Women's Safety Application

B. E. Computer Engineering

By

Deveshwari Pujari   Roll No.02   PID:172030
Sonali Bhoir   Roll No.20   PID:182252

Guide:

Name of the Guide
Prof. Rajkumar Shende.

Department of Computer Engineering
St. Francis Institute of Technology
(Engineering College)

University of Mumbai
2020-2021

Contents

Introduction:

This application is aimed at **helping women** and **maintaining their safety** as much as possible. Women safety matters a lot whether at home, outside the home or working place.

Most of the **females these days carry their smartphone** with them while working or travelling.

This is a user-friendly **application** that can be accessed by anyone who has installed it in their smartphones. Our intention is to provide the fastest and simplest way to contact the nearest help in case of any emergency.

Problem Definition:

Women can use technology at hand - their smartphone applications to protect themselves in case of any dangerous or emergency situations . The app has services that can help women in trouble by simply activating triggers to send information through notifications during the incidents by pressing the volume button on the device. The victim's trigger will be followed by message to added relatives and helpline numbers.

Proposed Solution:

- In this system users need to feed relatives and their contact numbers that will be added to the database.
- Other helpline numbers- Women in Distress, Domestic Abuse, Police, Student/ Child Helpline, Ambulance are presaved.
- In case of emergency a trigger can be activated with a 5 second press of the volume key button.
- How to use the App guide is also added in the app.
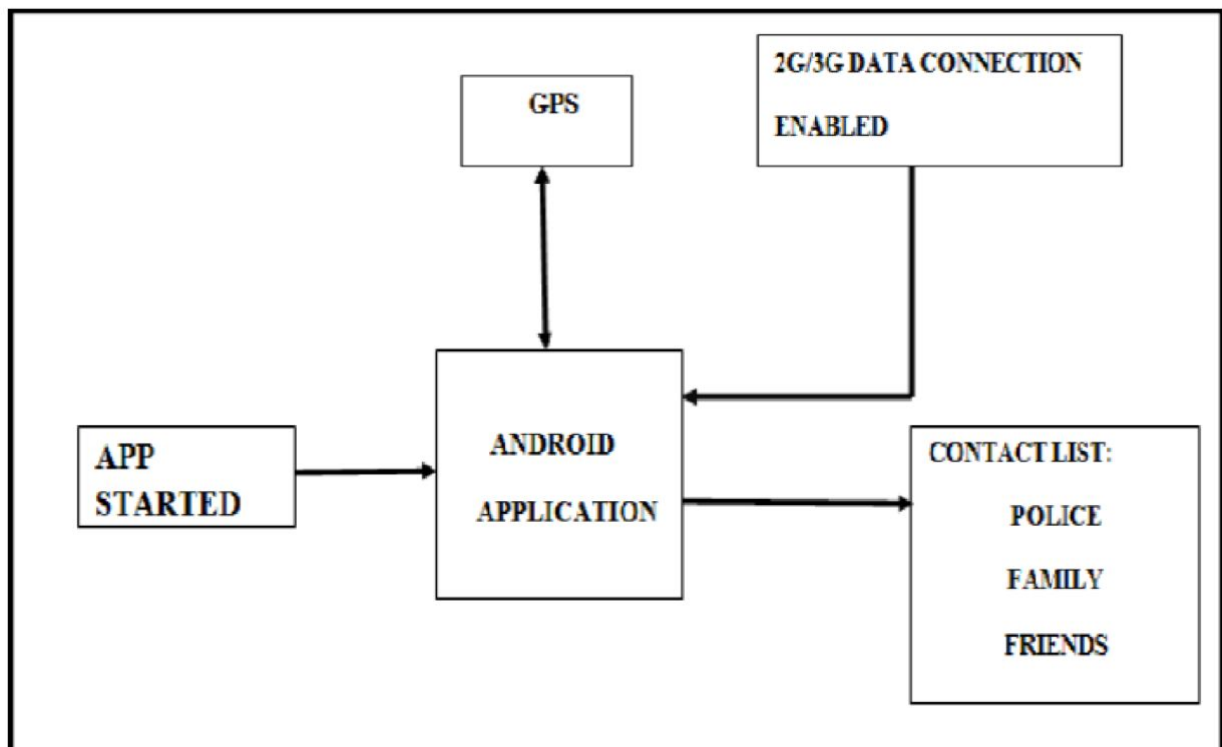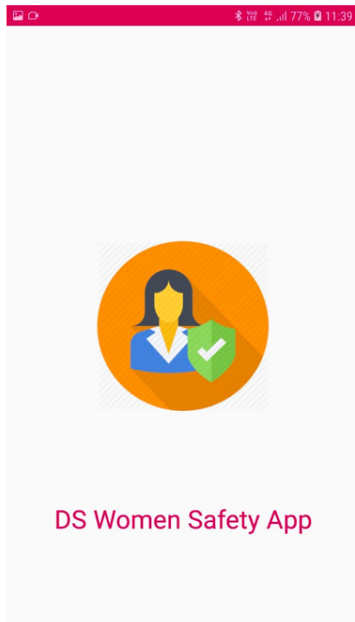- This feature for both everyday safety and real emergencies, makes it an ultimate app for safety of Women.
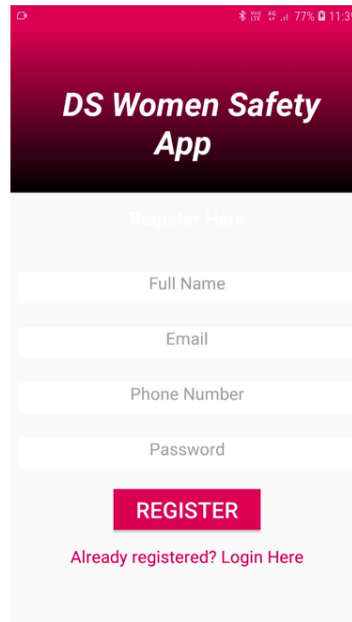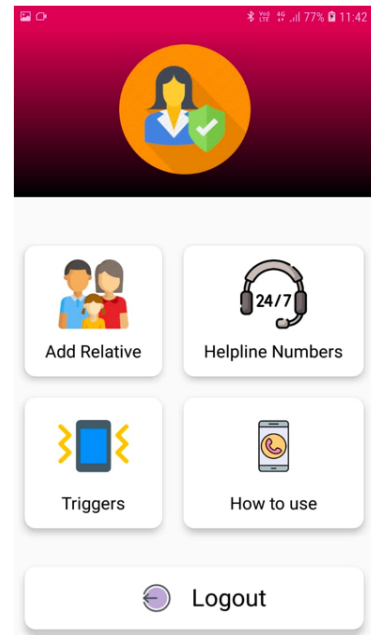

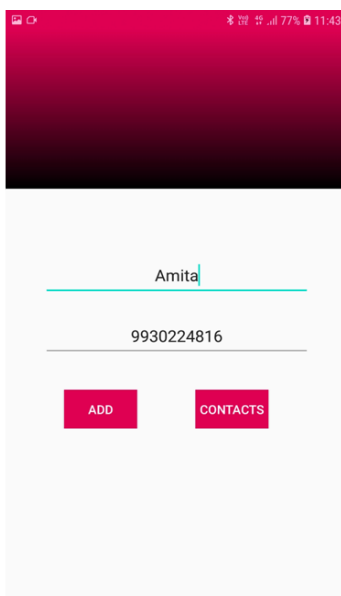Fig 1: Working flow of "Women's Safety App"

User Interface Design:

Img 1: Splash Screen
with App logo

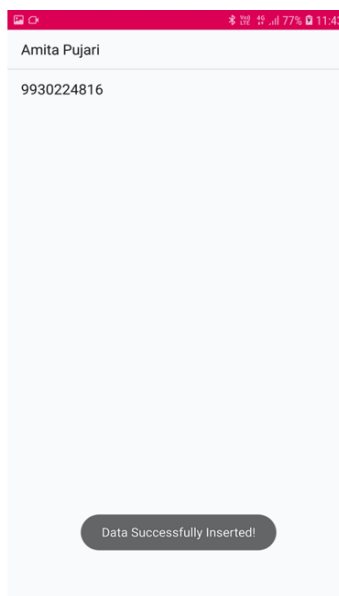
Img 2:Register Page
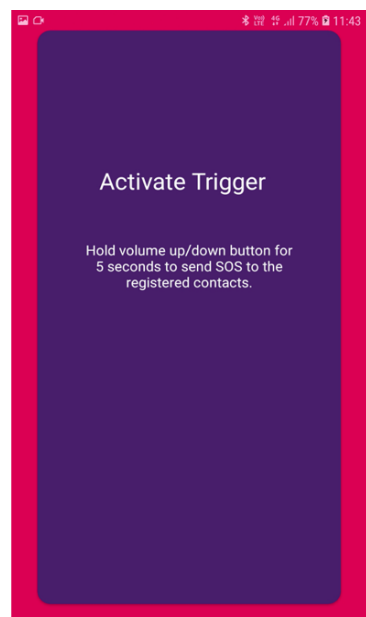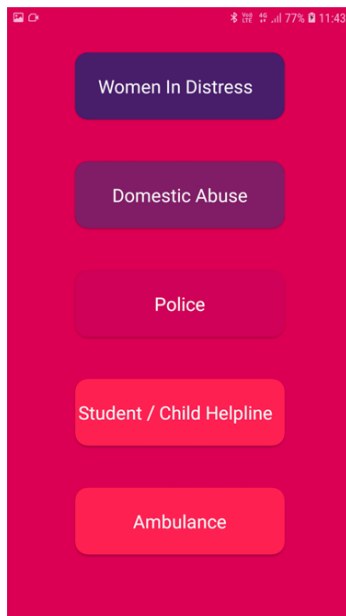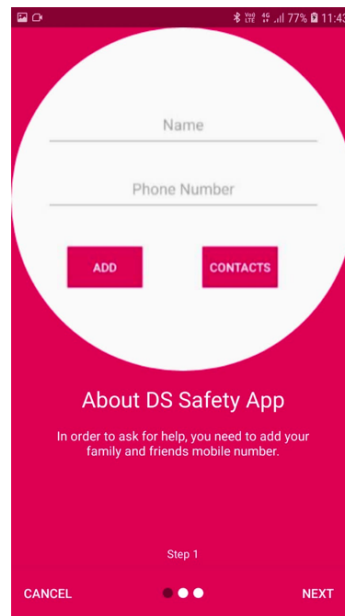

Img 3: Home Page

Img 4: Relative Contact
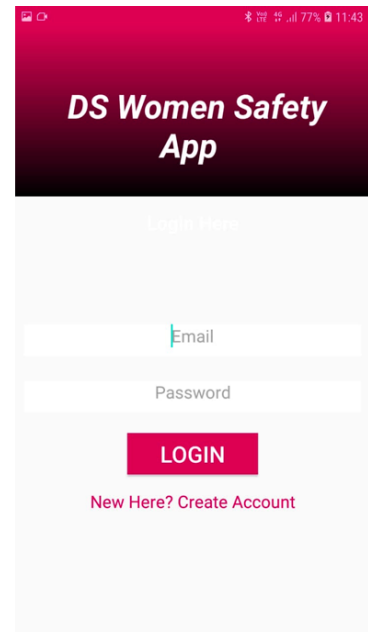Page

Img 5: Contact inserted
in database

Img 6: Trigger

Img 7: Pre-Saved
Emergency Contact Nos.

Img 8: App Guide

Img 9: Logged Out

Conclusion:

In this mini project, we successfully built a mobile android application on " Women' Safety" using Android Studio, Java as a programming language and Firebase as a Database. We learnt the use of various inbuilt layout widgets and user defined stateless and stateful widgets. We learned to link a database to our application to store locations of users in Firebase.

Women's Safety App is a very useful application mainly during such challenging times for everyday safety and real emergencies. When women feel that they are in an emergency situation, for example travelling alone in the Auto/Cab at night time they can use this application ,so that on pressing the volume key button a message can be sent of the location to the family members and to any police stations. We made a simple, fast and cost efficient app that can be used to avoid crimes in dangerous situations.