

Human Safety Through Android App

¹Sneha Mehta, ²M. Vijay Sai, ³V. Manish Yadav*, ⁴T. Sai Teja, ⁵T. Sreevallabh,

^{1 2 3 4 5}Hyderabad Institute of Technology and Management, Hyderabad, Telangana, India.

*Corresponding Author: manu.vommi@gmail.com

Abstract

Developed an attack android application. It is designed for people who are under attack. They would press a button on their phone and it will gather their current location and start recording a 10 seconds video with sound. This will then automatically send the location and video straight to the police or friend. The application also can deactivate by the user using the security pin. This application builds for all the devices. It uses the live location, GPS, SMS, camera, E-mail. We have to add contacts and emails which the data can be sent. We are free to go anywhere at any time this application gives us the freedom. There should be some technique which can help the person from hazards. There should be some technique which can help the person from hazards.

Keywords — GPS Terminology, Audio Recording, GPS, Audio recorder

Introduction

Women are capable at mobilizing various groups for a frequent genesis. They often work across ethnic, nervous, arrogant, and intellectual divides to encourage collectedness. We are all aware of importance of women's safety, but we must identify that they should be well sheltered. Compared to men women's are not physically powerful, in emergency situation a helping hand would be a comfortable for them. The optimal way to decrease your chances of becoming a sufferer of violent crime (robbery, domestic violence, sexual assault) is to identify and call on resources to help you from unsecure situations. Whether you're in trouble or get separated from friends during a night out and don't know how to get home, having these apps on your phone can minimize your peril and bring assistance when you need it. Even if several were conventionally flourished for students to minimize the risk of physical attacks on schools, colleges, they are also suitable for all women. The recent violence in Delhi rape tremble the nation and awake us to the safety issues for our female offspring, public are gearing upbeat in different ways to fight back. A swarm of new apps have been developed to provide immunity systems to women on their phones. Here we introduce an app which ensures the security of all the women. This decrease risk and brings assistance when we need it and help us to identify location of the victim who is in danger. Developed an attack android application. It is designed for people who are under attack.

They would press a button on their phone and it will gather their current location and start recording a 10 seconds video with sound. This will then automatically send the location and video straight to the police or friend with the present location and GPS navigation. The application also can be deactivated within 5 seconds by using security pin.

The current women safety applications in the market have to push the button to send a message or email. This paper deals with recognizing voice change into text to send a message. The message consists of GPS location information of the user.

Our proposed system is an android application. In need of help in any situation of any gender. They would press a button on their phone and it will convey their current area and start recording a 10 seconds video with sound. It will then spontaneously issue live location and the area with video straight to the police or friend which is registered in the application. It is an android application that avails of the camera, SMS, email, contacts, GPS location and live tracking. It routes videos to a current area co-ordinate for use by police or friends. Pursuit is the phase of the project when the hypothetical design is hopped up into a working system. Thus, it can be considered to be the most dangerous stage in achieving an effective new system and in giving the user, confidence that the new system will work and be effective. The execution stage involves careful outlining, inspection of the existing system and its constraints on execution, designing of methods to achieve changeover and evaluation of change over methods.

This application helps the tracking of the root device through GPS which will help the law enforcement authorities to rescue the person in danger as quickly as possible from the disruptive component. For future materialization, this appliance can be integrated with the law implementation database (e.g.: city police control room database) rather than experimental database used in the project. Also, some further upgrade can be done when the mobile network is not available for the root device and also if the root device is switched off. Thus, this app can help in a big way to rescue the women or men from unsafe conditions.

Literature survey

The literature survey is the most important step in software development process. Before developing the tool, it is necessary to determine the time factor, economy and company strength. Once these things are satisfied, then next steps are to determine which operating system and language can be used for developing the tool. Once the programmers start building the tool the programmers need a lot of external support. As we know there are many languages existing in this world and making choice in all the languages. This support can be obtained from senior programmers, from a book or from websites. Before building the system, the above consideration is taken into account for developing the proposed system.

Architecture

The architectural design of proposed system shows the architectural design of Android. The intention or motivation behind the development of such a mobile application is to provide

security to at any time as there is a lot of crime against a human is happening day by day. The key requirement of this application is the GPS system.

The main feature of this application that can be opened or activated very easily. The first thing that the user wants to do is to save the contacts that victim would like to contact at the time of emergency. This list of contacts will be used to forward the alert messages and location details. So that a finger touch is enough to alert your recipient. GPS is used to get the live location details of the user. Audio and video recording is provided to enhance the safety by recording the audio/video for a duration of 10 seconds and it can be used as a proof. It will send an email to the contacts that we saved in the application.

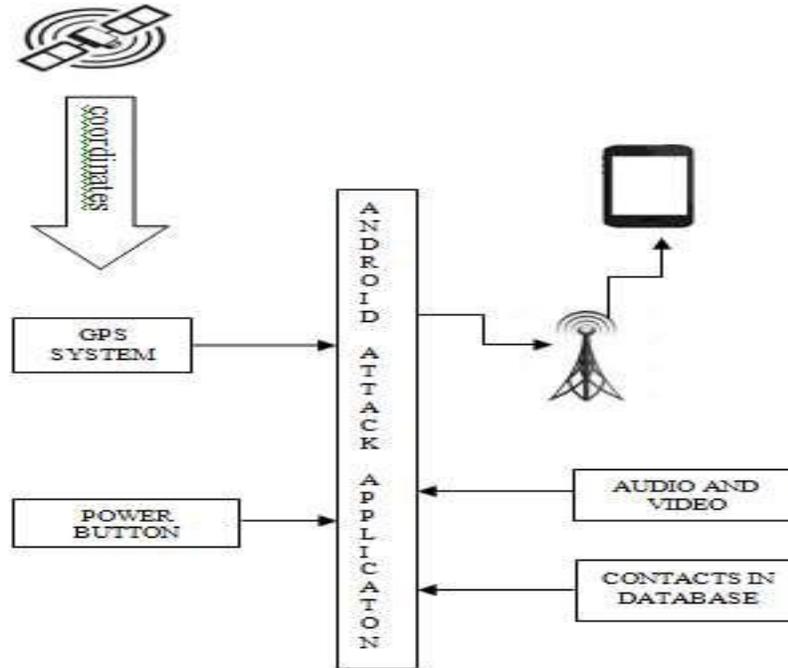


Figure 1: Network provider system

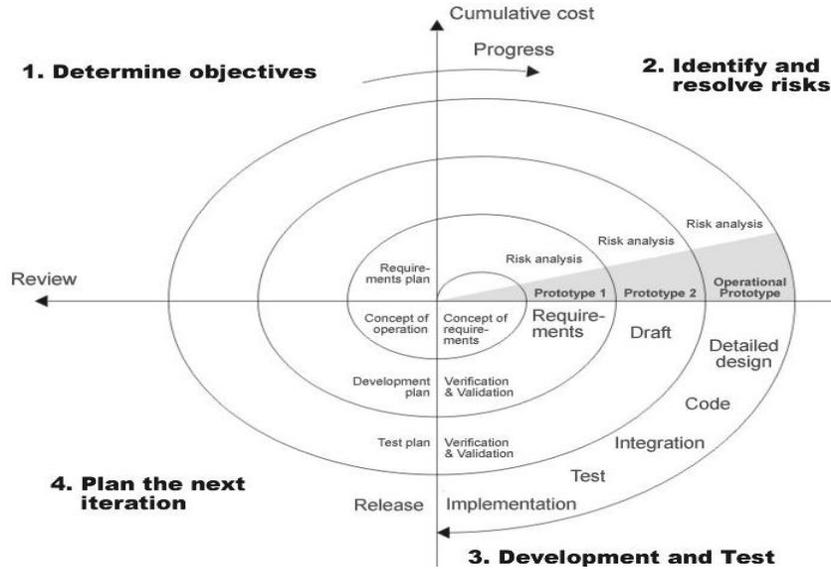


Figure 2: Project life cycle model

Comparison

ADVANTAGES	DISADVANTAGES
OPEN – ANDROID ALLOWS YOU TO GO THROUGH ALL THE DEVICES AVAILABLE.	SECURITY – AS WE HAVE SECURITY FEATURES. THE BLACK HAT PEOPLE WILL GET SOURCE CODE.
ALL APPLICATIONS ARE EQUAL – ANDROID DOES NOT DIFFERENTIATE BETWEEN THE PHONE'S BASIC AND THIRD-PARTY APPLICATIONS.	OPEN SOURCE – A DISADVANTAGE OF OPEN-SOURCE DEVELOPMENT IS THAT ANYONE CAN FIND THE SOURCE EASILY nowadays.
BREAKING DOWN BOUNDARIES - COMBINE INFORMATION'S FROM THE WEB WITH DATA ON THE PHONE SUCH AS CONTACTS OR GEOGRAPHIC LOCATION.	LOGIN – PLATFORM DOESN'T RUN ON AN ENCRYPTED FILE SYSTEM AND HAS A VULNERABLE LOG-IN.

FAST AND EASY DEVELOPMENT – THE SDK CONTAINS WHAT YOU NEED TO BUILD AND RUN ANDROID APPLICATIONS, INCLUDING A TRUE DEVICE EMULATOR AND ADVANCED DEBUGGING TOOLS.	INCOMPETENCE – GOOGLE’S DEPENDENCE ON HARDWARE AND CARRIER PARTNERS HAVE THE IMPORTANCE IN THE FINAL STAGES.
------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------

Conclusion

This is our first attempt at developing a mobile application which gave us a basic understanding of development and challenges of mobile application development.

The proposed system is designed to overcome all the drawbacks of the present system and to provide a better solution to provide human security. The preliminary experiments showed that our proposed systems will be able to identify insecure environments. Thus, it can be deliberated to be the most dangerous stage in realizing an effective new system and in giving the user, confidence that the new system will work and be effective. The execution phase includes cautious outlining, inspection of the existing system and its constraints on execution, designing of methods to reach changeover and evaluation of change over methods. It is our hope that the project will protect all human beings from those who would commit such despicable crimes.

Acknowledgment

It is pleasure for us to present our final project report on **“Human Safety through Android app”**. We would like to thank our internal guide P. Sneha and Prof. Dr. PushpenderSarao for giving to get our work done. By their valuable suggestions, we did our best.

We also show our sincere thanks to Mr. Venkatesh who had been guiding us into molding this project into a successful one.

References

[1] Munesh Chandra DIT, School of Engg., Vikrant Gupta R.K.G.I.T., Santosh Kr. Paul, R.K.G.I.T. —A Statistical approach for Automatic Text Summarization by Extraction, International Conference on Communication Systems and Network Technologies, IEEE 2011

[2] Samadhan R. Manore, Computer Science Department, Shivaji University. —Email Document Summarization Using Statistical Approach, International Advance Computing Conference (IACC 2009), IEEE 2009

[3] —Fightback, Android App Developed By Canvas M Technologies, 26 June 2013, "HTTP://www.fightbackmobile.com/welcome"

[4] —Guardly, Android App Developed By GuardlyCorp., 28 January 2014, <https://www.guardly.com/>

[5] —OnWatch| Android App Developed ByOnWatch, 10 November 2012"<https://play.google.com/store/apps/details?id=com.onwatch>".

[6] —Life 360 – Family Locator| Android App Developed ByLife360, 20 February 2014,"<https://www.life360.com/familylocator/>",

[7] —StreetSafe" Android App Developed ByPeopleGuard LLC", 24 September 2013,—<http://streetsafe.com/static-products-overview>