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Introduction

1.1 Purpose

The main purpose of this software is to detect and report the accident and it also provide the accident location. It introduces accident alerting system which alerts the person who is driving the vehicle.

1.2 Scope

- It is able to detect the accident
- Provides accident location
- Provides a regular update

The application allows users to:

- Managing their profile
- Report emergency cases
- Able to detect accident
- Able to fill feedback

1.3 Product perspective

1.3.1 System interfaces

This application runs in Chrome,Firefox on windows,Linux and Mac.

1.3.2 User interfaces

The user interfaces provides buttons, toolbars, panel etc allowing for easy control by a keyword and a mouse.

- Login
- Registration
- Emergency reporting
- Feedback form
- Accident detection

1.3.3 Hardware interfaces

The system runs on efficient internet connection for the application to work perfectly.

1.3.4 Software interface

The system server is designed with Android and python and it require database ie SQLyog

1.3.6 Memory constraints

This application wants only less amount of memory

1.4 Product functions

This application is used for detecting accident and provide accident location for departments for saving their life and user can also report emergency accident occurring in front of them.

1.5 User Characteristics

The main users are any person who are downloading these application and they can create account by registering their profile with some criteria and then the application send the userid and password to registered phone number and mail id then the user can login to application and use it.

1.6 Limitations

Limitation is we can't use this application without internet.

1.7 Acronyms and abbreviations

HTML : Hyper Text Markup Language

GUI :Graphical User Interface

SRS-software Requirements specification

2 . Requirements

2.1 Functions

2.1.1 Registration for users

User can register the application after downloading it. User should add their details like name, blood group, address, mail id ,contact number etc.

2.1.2 Registration for departments

Registration of the departments is done by admin. Admin selects the department.

2.1.3 Accident Detection

If an accident is happen in any area this application will detect the accident and inform to departments.

2.1.4 Emergency Reporting

If an accident is happens infront of us we can report the emergency cases to departments.

2.2 Useability Requirements

The user can easily use the software. The users are any person ,departments like hospital, ambulance etc.

2.3 Performance requirement

The performance of software should be perfect as possible.

2.5 Database Requirement

It is used to store the data.All the data of user is stored in the database.

3.Verification

In these process the functional and non-functional requirements are satisfied and also check the mentioned requirements is present.

4.References

Software Requirements Specification Document for ReqView.

