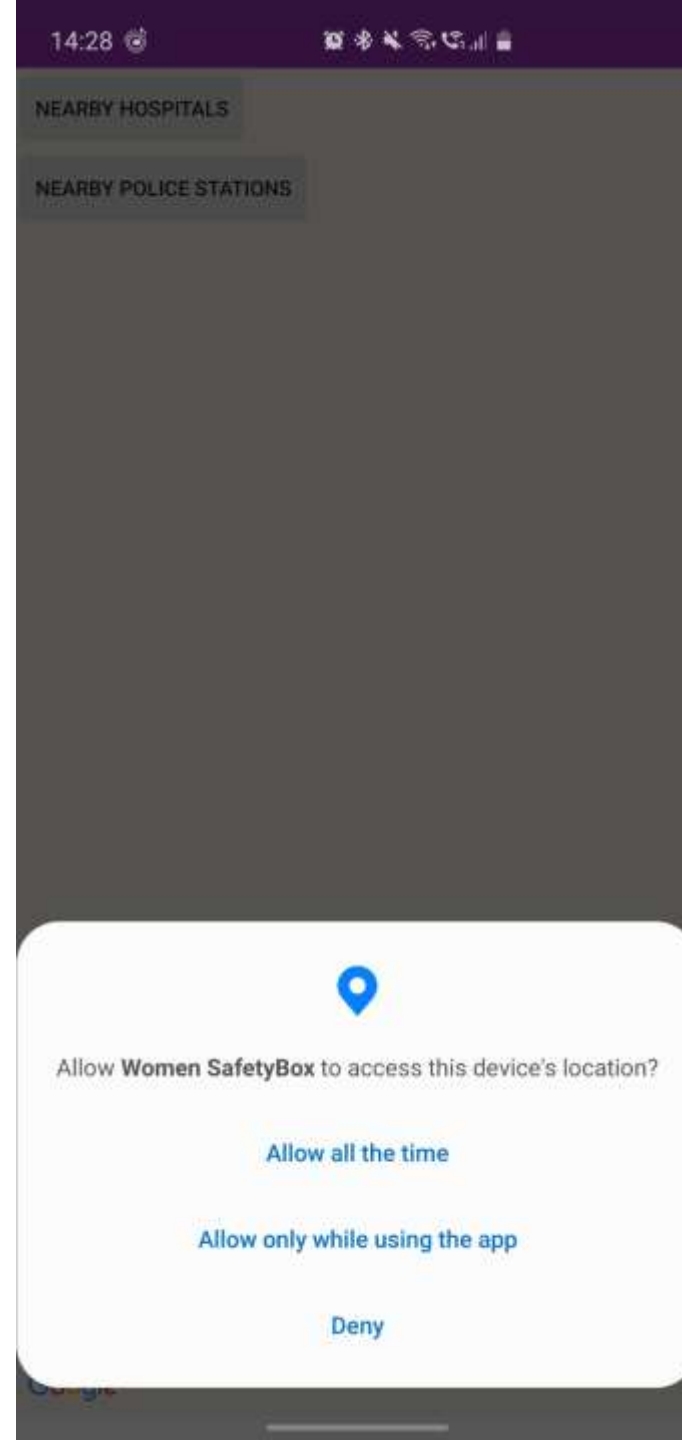
Display contacts

Here you can view your contacts which you saved prior in the register my contacts



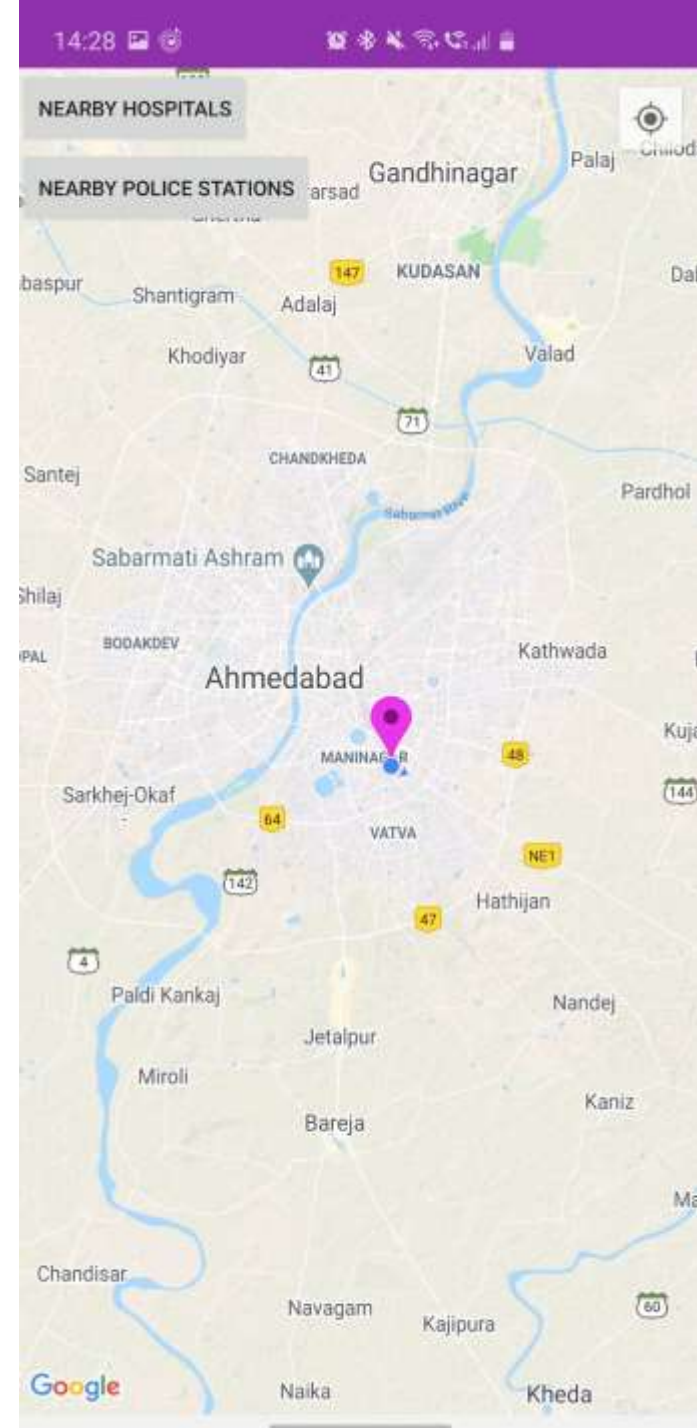
Allowing location

When you open the nearby places first you have to allow the application to receive the information regarding your location



Viewing the current location

Here you have 3 options to react with the page where you can view the police stations and nearby hospitals and re-center your current location on the left



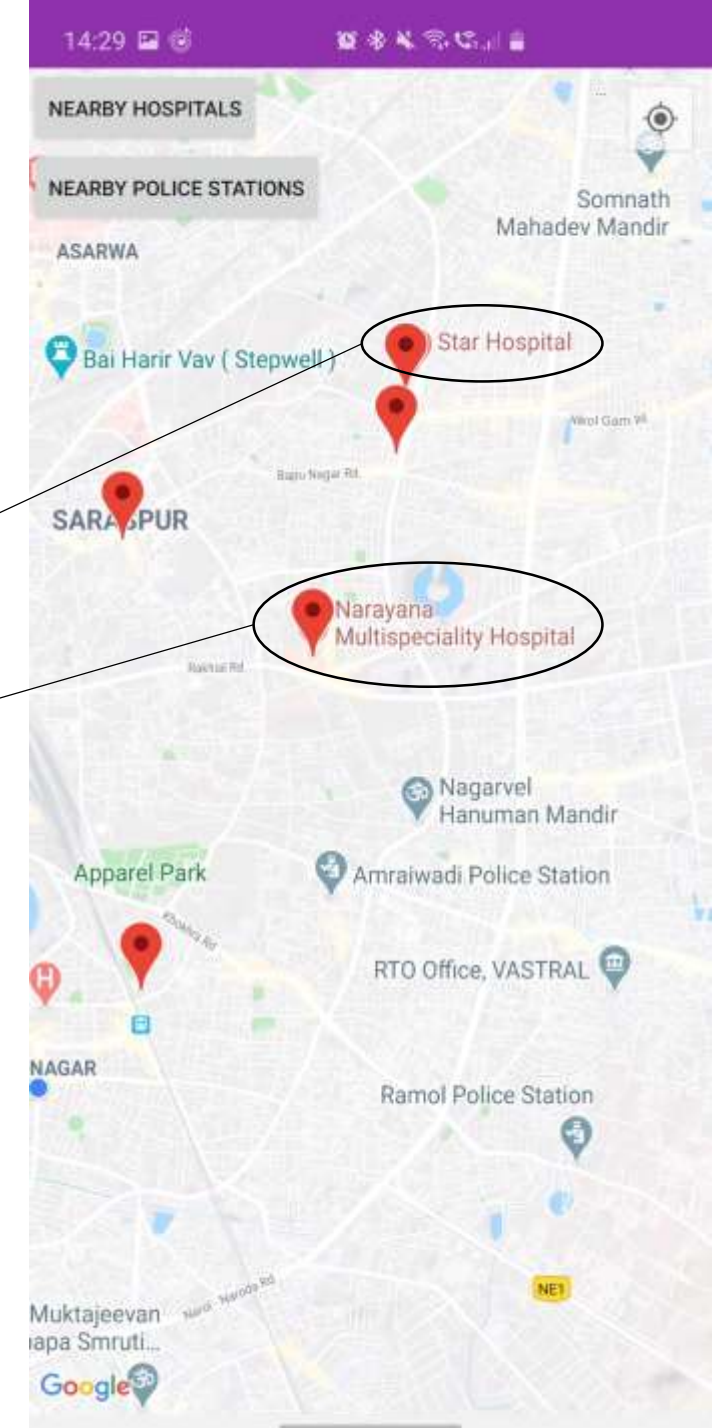
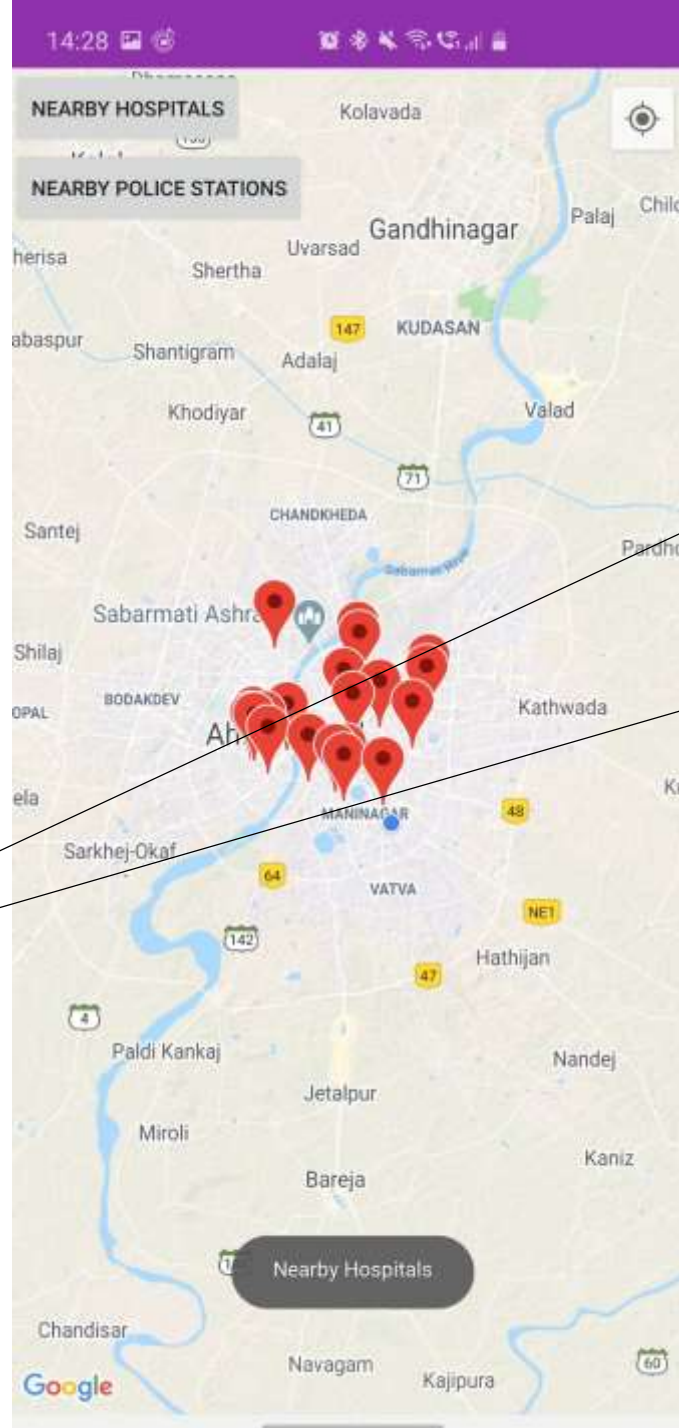
Viewing nearby hospitals

Here you will be able to view all the nearby Hospitals in your area

After zooming the map you can view the names of the hospitals

As you can see in the second picture where the names are highlighted

hospitals



Viewing nearby police stations

Here you will be able to view all the nearby police stations in your area

After zooming the map you can view the names of the police stations

As you can see in the second picture where the names are highlighted

Police stations



Safety tips

Here there are 2 types of informations such as first aid and self defence



Turning on the SOS button

This screen shot will show you the information about the starting the process and ending the process

1. The SOS button is not on and no process is running.

2. The SOS button is on and the process is currently running.

