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Application of savior to save from emergency situations

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ABSTRACT

As we Indians always respect women and children from past. Now a days providing security to them is most important thing. As we concentrated on this situation, we hereby came up with idea of reducing these activities. Application which we have developed helps to save from Emergency Situations. In emergency situation user can able to register their complaint for help to rescue team to rescue them from that situation. It helps team to take necessary action depending upon the situation. By creating necessary awareness, we can create a good society for future. This small step towards reducing activities can able to make society free from illegal activities. The Application which we are came up uses location-based searching technique.

Keywords—Application, Emergency situation, Location based searching

1. INTRODUCTION

The objective of this paper is to protect women in great manner. Now a days providing security to women is most important thing. Focusing on this situation we came up with idea reducing those situations. This Paper helps to save from emergency situation. By creating awareness, we can form a good society for future. In emergency situation we can register our complaint through this application. we can also provide medical facilities for persons in emergency situation. The medical facility may consist of emergency kit facility [1].

2. PROBLEM IDENTIFICATION

Every year there is a drastically increase in crime rates in country. Sometime which leads to most dangerous accident. which may result in losing hope towards security of them. To overcome this problem, we are developing Android application “Application Of The Savior To Save From The Emergency Situation” this application helps user to get help from emergency situation.

2.1 Scope of the paper

The goal of our paper is to help user from any emergency situation when they requires any help in most emergency situation . It may able to provide by using accurate GPS location of mobile device of user .

2.2 Objectives

- To rescue the person from the emergency situation.
- To provide necessary treatment in emergency situation.
- To take necessary action in peak situation.

3. RELATED WORK

Looking at the present increasing in crime rates of the country. Reducing them is the main aim of this paper. This application may useful in saving user from any emergency situation.

3.1 Pros

- Reduces crime rates in country.
- Reduces accidents.
- Messages will be sent automatically.

3.2 Cons

If no internet location cannot be able to send.

4. IMPLEMENTATION AND MODULES

4.1 Existing System

The present existing system is carried out by either by medical or rescue team only. Which may sometimes lead to difficulties for he/she. Sometimes it may be big problem to them.

4.2 Drawbacks

- (a) More time is wasted in approaching of required team.
- (b) Sometimes more energy is required.

4.3 Proposed System

The proposing system “Application of savior to save from emergency situation” Application overcomes present existing system. Here user can able register his/her complaint. The proposing system makes use of GPS system to track location of user.

4.4 Methodology

(a) LEVEL-0 Data flow diagram

A level 0 data flow diagram is also known as context diagram, shows a data system as a whole and emphasizes the way it interacts with external entities.

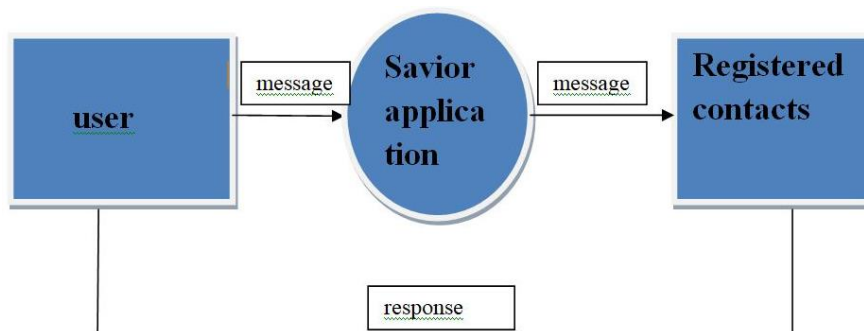


Fig. 1: Level 0 Data flow diagram

The data flow diagram consists of two actor’s user and registered contacts. The user will initiate message to the process called Saviour application and the initiated message will be further sent to the registered contacts. Once the message has been received by the registered contacts an acknowledgement will be sent back to the user again.

(b) LEVEL-1 Data flow diagram

A level 1 data flow diagram indicates all separated external modules, relationship between those modules and the application.

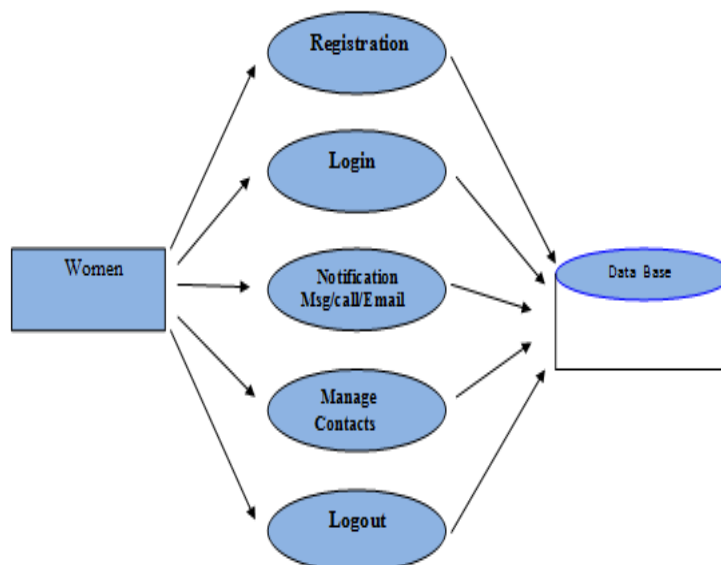


Fig. 2: Level 1 Data flow Diagram

Here all the sub processes that are taking place between the user and data base have been shown in the figure. The sub processes are registration, login, notification(message) manage the contacts and logout.

(c) UML Diagrams

A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their

goals (represented as use cases), and any dependencies between those use cases. The main purpose of a use case diagram is to show what system functions are performed for which actor. Roles of the actors in the system can be depicted. Use case diagram for our project shown below.

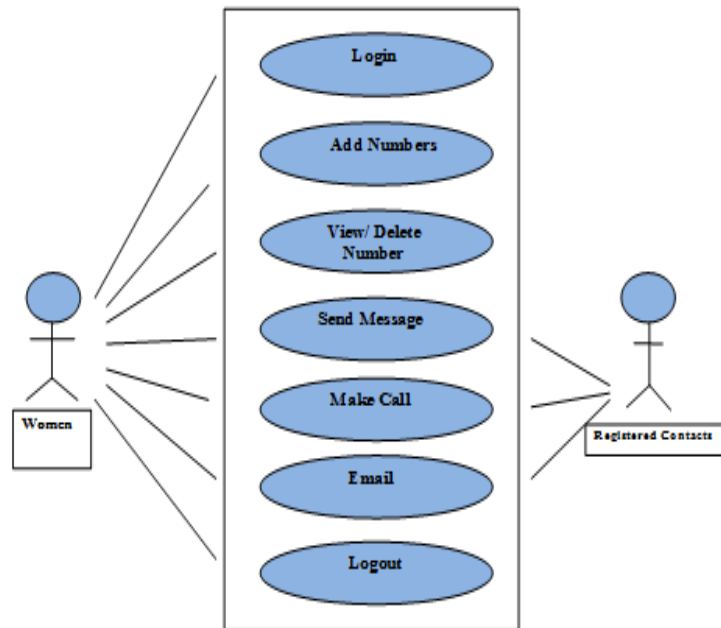


Fig. 3: UML Notation of project

4.5 Implementation

4.5.1 Registration Module: In this module person will have the facility to register with her details Such as user name, password, mobile number and email id.

4.5.2 Complaint Registration Module

- (a) person can login by already registered user name and password.
- (b) Then the user can store the file access path to the local data base and they can access later on it.
- (c) The user can add, view and delete contacts in this module.
- (d) The user can add the emergency contacts number for sending the text message, call and email when they at risk.

4.5.3 Emergency module: By clicking on help button women can make calls and send emergency text message along with the coordinates of the location.

5. RESULTS AND DISCUSSION

- (a) This paper helps us to get save from any situation.
- (b) Use of GPS location helps to get accurate location.
- (c) Providing of medical facility helps to rescue user.

6. CONCLUSION

By creating awareness, we can reduce crime rates in the society. We can save many peoples life by using this application. We can provide any necessary requirements in the emergency situations.

7. REFERENCES

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