



WOMEN CYBER SAFETY APPLICATION USING ANDROID STUDIO

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Abstract: This project includes a major topic of concern Women Safety in Cyberspace. The application provides a basic solution to the problem, by reporting the crime i.e., filing an online complaint through which the person committing the crime will be put behind the bars.

Keywords: application, Women, location, Safety

1. INTRODUCTION:

2. LITERATURE SURVEY:

BSAFE- PERSONAL SAFETY APP: This app is developed by Bipper Inc. On March 6, 2015. The app's motto is "Never Walk Alone". This app helps the user to create a gang of 'Guardians' and SOS message will be received by them when the user is in trouble. Also another good feature of this app is one of the guardians will also be called. The SOS message also includes location of user via GPS. The user can also enable the GPS tracker and let the friends know location at any time.

WOMEN'S SECURITY: This app is developed by AppSoftIndia. The key features of the app are: the user has to save some details. These details include: Email address and password of the user, Email address and mobile number of the recipient and a text message. Then, app is loaded as a "widget", so that when the user touches the app, it alerts the recipient. Another key feature of app is that it records the voice of surroundings for about 45 seconds and this recorded voice, text message containing location coordinates of the user is sent to the recipient mobile number.

3. METHODOLOGY:

3.1 Problem Statement:

Creating a Women Safety Application, especially in Cyber Space.

3.2 Scope of Project:

Scope of project is, it is an Android application and will be available to maximum users.

3.3 Need of Project:

As there are day by day increasing crime activities against women in cyberspace, And the victims don't have any platform where they can report the crime and feel safe of their identities, so this is a perfect platform where they can report the crime and their identities will be kept private.

3.4 Requirement Analysis:

Functional Requirements:

Easy registration process.

Easy complain process.

Non-functional Requirements:

Performance:

Easy processing of complain and then action on complain.

Reliability: The application will not be able to connect to the centralized database in the event that the server goes down due to hardware or software failure. The portal performs consistently without lagging use latest technology which prevents from lags and perform reliable and consistent.

Availability:

The application will be available to everyone, they can access the application wherever they want to but have hardware source is compulsory.

Security:

The application is totally secured from any kind of attack or malware and will always be secured to keep the identities of users private.

Maintainability:

Backups for database should be available on particular time basis and thus developers team already change according to loads or more user access at current patch up or access denied situation.

Portability:

The application is android application so it can be accessed in any android device. Thus if you fulfill the hardware requirement then there will be no issue regarding the portability.

3.5 Project Development Plan

1. Identifying the general purpose and timeline of the project.
2. Creating the context and establishing all the features of the project.
3. Considering the "SMART" goals (Specific, Measurable, Achievable, Relevant and Time Bound) before starting the project.
4. Collection of all the resources (software, APIs etc.) required for the completion of the project.

3.6 Process Model:

The design methodology employed for this application is using Spiral Model. This model is utilized in analysis, evaluation, planning and development.

It involves four phases:

Determine Objective:

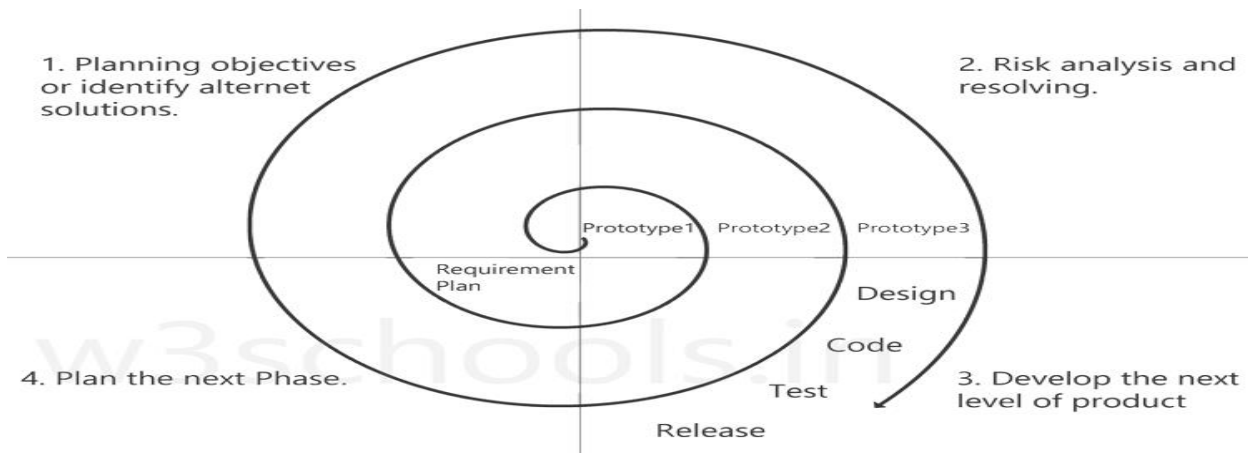
In first phase the objective is determined, that what user wants and what is main purpose of this application.

Identify and Resolve risks:

In second phase the task is to identify the risks which user as well as the application might face.

Development and Test: The third stage is development and test, in this the application is build and various factors are tested.

Plan the Next Iteration: The final part is planning the next task or work, this will continue till final desired output is achieved.



4. TOOLS AND TECHNOLOGIES:

Software Requirements:

Back-end:

Android Studio SQLite Database

Front-end:

Android Studio

Hardware Requirements:

Pc and smartphone

4 GB RAM and Dual-core Processor

5. RESULT:

According to the need of current scenario, this is a basic, easy to use, fast processing application and a different approach for cybercrime safety of women.

6. CONCLUSION:

The conclusion leads to the challenges to be faced, like to overcome the different attacks to be made on this application.

The application will be very helpful for women as most of the time the victim doesn't report any crime but through this application the identity of user will be kept private, so the crimes will be reported and proper action will be taken against bad guys and this will help in declining cybercrime rate against women.

7. REFERENCES:

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