**MINISTRY OF EDUCATION AND TRAINING**

**DUY TAN UNIVERSITY**



**RENTING HELPER -**

**A SUPPORT SYSTEM FOR**

**FINDING HOUSE FOR RENT ON ANDROID OS**

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**TEST PLAN DOCUMENT**

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**Da Nang, Feb-2018**

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| --- | --- | --- | --- | --- |
| **PROJECT INFORMATION** | | | | |
| **Project Acronym** | RH | | | |
| **Project Title** | Renting helper - a support system for finding house for rent on Android OS | | | |
| **Start Date** | 01– Feb – 2018 | **End Date** | 15 – Mar – 2018 | |
| **Lead Institution** | Department Of Information Technology, Duy Tan University | | | |
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# INTRODUCTION

## Purpose

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

* Provide a high level list of the major target test functions.
* List the Requirements for test.
* Describe the testing strategies to be employed on each target test functions.
* Identify the required resources and schedule the test execution.

## Scope

This Test Plan is for release test plan for Renting Helper.

The Test Plan defines the unit, integration, system testing approach. The test scope includes the following:

* Testing of all functions, application performance and user stories requirements listed in User Stories Document.
* Product quality is accordant to Renting Helper.
* Perform End-to-end testing the Renting Helper.

## Out of scope

The following are considered out of scope for Renting Helper test plan and testing scope:

* Perform Security testing for Renting Helper.

## Document terminology and acronyms

###### Table 1.1: Document Terminology and Acronyms

|  |  |  |
| --- | --- | --- |
| **ID.** | **Item** | **Description** |
| TA01 | RH | Renting Helper |

* 1. **References**

Applicable references are:

* [RH] Proposal Document.
* [RH] Product Backlog Document.
* [RH] Project Plan Document.
* [RH ]Test Plan Document.

1. **TARGET TEST AREAS**

* Functional testing.

1. **TEST SPECIFICATION**
   1. **Features to be tested:**

* Main application
* List renting house
* Show renting house detail
* Post renting house
* User’s information
  1. **Feature not to be tested**

Not Applicable as all features will be tested.

* 1. **Test deliverables**
* Test Plan Document.
* Test Case Document.

# TEST SCHEDULE

###### Table4.1: Test Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Duration (Hour)** | **Start** | **Finish** | **Resources** |
| **1** | **Sprint 2** |  |  |  |  |
| 1.1 | Create Test Plan document | 5 hours | 27-Feb- 2018 | 27-Feb- 2018 | Thong |
| 1.2 | **Design Test Case** |  | **02-Mar-2018** | **03-Mar-2018** |  |
| 1.2.1 | Design test case of posting renting house form | 3 hours | 02-Mar-2018 | 02-Mar-2018 | Thong |  |
| 1.2.2 | Design test case of house for rent lists form | 3 hours | 02-Mar-2018 | 02-Mar-2018 | Diep |  |
| 1.2.3 | Design test case of house for rent’s details form | 2 hours | 02-Mar-2018 | 02-Mar-2018 | Diep |  |
| 1.2.4 | Design test case of user information form | 2 hours | 02-Mar-2018 | 02-Mar-2018 | Thong |  |
| 1.2.5 | Review all test case of Sprint two | 5 hours | 03-Mar-2018 | 03-Mar-2018 | All members |  |
| 1.3 | **Testing** |  | **07-Mar-2018** | **07-Mar-2018** |  |
| 1.3.1 | Test of house for rent lists form | 2 hours | 07-Mar-2018 | 07-Mar-2018 | Thong |
| 1.3.2 | Test of house for rent’s details form | 3 hours | 07-Mar-2018 | 07-Mar-2018 | Thong |
| 1.3.3 | Test of posting renting house form | 3 hours | 07-Mar-2018 | 07-Mar-2018 | Diep |  |  |
| 1.3.4 | Test of user information form | 2 hours | 07-Mar-2018 | 07-Mar-2018 | Diep |  |  |
| 1.4 | **Re-testing** |  | **09-Mar-2018** | **10-Mar-2018** |  |
| 1.4.1 | Re-test of house for rent lists form | 5 hours | 09-Mar-2018 | 09-Mar-2018 | Thong |
| 1.4.2 | Re-test of house for rent’s details form | 10 hours | 09-Mar-2018 | 10-Mar-2018 | Diep |
| 1.4.3 | Re-test of posting renting house form | 3 hours | 10-Mar-2018 | 10-Mar-2018 | Thong |
| 1.4.4 | Re-test of user information form | 2 hours | 10-Mar-2018 | 10-Mar-2018 | Thong |

1. **TEST CYCLE ENTRY AND EXIT CRITERIA**
   1. **Entry criteria**

* All test hardware platforms were installed, configured properly.
* All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
* Proper test case is available.
* The test environment such as: lab, hardware, software, and system administration support should be ready.

## Exit criteria

* All test cases have been executed.
* A certain level of requirements coverage has been achieved.
* No high priority or severe bugs are left outstanding.
* All high-risk areas have been fully tested, with only minor residual risks left outstanding.
* The schedule has been achieved.
* The schedule has been achieved.

# ENVIRONMENTAL NEEDS

## Hardware and software

###### Table 6.1: Hardware and Software

|  |  |  |
| --- | --- | --- |
| **Resource** | **Configuration** | **Installed OS, Software** |
| PC | Internet access | Firefox, Chrome, IE 10. |
| Laptop | Internet access | Firefox, Chrome, IE 10. |
| Smart phone (Android OS) | Internet access | Application (APK file) |

## Productivity and support tools

###### Table 6.2: Productivity and Support Tools

| **Tool’s purpose** | **Tool Name** | **Vendor or In-house** | **Version** |
| --- | --- | --- | --- |
| Project Management | Microsoft Project | Microsoft | 2016 |
| Project Document | Microsoft Office | The Document Word, Excel | 2010 |

# ROLES AND RESPONSIBILITIES

###### Table 7.1: Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| **Roles** | **Resources** | **Responsibilities** |
| Management Team | Hoang L. NGUYEN | * Ensure the project is delivered to schedule, budget and quality. * Regularly review testing progress with Tester Leader. * Raise and manage issues/risks relating to project or outside Test Teams control. * Review Test approach, plans and schedule. * Provide technical support. |
| Develop Team | Vu N.NGUYEN  Thanh V.TRAN  Hoang L. NGUYEN | * Review high level / detailed test plans. * Resolve design issues. * Resolve development issues. * Support user acceptance testing. * Develop Unit test scripts. * Make Unit test. * Fix bugs. |
| QA Team | Diep D.T.N.NGUYEN  Thong T.HUA | * Identifies, prioritizes, and implements test cases. * Generate test plan. * Generate Test Suite. * Evaluate effectiveness of test effort. * Execute tests. * Log results. * Recover from errors. * Document defects. * Regularly review Testing progress. * Manage issues/risks relating to System Test Team. * Identify Test Data. |