Emergency Reporting System – Android

Requirements Specification

Version 1.0

**Team Members:**

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# **Executive Summary**

## Project Overview

This Project is about creating an Android mobile application which helps people in their emergency situations like to report a threat to police in hostile situations with just the touch of a button, seeking immediate health assistance, seeking fire department assistance or also to report any suspicions activities around them. Here the users whoever is using this application becomes our intended audience. If a person is in hostile situation like, if that person is being followed by some unknown or suspicious person then they can open this application and with just touch on the button which is on the screen sends a message to police station with the person's location requesting for help and the police can take immediate actions to see through that the person is okay. In this way this application is helpful to so many people and also the police department can prevent or save so many people from so many dangers, and our client for this project is Amanda Cullin, University Police Department

## Purpose and Scope of this Specification

The purpose of this application is to help people who are in emergency situations and need help.

**In Scope:**

* When the emergency button is clicked, a mail is to be sent to the University Police Department.
* The mail should contain the person’s details and location of that person.
* When health emergency is clicked a mail should be sent requesting for health assistance along with user’s location to UPD.
* When fire emergency is clicked a mail should be sent requesting for fire assistance along with user’s location to UPD.
* Non-emergency reports/complaints such as sexual hassle are also able to be reported to UPD.
* The user’s data should be stored in a database when the user is singing up in the app.
* The emails which are sent to police department should be stored in a database.

**Out of Scope/Future Enhancements:**

* Sending email to a family member or any selected emergency contacts along with the Police department.
* Showing nearest hospitals in and around the user with their locations on a map.

# **Product/Service Description**

It works on android platform and this product offers services like helping with user to report emergency situations and in turn get help from specified departments through the police department.

## User Characteristics

* **User:**

Here the users are the people with a Northwest Missouri University as the app is being developed restricted to only in and around the University.

* **Experience:**

Experience in using android phone is enough to use this app.

* **Technical Expertise:**

The user should be able to install the app and open it

* **Other General Characteristics:**

Ability to understand the options and navigation of the app modules

## Assumptions

* The user’s mobile is assumed to be in the Android OS.
* This mobile application is assumed to have internet connection on the mobile
* The GPS should be working on the user mobile, so that the location of the person in an emergency is sent to the University Police Department.

## Constraints

* Doesn’t work if the access to the user’s location is not given in app
* Mobile must have internet connection (either Wi-Fi or cellular data)
* Only for students of Northwest Missouri State University (for now)
* Programming language: Java, Android

# **Requirements**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Req#** | **Requirement** | **Comments** | **Priority** | **Date Reviewed** | **SME Reviewed / Approved** |
| BR\_01 | When the emergency button is clicked, a mail is to be sent to the University Police Department. | Sending email to UPD | 1 | 09/07/16 | Dr. Zhengrui Qin |
| BR\_02 | The mail should contain the person’s details and location of that person | Sending user’s information | 1 | 09/07/16 | Dr. Zhengrui Qin |
| BR\_03 | When health emergency is clicked a mail should be sent requesting health assistance along with user’s location to UPD. | New requirement. It is one of three new requirements from BR\_01. | 2 | 09/07/16 | Dr. Zhengrui Qin |
| BR\_04 | When fire emergency is clicked a mail should be sent requesting for fire assistance along with user’s location to UPD. | New requirement. It is one of three new requirements from BR\_01. | 2 | 09/07/16 | Dr. Zhengrui Qin |
| BR\_05 | Non-emergency reports/complaints are also able to be reported to UPD. | New requirement. It is one of three new requirements from BR\_01.Priority changed from 2 to 3. | 3 | 09/07/16 | Dr. Zhengrui Qin |
| BR\_08 | The user’s data should be stored in a database when the user is singing up in the app. | Storing user’s data | 2 | 09/07/16 | Dr. Zhengrui Qin |
| BR\_09 | The emails which are sent to police department should be stored in a database. | It is one of the new requirements from BR\_08 | 3 | 09/07/16 | Dr. Zhengrui Qin |

# **Deleted or Deferred Requirements**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Req#** | **Business Requirement** | **Status** | **Comments** | **Priority** | **Date Reviewed** | **SME Reviewed /Approved** |
| BR\_06 | Sending email to a family member or any selected emergency contacts along with the Police department. | Deferred to Future enhancements | Adding extra functionality to the app | 1 | 09/13/16 | Dr. Zhengrui Qin |
| BR\_07 | Showing nearest hospitals in and around the user with their locations on a map. | Deferred to Future enhancements | Adding extra functionality to the app | 2 | 09/13/16 | Dr. Zhengrui Qin |

# **Requirements Confirmation/Stakeholder sign-off**

|  |  |  |
| --- | --- | --- |
| **Meeting Date** | **Attendees (name and role)** | **Comments** |
| 09/07/16 | Sarath Kumar Chidella, Technical writer, Developer  Chandra Mouli Gullapalli, Project Manager, Developer  Vaishnavi Kankanala, Scrum master, UI Designer  Srinivasa Rao Makkena, Team Leader, Database Administrator  Venkata Sudheer Kumar Mandava, Tester, Technical writer | Confirmed BR\_01 – BR\_09 |
| 09/13/16 | Sarath Kumar Chidella, Technical writer, Developer  Chandra Mouli Gullapalli, Project Manager, Developer  Vaishnavi Kankanala, Scrum master, UI Designer  Srinivasa Rao Makkena, Team Leader, Database Administrator  Venkata Sudheer Kumar Mandava, Tester, Technical writer | Deferred / Deleted: BR\_06, BR\_07 |