**Requirements Specification Document**

**Project Name:** **PartyGuard Prepared by:** Team Bash Guardians

**Introduction**

A requirements specification document is a description of all the requirements for a system to be developed. It includes both functional and non-functional requirements. A functional requirement defines a function of a system or its component. A non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviors.

**Project Overview**

Create an interactive and easy to use iOS application that will be used by fraternities and its users in case of an emergency and other issues.

**Objective**

Due to increase in attacks on women both physically and psychologically during fraternity events, Northwest Missouri State University decided to develop an application that will be used by women under attack so that they can communicate the problem to the fraternity leaders and police.

**Requirements**

Requirements are features of system or system function used to fulfill system purpose. We gathered requirements related to User interface of the application, database needs, version of app based on user (super, host, normal user).

**Hardware and Software Requirements**

The hardware and software requirements to install the application and used to create the application are listed below in a tabled manner.

**Technical Specifications**

The detailed technical specifications for required infrastructure as outlined below.

Database Servers

* Kinvey, core data
* API created by Website development team

**Hardware**

|  |  |
| --- | --- |
| Machine | Requirements |
| Laptops/ PC | * Processor – 64 bit * Memory : Minimum 4GB RAM and 128GB Hard disk, Recommended 8GB RAM, 256GB Hard Disk |
| Mobile/Tablets | * Processor – 64 bit * Memory : Minimum 1GB RAM and 8GB Internal Memory , Recommended 2GB RAM, 16GB Internal Memory |

**Software Requirements**

|  |  |
| --- | --- |
| Machine | Software |
| Laptops/ PC | * IOS – Xcode |
| Mobile/Tablets | * Latest iPhones and iPads |

**Physical Equipment Requirements**

* iMac
* iPhone
* iPad

**Resource Needs:**

* iMac for developing
* iPhone and iPads for testing and installing

**Human Resource Needs:**

* Mobile Application Development team (Bash Guardians)

**Assumptions:**

* Existing developing team size of 7.
* The app is going to be used by NWMSU and then eventually to fraternities of other universities in US.
* Application must be completed within 90 days.
* Every iMac and Mac laptop should have iOS operating system, running with software’s Xcode
* If the project would not finish within the deadline, it can finish by taking two more business days.

**Constraints:**

* Mobile application can develop only in iOS platforms
* Project should not deviate from the client requirements
* Project should not extend by estimated deadline and estimated budget