

Women Safety Using Android

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Abstract: *Women Safety Security System-Alert All Chat Application In today's world, people using smart phones have increased rapidly and hence, a smart phone can be used efficiently for personal security or various other protection purposes. The heinous incident that outraged the entire nation have wake nus to go for the safety issues and so a host of new appshave been developed to provide security systems to women via their phones. This Android Application for the Safety of Women and this app can be activated this app by a single click, whenever need arises. A single click on this app identifies the location of place through GPS and sends a message comprising this location URL to the registered contacts and also call on the first registered contact to help the one in dangerous situations. In the modern society, a girl's primary concern is for her protection and safety. A few years ago, a lady had to use the social media system to express her outrage and serve as a warning to others about sexual harassment that she had experienced. According to a report, of people must endure sexual harassment against their will. In public spaces, at work, and at home, the percentages, and respectively. Police caseloads are initially a big problem, but there are other issues as well, such as not knowing the victim's precise location or whether the crime was committed at all, and when there is insufficient proof, the police cease their investigation.*

Keywords: Women Safety Security System

I. INTRODUCTION

Ladies security is a significant issue in India just as other isn't safe for ladies to travel forlorn at 12 PM or pondering an obscure spot. There ought to help hand for ladies since they are not physically solid as men. As this time cell phone can be the closest companion of client and client can remain in contact with their cherished one whenever. Anyone needs to make a call or communicate something specific in crisis at whenever from anywhere.

We introduces an app which ensures the safety of women. This helps to identify and sms on resources to help the one out of dangerous situations. This reduce risk and bring assistance when we need it and help us to identify the location of the one in danger. The Android SDK gives the instruments and APIs used to create applications on the Android stage utilizing the java programming language. Ladies in crisis use voice-based contact list, they can work the application through voice and make the call when required. It permits sending short instant messages between cell phone gadgets. Voice acknowledgement is the fundamental procedure of this application.

1.1 Motivation

In the present scenario, women are keeping pace with men in every walk of life but unfortunately at cost of being subjected to abuse, harassment, and violence in public and even at their own houses. They cannot step out of their houses at any time of the day, cannot wear clothes as per their will, nor can they even go for work in peace. There is some kind of inhibition that women are subjected to which not only takes away their sense of freedom but also shatters their confidence and dreams.

II. LITERATURE SURVEY

Paper Name : SURVEY ON WOMEN SAFETY DEVICES

Authors : Ramya K1, Vimal T2 .2020

Description : Today in the current global scenario, women feel less secure to go outside. They facing so many consequences in this independent world. Here, we are focusing on as scenario where the women walking alone in the road faces harassment either from the front or back side during day or nighttime. To overcome these issues, we have

developed a smart portable device which can track the current location of the victim. When they feel in secure, their heartbeat increases which can be measured by the pulse sensor and their stress level is monitored

Paper Name : Design of a Smart Safety Device for Women using IoT Authors : Wasim Akram, Mohit Jain, 2019

Description : Not safe anywhere and are most vulnerable when traveling alone into lonely roads and deserted places. Existing hand held safety devices for women require human intervention for activating the device such as pressing the button or shake the device etc. after sensing the danger. We propose a solution which will try to overcome the disadvantages of the existing systems and also aim at providing false proof safety to women.

Paper Name : Analysis of Women Safety in Indian Cities Using Machine Learning on Tweets Authors : Deepak Kumar¹, Shivani Aggarwal² year-2019

Description : Women and girls have been experiencing a lot of violence and harassment in public places in various cities starting from stalking and leading to sexual harassment or sexual assault. This research paper basically focuses on the role of social media in promoting the safety of women in Indian cities with special reference to the role of social media websites and applications including Twitter platform Facebook and Instagram.

Paper Name : Credit Card Fraud Detection: A Hybrid Approach Using Fuzzy Clustering Neural Network

Authors : Tanmay Kumar Behera

Description : Vishesh Sharma, Yati Tomar, D. Vydeki Paper Name : SMART SHOE FOR WOMEN SAFETY

Authors : Vishesh Sharma, Yati Tomar, D. Vydeki

Description : The world needs to be concerned about the women around and treat the way they deserve to be treated. Despite having so many laws for women, it doesn't stop thieves, assaulters or molesters to abuse women

Paper Name : SURVEY ON WOMEN SAFETY USING IOT

Authors : B.Sindhu Bala¹, M.Swetha², M.Tamilarasi³ and D.Vinodha⁴

Description : Nowadays women are facing many security problems in the society. In such cases, they feel handicap and need help to protect them. Even though many technologies have been introduced for women still kidnapping, eve teasing and sexual harassment are taking place in our country. When the women face in to unsecured situations, to ensure the safety, automatic detection system needs to establish

IV. PROBLEM DEFINATION AND SCOPE

Problem Statement

One of the biggest issues women face online is trolling. Can a system be developed where this can be controlled as well as there is a data intelligence to collect information about trollers and report them accordingly? The problem is to identify the bots, and identify the trolls written in languages other than English. Another challenge is to address the language part, as Romanization (English etc.). Solution should be able to identify trolls preferably in two languages Hindi and English and then aspire for local languages. It should also be able to carry out historical analysis and predictive analysis based on the tweets or posts so the troll's intelligence can be used constructively for predictive use.

Goals and Objectives Goal:

Women's safety involves strategies, practices and policies which aim to reduce gender-based violence (or violence against women), including women's fear of crime. Objectives: Identifying and delivering campaigns to end violence against women and girls in all forms in Lewis ham working in collaboration with others to tackle violence against women and girls in Lewis ham Protection against bad people.

Statement of Scope

To provide the security to the women from the strangers at any situations. In this system user needs to feed three contact numbers, in case of emergency 9 on moving the phone up and down thrice, the systems ends SMS and calls on one of the numbers feeded into the system with the location.

Software context

User must require the java.

User has to install the android on his pc. User has to login to the system.

User has to their account details feels secure

Major Constraints

Database: A women how stored the registration these data fetch from the database.

User: User do the registration on the system for feel secure, also user has camera, location details of theirOwn accounts and receiver accounts.

System: detect where the person is located.

Applications

Android : Android is a mobile operating system based on a modified version of the Linux kernel and other open source software, designed primarily for touchscreen mobile devices such as smartphones and tablets. Android is developed by a consortium of developers known as the Open Handset Alliance and commercially sponsored by Google. 10 It was unveiled in November 2007, with the first commercial Android device, the HTC Dream, being launched in September 20. It is free and open-source software; its source code is known as Android Open Source Project (AOSP), which is primarily licensed under the Apache License. However most Android devices ship with additional proprietary software pre-installed, most notably Google Mobile Services (GMS)[15] which includes core apps such as Google Chrome, the digital distribution platform Google Play, and associated Google Play Services development platform

Android Studio:

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, mac OS and Linux based operating systems or as a subscription-based service in 2020.

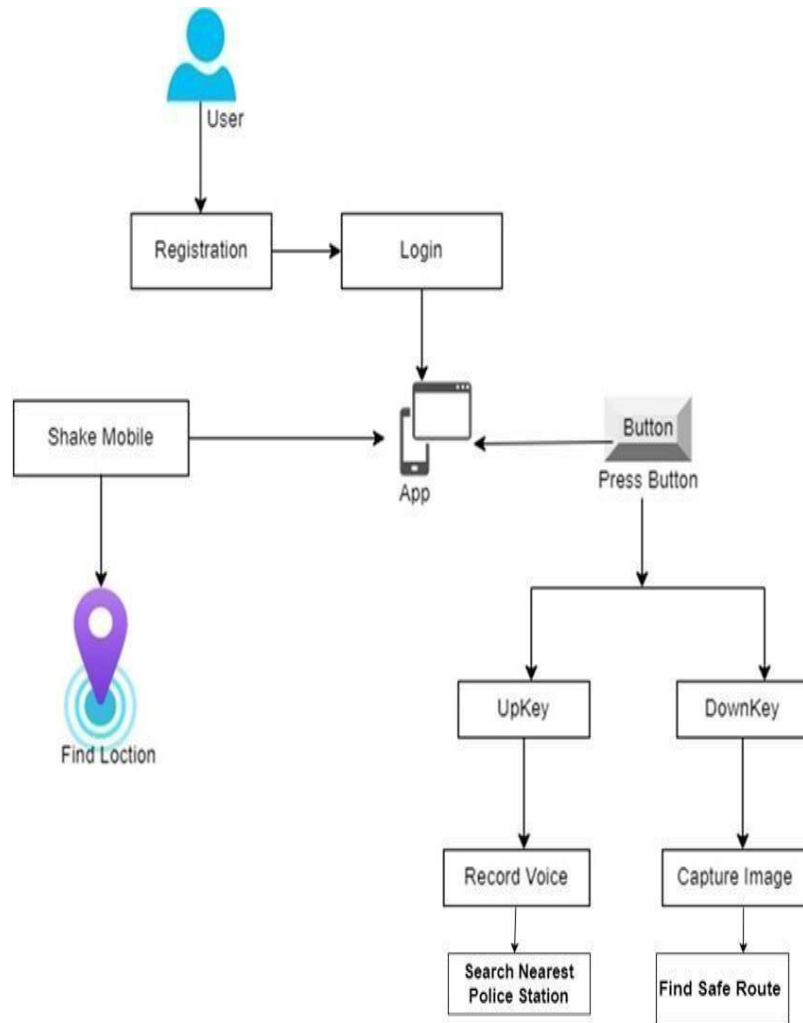
It is a replacement for the Eclipse Android Development Tools (E-ADT) as the primary IDE for native Android application development. Android Studio was announced on May 16, 2013 at the Google I/O conference. It was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which was released in June 2014.[11] The first stable build was released in December 2014, starting from version 1.0. On May 7, 2019, Kotlin replaced Java as Google's preferred language for Android app development.

Analysis Model

We are using waterfall model for our project.

- **Requirement Gathering and Analysis:** In this step of waterfall we identify what are various requirements are need for our project such are software and hardware required, database, and interfaces.
- **System Design:** In this system design phase we design the system which is easily understood for end user i.e. user friendly. We design some UML diagrams and data flow diagram to understand the system flow and system module and sequence of execution.
- **Implementation:** In implementation phase of our project we have implemented various module required of successfully getting expected outcome at the different module levels. With inputs from system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.
- **Testing:** The different test cases are performed to test whether the project module are giving expected outcome in assumed time. All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
- **Deployment of System:** Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.
- **Maintenance:** There are some issues which come up in the client environment. To fix those issues patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment. All these phases are cascaded to each other in which progress is seen as flowing steadily downwards like a waterfall through the phases. The next phase is started only after the defined set of goals are achieved for previous phase and it is signed off, so the name Waterfall Model. In this model phases do not overlap

V. SYSTEM ARCHITECTURE



VI. CONCLUSION

Java offers the real possibility that most programs can be written in a type safe language. However, for Java to be broadly useful, it needs to have more expressive power than it does at present. This addresses one of the areas where more power is needed. It extends Java with a mechanism for parametric polymorphism, which allows the definition and implementation of generic abstractions. The paper gives a complete design for the extended language. The proposed extension is small and conservative and the paper discusses the rationale for many of our decisions. The extension does have some impact on other parts of Java, especially Java arrays, and the Java class library.

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