

SHAKTI (WOMEN'S Safety App)

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Abstract: *Shakti - Alert Application People utilizing advanced cells has filled quick in the present culture, thus a PDA can be effectively utilized for individual security or different sorts of insurance. The horrendous offences against women happening has stirred us to the need of tending to somewhere safe issues, and thus, a plenty of new applications have been created to give ladies assurance frameworks through their mobiles. Assuming that the need emerges, this Android App for Women's Safety and Security can be initiated with a click. A click on this application perceives the area of an area utilizing GPS and communicates something specific with the area URL to the enrolled contacts, as well as bringing the main enlisted contact to help the individual experiencing the same thing.*

1. INTRODUCTION

Women security is a major cause of worry in India, and they ought to abstain from going out alone after 12 a.m. or heading out to a remote spot. Because of the way that ladies are genuinely more vulnerable than men, help ought to be accessible. Subsequently, a client's PDA might turn into their closest companion, permitting them to alert their loved ones about the situation they are in whenever of day or night. This helps with finding and informing assets that can help the client in getting away from hazardous circumstances. This diminishes risk, empowers us to get help when we are out of luck, and helps us in finding the person who is in a harmful situation. The Android SDK contains the vital devices in general and APIs for creating Android applications utilizing the Java programming language. Women in trouble use power button capacity to start the caution to contact rundown to work the application and settle on essential telephone decisions. People can utilize it to send short instant messages from their mobile phone.

2. MOTIVATION

In this day and age, women are making up for lost time to men in each part of their lives, yet to the detriment of being exposed to mishandle, badgering, and viciousness in broad daylight and even at home. They can't leave their homes whenever of day, wear anything that they pick, or go to work without being irritated. Ladies are exposed to a sort of repression, which denies them of their freedom, yet in addition breaks their certainty and dreams.

3. PROBLEM STATEMENT

In India, the offences against ladies have rose quickly in span of couple of years. despisal case records of Women Physical and Mental provocations. To handle such examples, there are a very few versatile applications are there yet their success rate is low. For that we are making an application that is useful in such critical times as it utilizes power button capacity to recognize in the event that the individual it is protected or not to utilize the gadget.

4. PROBLEM DEFINATION

India has history of all types of sexual double-dealing, positioning among the most horrendously awful concerning culpability. Women are always on their toes as they encounter such situations on our regular basis. Every woman faces situations like lewd behavior, stalking, abuse, harassment, dangers and dread. The major problem in such situations is to figure out how to protect the wellbeing and security of ladies.

5. EXISTING SYSTEM

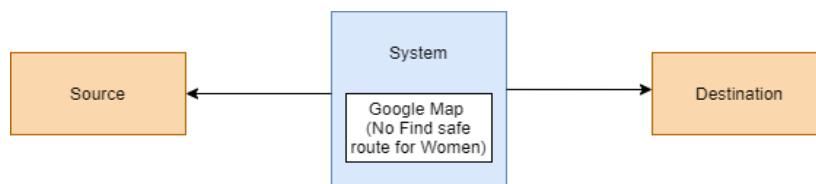


Fig 1:-System

6. SYSTEM ARCHITECTURE

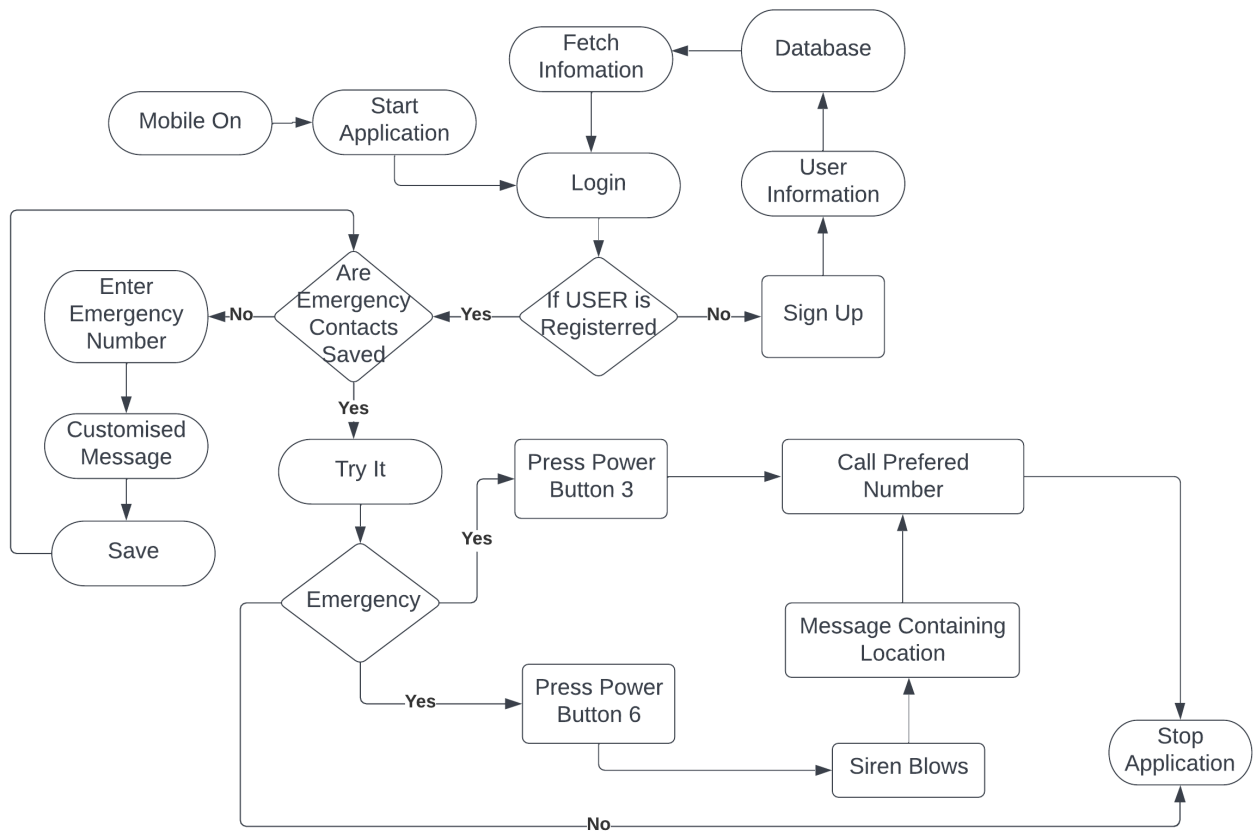


Fig 2:-System Architecture

7. PROPOSED SYSTEM

7.1 METHODOLOGY

The structure incorporates parts that address a fast responding, cost-effective system for an individuals, especially for females, by which a woman in trouble could demand help just by using their mobile and the program will become dynamic in the wake of talking the catch. The self-preservation system for ladies' security is like a refined ladies' application.

7.2 ALGORITHM

Algorithm:-

Step 1: START

Step 2: User Registration

Fill Required Data Fields

Step 3: a) USER Name

b) USER Email Address

c) Password

Step 4: Login

If (New USER)
Then Go To Step 2
Enter USER Name and Password
If (Field is Empty)
Then Throw a Warning
If (Field is Not Valid)
Then Throw Warning
If (Matches)
Open Home Page

Step 5: If (New User)

Select Demo To Understand Applications
Function

Step 6: Choose SOS Alert Option

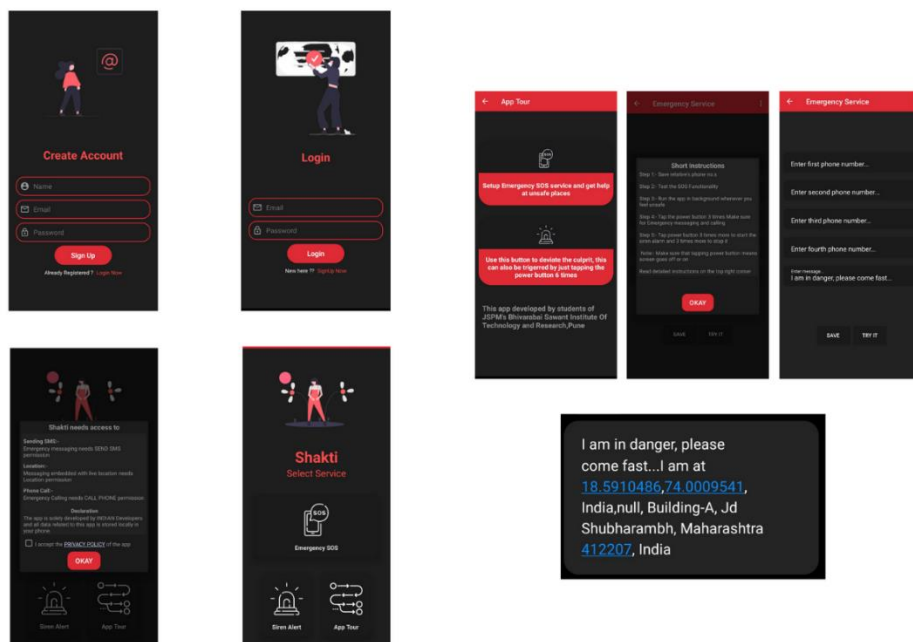
To Enter 4 Trusted Numbers With a Customised
Message
Save and Give it a Try

Step 7: Press Power Button 6 Times It Will Trigger Alert

Message And The Preferred Number Will be dialed And Siren Starts to Blow

Step 8: Stop

8.RESULT



8. ADVANTAGES, LIMITATIONS &APPLICATION

8.1 ADVANTAGES

1. It is both safe and easy to use.
2. It is useful for people of all age groups, gender, class.

8.2 LIMITATIONS

1. To use this program, you must have an active internet connection as well as cellular connection.
2. The user must enter accurate data; else, the device will fail to operate properly.

8.3 APPLICATION

- [1] When a lady is in distress, she can activate this software by just pressing power button thrice.
- [2] This software recognizes the situation you are in and alert phone numbers you specified by sending personalized message containing your current location and giving them a call.

9. FUTURE SCOPE

Our Future Scope remembers continuous execution of the proposed framework for a little bundle with extra parts like a heartbeat sensor for constant checking of ladies' pulses by estimating varieties in blood volume in tissues and investigating different heartbeat boundaries for individual ladies.

10. CONCLUSION

This versatile application is profoundly valuable for any lady. Since, in such a case that a woman ends up in a risky situation, she can essentially use this application to caution her gatekeepers. Essentially tapping the application settles on a decision to the primary added gatekeeper number, making them aware of her risk and sends an area location through message to all saved contacts. We can use our cell phone application to caution individuals at home about the wellbeing of an in their home.

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