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B-SAFE A WOMEN SAFETY APP USING JAVA

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Abstract : With the help of constantly changing Internet technology, we can now stay in touch with anyone and almost any corner of the world. The same widespread Internet network can be used to help people who need it urgent. The phrase "Violence against women" is a technical term used to collectively refer to acts that are primarily or exclusively committed against women to harm them. Woman security is a critical issue, and it is much needed for every individual to act over such issue to safeguard them. When safety and security is concerned, a smart phone can become a powerful tool to prevent violence against women. This project strives to create an android app which can help to protect women in any situation she might face in her day-to-day life. We have created a simple Android application which comprises various safety measures which can be used by women with a few clicks on the screen, to get quick and easy access to help or to avoid and escape a harmful situation.

Keywords : Women safety app, Siren, SOS, GPS.

I. INTRODUCTION

In today's world, women's security has become a major issue. Women face harassment whether they are in educational institutes, at their work or even at home. Many women are afraid of going outside their safe zone. As the rate of such crimes against women keeps increasing, the freedom of women is decreasing. Critical situations can arise at anytime, anywhere. At such times, an android application which can help the women in need to get help or escape a situation as easily as possible.

The basic problem with the police handling of these occurrences is that they are not always able to respond swiftly to distress calls. These limitations include not knowing the location of the crime and not knowing the crime is occurring at all: it is difficult for the victim to call the police confidently and quietly. To aid in the removal of these prohibitions. This article presents the Women's Safety Application, a smartphone app that provides a reliable way for women to call the police in an emergency. Women who are victims of abuse are often denied basic human rights. Gender-based violence has become a national and global issue as a result of decades of civil society activism, assisted by women's organizations.

Despite the fact that each country has an extraordinary number of laws against domestic violence, sexual assault, and other forms of violence to protect its female citizens from such abuse, enforcing these laws is extremely difficult. As a result, society becomes unjust and insecure for women, with the great majority of criminals going unpunished. We should all strive together to make the world a safer place for all women so that they can live in equality and justice. In asexual act of aggression, the aggressors feel secure in their power. To protect themselves against oppressors, female defence techniques must be modernized by combining current technology and technologies.

This device is dedicated to all women who deserve to live in a safe and secure environment. If the necessity arises, an Android application for women's safety can be initiated with a shaking device. This program recognises the location of a location using GPS and sends a message to the registered contacts with the location URL, to assist the person in a dangerous scenario. The program's unique feature is that it sends a message to the registered contacts. Continuous location monitoring information through SMS assists in quickly finding the victim's whereabouts so that they may be safely rescued.

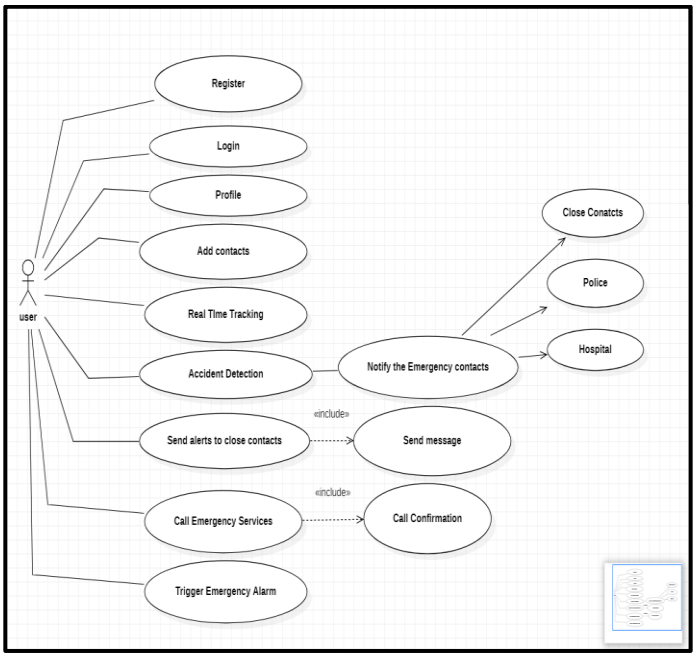
II. LITERATURE REVIEW

The women have to dial a number to call 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. So, we attempted to create an instant action application service that can make quick decision by simply shaking the device 3 times and sends the current or

last location of your device. There are some App available with some similar service but we tried to create a database service which is linked at police headquarters so the police can track the location and reach that place quickly rather then Guardian taking action after viewing the SMS.

III. METHODOLOGY

A] USE CASE DIAGRAM.



B] ALGORITHM DESIGN.

Step 1: Go to Launch Page.

Step 2: Login providing valid email address and password. If not registered user, then "NEW USER? SIGNUP".

Step 2.1: In case is not a registered user then register by entering name, valid email address, password, emergency contact number.

Step 3: From the login page by entering valid email and password go to the functionality page.

Step 3.1: There are four options available their **contact, SMS alerts, Basic laws, Self Defence**

Step 3.2: In contact session you can add your trusted guardian no. and then start the SMS alerts option to provide the live location of your device and in Basic laws there are latest laws available for women rights by government, the self defence session provides you some safety precautions defence that can use in certain situation.

Step 4: when the user is in trouble and if he/she shakes the device 3 times the current location or last location will be send on your respected trusted guardian phone no.

Step 5: The location is send throw to the SMS message format by which the trusted guardian will take the further action in case certain scenario occurs.

IV. RESULT AND DISCUSSION

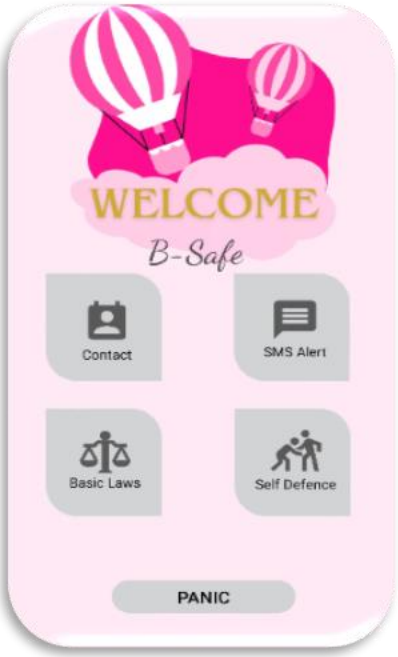
This chapter includes working model of are project.

- ✓ **The Start Screen:**

When the user opens the application, this screen starts the application with a start button.

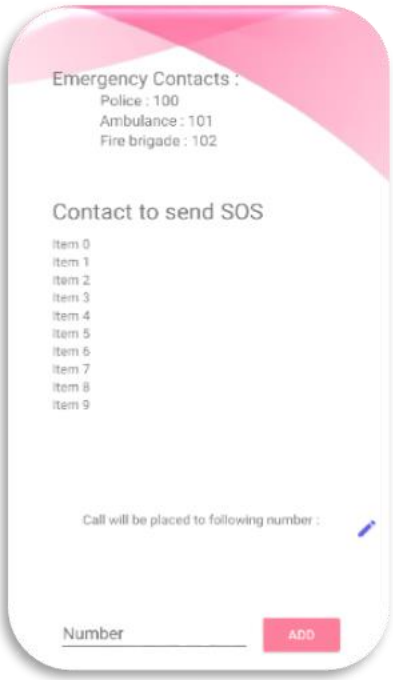
- ✓ **Home Page:**

The features are being displayed on the home page for the user to use.



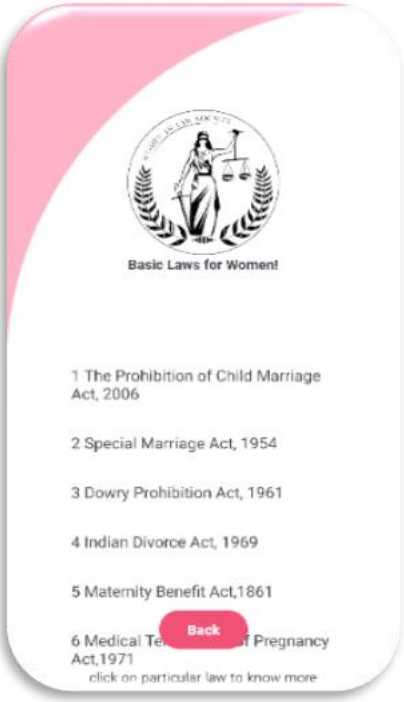
✓ **Add Contact Page:**

User can add his trusted contacts and the emergency contacts are being provided on the page.

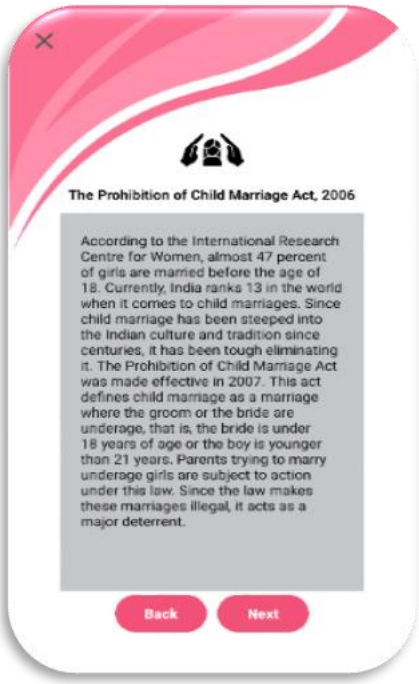


✓ **Law Displayer:**

Women rights are being displayed on the page and on clicking on each right a brief description is being written which shows the laws provided or made for women by government.

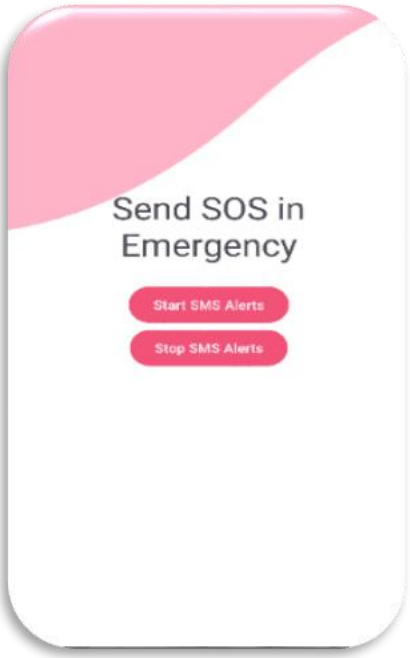


✓ **Law Page:**



✓ **Alert Page:**

On clicking on the Start sms alert the alert service is being started, the sos runs in the background even if the application is closed.
On the starting of the service alert messages are being send to the added contacts. On shaking the mobile a siren is being ringed for the safety purpose.
The stop sms alert button stops the service.



V. CONCLUSION

In today's world safety is the major concern of everyone. Many headlines still coming across like rapes, molestation, sexual assault, Murders, Kidnapping, Accidents are still happening in today's generation. Around 80 percent of women and Children

are losing confidence and are afraid toward the realization of freedom. So, we are trying to contribute little efforts toward safety of people which will ensure the safety so that everyone can live peacefully.

Concerning the safety issues, we are introducing the B-SAFE APP (Safety App) which can immediately notify any mishap happening with the user. This mobile application is very much helpful for anyone. In this application first user will added people and is called mediator.

When any person is in dangerous situation then he/she press power button 3 times continuously or the person can shake the mobile 3 times LEFT and RIGHT which sends the alert notifications to the mediator. Then mediator get the message with location.

This application not only helps in live tracking of the location of the victim through GPS but also alerts the trusted contacts mentioned in contacts list in the app.

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.

VI. ACKNOWLEDGEMENT

We feel immense pleasure in submitting this report on "B-SAFE A WOMEN SAFETY APP USING JAVA". While submitting this report we avail this opportunity to express our gratitude toward all those who have guided and helped us in this task successfully Heading the list is our honourable Principal Dr. G.D. Giri who is a beginner of our inspiration.

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