**MINISTRY OF EDUCATION AND TRAINING**

**DUY TAN UNIVERSITY**



**RENTING HELPER -**

**A SUPPORT SYSTEM FOR**

**FINDING HOUSE FOR RENT ON ANDROID OS**

# 🙠🖎🕮✍🙢

**TEST PLAN DOCUMENT**

**TEAM MEMBERS**

1. **NGUYEN LUONG HOANG - 1560**
2. **NGUYEN NGOC VU - 1579**
3. **NGUYEN DINH THI NGOC DIEP - 3264**
4. **HUA THI THONG - 6419**
5. **TRAN VAN THANH - 1571**

**Da Nang, Feb - 2018**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | | | |
| **Project Mentor** | Thi S. T. TRINH  Email: trinhsutruongthi@gmail.com  Phone: 0905.723.278 | | | |
| **Product Owner & Contact Detail** | Diep D. T. N. NGUYEN  Email: diep.nguyendtngoc@gmail.com  Phone: 0905.517.760 | | | |
| **Partner Organization** | Duy Tan University | | | |
| **Project Manager &Scrum Master** | Hoang L. NGUYEN | luonghoangdn92@gmail.com | | 0934.799.890 |
| **Team Members** | Vu N. NGUYEN | nnvu92@gmail.com | | 0906.351.761 |
| Thong T. HUA | huathithong93@gmail.com | | 01683.698.807 |
| Thanh V. TRAN | tranvanthanh217@gmail.com | | 01647.187.783 |
| Diep D. T. N. NGUYEN | [diep.nguyendtngoc@gmail.com](mailto:diep.nguyendtngoc@gmail.com) | | 0905.517.760 |

|  |  |  |  |
| --- | --- | --- | --- |
| **DOCUMENT NAME** | | | |
| **Document Title** | Test Plan Document | | |
| **Author(s)** | Thong T. HUA | | |
| **Role** | Team member | | |
| **Date** | 13-Feb-2018 | **File name:** | [RH]Test Plan-Sprint 1-ver.1.0.docx |
| **URL** |  | | |
| **Access** |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **REVISION HISTORY** | | | |
| **Version** | **Person** | **Date** | **Description** |
| 1.0 | Thong T. HUA | 13-Feb-2018 | Create document |

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Approval**  The following signatures are required for approval of this document | | | |
| **Mentor** | Thi S. T. TRINH | **Signature:** |  |
| **Date:** |  |
| **Product Owner** | Diep D. T. N. NGUYEN | **Signature:** |  |
| **Date:** |  |
| **Scrum Master** | Hoang L. NGUYEN | **Signature:** |  |
| **Date:** |  |
| **Team Member(s)** | Diep D. T. N. NGUYEN | **Signature:** |  |
| **Date:** |  |
| Vu N. NGUYEN | **Signature:** |  |
| **Date:** |  |
| Thanh V. TRAN | **Signature:** |  |
| **Date:** |  |
| Thong T. HUA | **Signature:** |  |
| **Date:** |  |

TABLE OF CONTENTS

[1. INTRODUCTION 7](#_Toc482021002)

[1.1. Purpose 7](#_Toc482021003)

[1.2. Scope 7](#_Toc482021004)

[1.3. Out of scope 7](#_Toc482021005)

[1.4. Document terminology and acronyms 7](#_Toc482021006)

[1.5. References 8](#_Toc482021007)

[2. TARGET TEST AREAS 8](#_Toc482021008)

[3. TEST SPECIFICATION 8](#_Toc482021009)

[3.1. Features to be tested: 8](#_Toc482021010)

[3.2. Feature not to be tested 8](#_Toc482021011)

[3.3. Test deliverables 8](#_Toc482021012)

[4. TEST SCHEDULE 9](#_Toc482021013)

[5. TEST CYCLE ENTRY AND EXIT CRITERIA 11](#_Toc482021014)

[5.1. Entry criteria 11](#_Toc482021015)

[5.2. Exit criteria 11](#_Toc482021016)

[6. ENVIRONMENTAL NEEDS 12](#_Toc482021017)

[6.1. Hardware and software 12](#_Toc482021018)

[6.2. Productivity and support tools 12](#_Toc482021019)

[7. ROLES AND RESPONSIBILITIES 13](#_Toc482021020)

LIST OF TABLES

[Table 1.1: Document Terminology and Acronyms 7](#_Toc482661070)

[Table 4.1: Test Schedule 9](#_Toc482661071)

[Table 6.1: Hardware and Software 12](#_Toc482661072)

[Table 6.2: Productivity and Support Tools 12](#_Toc482661073)

[Table 7.1: Roles and Responsibilities 13](#_Toc482661074)

# 

# 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
* Register
* Login
* Choose city
  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

###### Table 4.1: Test Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Duration (Hour)** | **Start** | **Finish** | **Resources** |
| **1** | **Sprint 1** |  |  |  |  |
| 1.1 | Create Test Plan document | 5 hours | 13-Feb- 18 | 13-Mar- 18 | Thong, Diep |
| 1.2 | Design Test Case |  | **16-Feb-18** | **17-Feb-18** |  |
| 1.2.1 | Design test case of Main application | 4 hours | 16-Feb-18 | 16-Feb-18 | Diep |  |
| 1.2.2 | Design test case of register form | 3 hours | 16-Feb-18 | 16-Feb-18 | Thong |  |
| 1.2.3 | Design test case of login form | 2 hours | 16-Feb-18 | 16-Feb-18 | Thong |  |
| 1.2.4 | Design test case of city list | 1 hour | 16-Feb-18 | 16-Feb-18 | Diep |  |
| 1.2.5 | Review all test case of Sprint one | 5 hours | 17-Feb-18 | 17-Feb-18 | All members |  |
| 1.3 | Testing |  | **21-Feb-18** | **22-Feb-18** |  |
| 1.3.1 | Test of register form | 5 hours | 21-Feb-18 | 21-Feb-18 | Thong |
| 1.3.2 | Test of login form | 5 hours | 22-Feb-18 | 22-Feb-18 | Thong |
| 1.3.3 | Test of main form | 5 hours | 21-Feb-18 | 21-Feb-18 | Diep |  |  |
| 1.3.4 | Test of city list form | 10 hours | 22-Feb-18 | 22-Feb-18 | Diep |  |  |
| 1.4 | Re-testing |  | **24-Feb-18** | **24-Feb-18** |  |
| 1.4.1 | Re-test of Main application | 4 hours | 24-Feb-18 | 24-Feb-18 | Diep |
| 1.4.2 | Re-test of register form | 2 hours | 24-Feb-18 | 24-Feb-18 | Thong |
| 1.4.3 | Re-test of login form | 2 hours | 24-Feb-18 | 24-Feb-18 | Thong |
| 1.4.4 | Re-test of city list form | 1 hours | 24-Feb-18 | 24-Feb-18 | Diep |

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. |