**Project Name**: Party Guard iOS                  **Prepared by**: Yashwanth Teja Mangalapally

**Plan Version**: 1.0                          **Date:** 10-07-2016

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**1.** **Introduction:**

## 1.1 Purpose:

      To prepare the test plan for Party Guard iOS application.

**1.2 Scope:**

It is a mobile application designed for users to help prevent sexual assaults and accidents at parties. There are three different types of users for this application, basic user, guard user and the host user. The host user creates a profile of their fraternity house by giving details like contact information, area and appoints guard users. The host user and guard users will get alerts/notifications of specific situations to be solved from the basic user. The basic user creates an account. After the account is created they can open the application during a party to report any situation for which host user and guard user will be responsible for solving the problem. If the problem is not solved Emergency button can be used to send an alert to the police.

**1.3 Project Identification:**

The table below identifies the documentation and availability used for developing the test   plan.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document  (and version / date) | Created or Available  (Yes/No) | Received or  Reviewed  (Yes/No) | Author or Resource | Notes |
| Requirements Specification | Yes |  | BashGuardians |  |
| Functional Specification | No |  |  |  |
| Use-Case Reports | Yes |  | BashGuardians |  |
| Project Plan | No |  |  |  |
| Design Specifications | Yes |  | BashGuardians |  |
| Prototype | Yes |  | BashGuardians |  |
| User’s Manual | Yes |  |  |  |

**2. Test Approach:**

Testing will be carried in various stages with different types.

**2.1 Testing Stages: -**

**2.1.1 Unit Testing:**

**Unit testing will be done by developers after development.**

**2.1.2 Integrated Testing:**

**Integration testing will be done by integrating each screen with Services.**

**2.1.3 System Testing:**

**System testing will be done by all the teams of Party Guard (iOS, Android, website & Services)**

**2.1.4 Acceptance Testing:**

**Acceptance Testing will be done by the client.**

**2.2 Testing Types: -**

|  |  |
| --- | --- |
| Test Objective: | To test the user interface of the application. |
| Technique: | Manual |
| Completion Criteria: | All the screens have to be tested thoroughly. |
| Special Considerations: | Host user has to register using the registration page. |

**2.2.1 GUI Testing:**

**2.2.2 Functional Testing:**

|  |  |
| --- | --- |
| Test Objective: | To test the iOs app against business requirements. |
| Technique: | Validate various input fields of the app like email and phone number |
| Completion Criteria: | All the client requirements have to be met. |
| Special Considerations: |  |

**2.2.3 Performance Testing:**

**2.2.3.1 Performance Profiling:**

|  |  |
| --- | --- |
| Test Objective: | To determine the speed or effectiveness of the app. |
| Technique: | Test for speed of responsiveness in all the screens |
| Completion Criteria: | All the screens have to respond quickly |
| Special Considerations: |  |

**2.2.3.2 Load Testing:**

|  |  |
| --- | --- |
| Test Objective: | To check app with constantly increasing the load on it until the time load reaches its threshold value. |
| Technique: | Increase the no. of guest users. |
| Completion Criteria: | The app shouldn’t hang up even if more no. of guests are registered. |
| Special Considerations: |  |

**2.2.4 Configuration Testing:**

|  |  |
| --- | --- |
| Test Objective: | To test the app under development on machines which have various combinations of hardware and software. |
| Technique: | Test the app on virtual machines. |
| Completion Criteria: | The app has to work same both on virtual and real time |
| Special Considerations: |  |

**2.2.5 Installation Testing:**

|  |  |
| --- | --- |
| Test Objective: | Testthat focuses on what customers will need to do to install and setup the new software successfully |
| Technique: | Install Partyguard app on any iOS device |
| Completion Criteria: | Successfully install Partyguard app on iphone and iPad. |
| Special Considerations: |  |

**2.2.6 Browser Testing:**

|  |  |
| --- | --- |
| Test Objective: | This testing is not applicable for mobile apps. |
| Technique: |  |
| Completion Criteria: |  |
| Special Considerations: |  |

**3. Test Deliverables:**

The following are the test deliverables:

1. Test Plan

2. Test Case

3. Summary Report

4. Deployment Guide

5. Developer’s Manual

**4. Environmental Needs:**

**4.1 Hardware:**

|  |  |
| --- | --- |
| **Machine** | **Configuration** |
| Mac book | Intel Core i5 or better, 8 GB RAM, 256 GB solid state or higher. |
| iPhone | iPhone 5 or higher versions |

**4.2 Software:**

|  |  |
| --- | --- |
| **Machine** | **Configuration** |
| Mac book | Mac OS 10.10.x (Yosemite) or higher |
| iPhone | iOS 4.2.10 or higher that is updated recently. |

**5. Staffing:**

**5.1 Responsibilities:**

|  |  |
| --- | --- |
| Test Plan | Yashwanth Teja |
| Test Case | Sanjeev, Naveen, Yashwanth |
| Manual Testing | Yashwanth Teja |

**6. Dependencies/Risks:**

If software fail in ways that cause financial or other damage to a user or the company that user works for then it’d be a disaster.

**7. Schedule and Milestones:**

**7.1 Schedule:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Testing Type** | **Unit Testing** | | | **Module Testing** | | | **App Testing** | | |
| **GUI** | **Functional** | **Perform-**  **ance** | **GUI** | **Functional** | **Performance** | **GUI** | **Functional** | **Perform-**  **ance** |
| **Schedule Date** | 11/02/2016 | 11/04/2016 | 11/05/2016 | 11/09/2016 | 11/12/2016 | 11/14/2016 | 11/16/2016 | 11/21/2016 | 11/28/2016 |

**8. Approvals:**

|  |  |  |
| --- | --- | --- |
|  | Project Manager | Quality Manager |
| Name |  |  |
| Signature |  |  |