**1. Introduction**

**1.1 Purpose**

The purpose of this test plan is to describe the way our group is going to test our system to ensure that once released there is a minimal amount of bugs and issues with the system. We will be testing our system through a variety of ways, (e.g. Functional Tests, Unit Tests, UI Tests etc.). This document will detail the following :

**Test Objectives / Milestones –** describes what the objectives are of the tests and what milestones we have during the project that we need to consider.

**Scopes and Levels of testing** – details the purpose of each type of testing, the scope of each type of testing, who will be doing the testing, what methods will be used to test and timings for the testing.

**Tests to be carried out –** describes what tests we are going to be carrying out and details how exactly we are going to carry out each test, will also describe predicted outcomes of tests.

**1.2 Project Overview**

In this project our goal is to design and develop an application that enables students and professionals across the country be able to find accommodation near their universities and workplaces. The application must be able to allow users to communicate through the application to one another and must also have a built in GPS feature that allows users to get directions to various properties across the country. The application will be initially trialled in Leicester and rolled out to the rest of the UK and a later date.

**2. Objectives / Milestones**

**2.1 Test Objectives**

The objectives of the testing is to ensure that all the features specified by FDM are properly implemented and are working as they are supposed to be. The tests carried out will thoroughly test all aspects of the application, from the UI to the data management, the tests were cover all aspects of the application.

**2.2 Test Milestones**

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Pass / Fail ?** | **Notes** |
| 95% of Test Scripts Passed |  |  |
| All Test Scripts Executed |  |  |
| UI Testing Complete |  |  |
| No Security Issues |  |  |

**3. Scopes and Level of Testing**

**3.1 Functional Tests**

PURPOSE: End users test the system, displays any problems from a user perspective rather than a developer perspective.

SCOPE: ???????

TESTERS: Users of the system.

METHOD: Give a series of tests to users for them to complete.

TIMING: Will be conducted once the application has several features implemented.

**3.2 Unit Tests**

PURPOSE: Makes sure the system is working as intended according to the step definitions of the application.

SCOPE:

TESTERS: Cucumber / Step Definitions.

METHOD: Automatically ran when the application is booted.

TIMING:

**3.3 UI Tests**

PURPOSE: Checks to make sure that there are no faults with the UI (for example all colouring schemes must be in place and all fonts must be consistent throughout the application).

SCOPE: ?????????

TESTERS: Front End Developers

METHOD: Multiple tests executed by the front end developing, highlighting any faults with the UI of the application.

TIMING: Once the application has a functional user-interface the UI will be tested.

**4. Tests**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Number** | **Test Description** | **Test Type** | **Predicted Outcome** | **Actual Outcome** | **Remarks** |
| 1 | No data type errors occur | UI |  |  |  |
| 2 | Users are not able to bypass required fields on a form | UI |  |  |  |
| 3 | There is a maximum field entry on fields | UI |  |  |  |
| 4 | Grammar is correct | UI |  |  |  |
| 5 | Font is consistent throughout | UI |  |  |  |
| 6 | Design is consistent throughout | UI |  |  |  |
| 7 | Instructions are clear and concise | UI |  |  |  |
| 8 | Error messages are clear | UI |  |  |  |
| 9 | Errors are documented | UI |  |  |  |
| 10 | On-screen instructions are available | UI |  |  |  |
| 11 | Users cannot see landlord functionality | UI |  |  |  |
| 12 |  |  |  |  |  |
| 13 |  |  |  |  |  |
| 14 |  |  |  |  |  |
| 15 |  |  |  |  |  |

**5. Key Goals and Deadlines**

|  |  |  |
| --- | --- | --- |
| **Goal** | **Completion Date** | **Complete (Yes/No)** |
| Unit Testing Complete | Friday 26th February 2016 | No |
| UI Testing Complete | Wednesday 2nd March 2016 | No |
| Functional Testing Complete | Wednesday 2nd March 2016 | No |