

**CAPSTONE PROJECT 1**

**ROOMY**

**TEST PLAN DOCUMENT**

Version 1.0

Date: Sep 15, 2017

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**Project Information**

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| **Project Tittle** | ROOMY | | | | |
| **Start Date** | Aug 1, 2018 | | **End Date** | | Dec 05, 2018 |
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**Test Plan Document**

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| --- | --- | --- | --- |
| **Document Title** | Test Plan Document |  |  |
| **Reporting Period** | Sep , 2018 |  |  |
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| Huynh Vu Ha Lan | Scrum Master |  |
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| Huynh Quoc Nhat | Member |  |
|  | Ho Trung Anh |  |  |
| **Date** | Sep 20, 18 | **Filename** | Testplan\_Ver1.0.docx |
| **Access** | Project and CMU Program | |  |

**REVISION HISTORY**

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| **Version** | **Person** | **Date** | **Description** |
| V1.0 | Team | Sep 20, 2018 | Draft for Document |

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# Introduction

A test plan is a detailed software verification document that provides specifics on how the validate will test all aspects of the software design. This test plan document contains a description of test cases to be written for each function, and a description of the testing platform to be used.

## Purpose:

The purpose of the Test Plan is to define, schedule and monitor the test execution. It supports the following objectives:

* + - * Provide list of test functions.
      * List the Requirements for Test.
      * Describe the testing strategies to test functions.
      * Identify the required resources and schedule the Test execution

## References

|  |  |  |
| --- | --- | --- |
| **No.** | **Reference** | **Document Information** |
| 1 | Test plan Template | Test plan template of Mentor |
| 2 | Proposal | Proposal\_v.1.3.docx |
| 3 | Product Backlog | Productbacklog\_v.1.1.docx |
| 4 | Project Plan | ProjectPlan\_v1.0.docx |

## Background information.

As introduced in Proposal document, there are many things all the members in team must do. However, the project duration is 50 days. This project has a scope to meet the time constraint.

## Scope of testing:

This Test Plan is for release 1.0.

## Constraints:

During the test is still some limitations such as:

* + - The team members lack experience.
    - Limited in time, costs.

## Risk list:

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Risk** | **The plan for corrective** | **The level of influence** |
| **1** | **Time** | Work overtime on Sunday | High |
| **2** | **Experience** | Experience sharing used to reduce the research time. | Medium |

# Requirements for test.

## Test items:

The following list describes the features that will be tested:

|  |  |  |  |
| --- | --- | --- | --- |
| **ID\_ Function** | **Function** | **Type Test case** | **Note** |
| F01 | Login | User interface, Function Test |  |
| F02 | Logout | User interface, Function Test |  |
| F03 | Search | User interface, Function Test |  |
| F04 | Register | User interface, Function Test |  |
| F05 | Delete Account | User interface, Function Test |  |
| F06 | Update Account | User interface, Function Test |  |
| F07 | Report | User interface, Function Test |  |
| F08 | View Accommodaton | User interface, Function Test |  |
| F09 | Post to find Roomate | User interface, Function Test |  |
| F10 | Book a accommodation | User interface, Function Test |  |
| F11 | View information Account | User interface, Function Test |  |
| F12 | View information account | User interface, Function Test |  |
| F13 | Add accommodation | User interface, Function Test |  |
| F14 | Delete accommodation | User interface, Function Test |  |
| F15 | Update accommodation | User interface, Function Test |  |
| F16 | Search information about accommodation | User interface, Function Test |  |
| F17 | View Accommodation Information | User interface, Function Test |  |
| F18 | View list accommodation | User interface, Function Test |  |
| F19 | View customer and landlord report | User interface, Function Test |  |
| F20 | Search accommodation | User interface, Function Test |  |
| F21 | Deletele accommodation | User interface, Function Test |  |
| F22 | Deletele accommodation | User interface, Function Test |  |
| F23 | View list account | User interface, Function Test |  |
| F24 | Statistic about Landlord account | User interface, Function Test |  |
| F25 | Statistic about accommodation | User interface, Function Test |  |

# Test strategy

## Test stages:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Types** | **Test Stages** | | | |
| **Unit** | **Integration** | **Acceptance** |
| Functional Tests | X | X | x |
| User Interface | x | x | x |
| Reliability   * Integrity * Structure | X | X |  |

## Tools

|  |  |  |  |
| --- | --- | --- | --- |
| **Purpose** | **Tool** | **Vendor** | **Version** |
| Microsoft Excel is used to write Test Plan and Test Cases. | Microsoft Excel 2016 | Microsoft |  |
| Selenium IDE is a Firefox addon developed originally by Shinya Kasatani as a way to use the original Selenium Core without having to copy Selenium Core onto the server | Selenium | Selenium Open Source |  |

# Resource

## Human Resource

|  |  |  |
| --- | --- | --- |
| **The role** | **Resource** | **Specific responsibilities** |
| Tester | Le Hoang Quoc,  Huynh Thi Thanh Van,  Huynh Vu Ha Lan | Executes the tests. Responsibilities include:   * execute test suites * log results * analyze and recover from test failures * document incidents |
| Testing System | Ho Trung Anh,  Huynh Quoc Nhat | Ensures test environment are managed and maintained.  Responsibilities include:   * administer test management system * install and support access to, and recovery of, test environment configurations and test labs |

|  |  |  |  |
| --- | --- | --- | --- |
| Milestone Task | Name | Date Start | Date Finish |
| Test Plan | Huynh Vu Ha Lan | Aug 24, 18 | Aug 24, 18 |
| Test plan and test case for Sprint 1 | Le Hoang Quoc | Sep 8, 18 | Sep 8, 18 |
| Test plan and test case for Sprint 2 | Huynh Vu Ha Lan | Oct 5, 18 | Oct 5, 18 |
| Test plan and test case for Sprint 3 | Huynh Thi Thanh Van | Nov 2,18 | Nov 2, 18 |

1. **Test Milestone**