Software Requirements Specification

For

Bob the Builder

Team: Runtime Terror   
  
‘AASHRAY’

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12/12/2019

Table of Contents

Table of Contents ii

1. Introduction 1

1.1 Purpose 1

1.2 Document Conventions 1

1.3 Intended Audience and Reading Suggestions 1

1.4 Product Scope 1

2. Overall Description 1-2

2.1 Product Perspective 1

2.2 Product Functions 1

2.3 Operating Environment 2

3. External Interface Requirements 2

3.1 Application Programming Interfaces 2

4. System Features 2-3

4.1 Volunteer Property 2

4.2 Seek Help 2

4.3 MAnage migration of rescued victims 2

4.4 Offer help (Others) 2

4.5 Send in-app messages 3

4.6 Threats and Warnings 3

4.7 Contact nearby helping authorities available 3

5. Other Nonfunctional Requirements 3

5.1 Performance Requirements 3

5.2 Security Requirements 3

5.3 Software Quality Attributes 3

# Introduction

## Purpose

Aashray focuses on bringing the victims, NGOs, Government Shelters, Rescue Teams and Volunteers who are willing to help with their property, under one roof.

Aashray will provide a platform for housing to the victims by helping them with shelter, food and basic healthcare by linking various NGOs, Government Shelters, Rescue Teams and Volunteers who offer their property as shelter.

## Document Conventions

The Documented is being published as per the standard rules.

## Intended Audience and Reading Suggestions

The Document is created in order to gather the project requirements so that it can be utilized by the development team in project development.

## Product Scope

The product can be used by various helping authorities to manage victims and provide them shelters in the volunteered properties. Such volunteered properties can be offered by any individual and organization. Any victim can use the app to look for help nearby and share his/her location and seek help for the same.

# Overall Description

## Product Perspective

Aashray will provide a platform for housing to the victims by giving them shelter, food and basic healthcare by linking various NGOs, Government Shelters, Rescue Teams and Volunteers who offer their property as Aashray(shelter).

We wish to bring the victims, NGOs, Government Shelters, Rescue Teams and Private Property owners under one roof through Aashray.

## Product Functions

The app is supposed to perform all the operations mentioned below:

* Volunteer your property
* Seek Help
* Contact nearby Helping Authorities
* Look for threats and warnings
* Manage migration of rescued victims
* Send in app messages

## Operating Environment

The Backend needs Node.js environment to run.

Mobile App can be installed on any Android/iOS platform.

# External Interface Requirements

## Application Programming Interfaces

The app will use Google Maps Direction, Elevation, Geolocation APIs exhaustively to mark, locate location of users and NGO on the map, guide users to each other’s location and provide navigation to the selected places.

# System Features

The app is intended to provide the following features:

## Volunteer property

4.1.1 Once verified, a user can volunteer his/her property.

4.1.2 Specify the vacancy available

4.1.3. Specify the services available in that property

4.1.4. Volunteer as individual/ Organization

## Seek help

4.2.1 A victim can share his/her location with all the nearby helping authorities registered on the app.

4.2.2 Describe the issue and seek help.

## Manage migration of rescued victims

4.3.1 Helping authorities can manage rescued victims in the volunteered properties (verified).

## Offer help (others)

4.4.1 Any individual/ organization can offer other helps like food, medical services, man hours as well.

## Send in-app messages

4.5.1. Messages between Helping Authorities and Users.

4.5.2. Messages between Helping Authorities and Helping Authorities.

4.5.3. Messages between Helping Authorities and Volunteers.

## Threats and Warnings

4.6.1 Look for real time threats and warnings.

## Contact nearby helping authorities available

4.7.1 Contact the nearby help available with the contact details available in the app.

# Other Nonfunctional Requirements

## Performance Requirements

The product should work even if there are some outliers. The app should ignore the outliers and show an expected result.

## Software Quality Attributes

The program should be available to everyone. The correctness of the program is what matters the most. The code should be reliable and easy to change is required and easy to maintain, avoid OS of deprecated modules. The program should be tested on previous data and cross-check if the program has produces same results as the actual results of past elections.