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**FPT UNIVERSITY**

**Taxi Caller Application on Windows Phone**

**F\_Taxi**

**Report #5 – Software Test Documentation**

|  |  |
| --- | --- |
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# INTRODUCTION

## Purposes

The target of the test suit is to provide adequate coverage metrics, requirements validation and system quality data such that sufficient data is provided for those making the decision to release. The testing program is used to find errors in the application on Windows Phone to ensure that after fixation of these errors, the end product is defect free. It identifies when the work has been completed so that our project can be closed successfully.

## System Overview

The main objective of the project is creating application for window phone user, help user using app for take a taxi quickly and taxi driver pick up a customer easy.

# TEST PLAN

## Scope of Testing

## Four stages of testing:

* Unit testing: The purpose is to verify the internal logic code by testing every possible branch within the function, also known as test coverage. Unit test will be done by the developers and will be approved by the implementing team leader to ensure that the building blocks of the system uses work independently of each other and the specific function might have multiple tests to catch corner cases in the code.
* Integration testing: The separate module will be tested together to expose faults in the interfaces and in the interaction between integrated components. Integration testing will be done by tester.
* System testing: Compare the system specifications against the actual system. System testing checks if the integrated product meets the specified requirements.
* Acceptance testing: Acceptance testing will be performed by some students at FPT University. The acceptance testing will be done for a period of 1 week after completion of System/ Integration test process. Program will enter into Acceptance testing after all critical and major defects have been corrected. Prior to final completion of acceptance testing all open critical and major defects must be corrected.

## Requirements for Testing

### Test Items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Use Case ID** | **Actor** | **Group of function** | **Name** | **Number of Testcase** | **Note** |
| UC-01 | Guest |  | Register |  |  |
| UC-02 | Rider | Authenticate | Login |  |  |
| UC-03 | Logout |  |  |
| UC-04 | Forget Password |  |  |
| UC-05 | Manage Profile | View Profile |  |  |
| UC-06 | Update Profile |  |  |
| UC-07 | Change Password |  |  |
| UC-08 | Manage Favorite | List Favorite Driver |  |  |
| UC-09 | Add Favorite Driver |  |  |
| UC-10 | Delete Favorite Driver |  |  |
| UC-11 | Call Favorite Driver |  |  |
| UC-12 |  | Find Lost Asset |  |  |
| UC-13 | Send Application Feedback |  |  |
| UC-14 | Call Taxi Center |  |  |
| UC-15 | Interact with Trip | Create Trip |  |  |
| UC-16 | Cancel Trip |  |  |
| UC-17 | List Complete Trip |  |  |
| UC-18 |  | View Bill Detail |  |  |
| UC-19 |  | Rate Driver |  |  |

### Acceptance Test Criteria

|  |  |  |
| --- | --- | --- |
| **No** | **Test Stages** | **Qualified ratios** |
| **1** | **Unit test** | To pass this stage, all unit test cases must be tested and passed 100% .All defects shouldbe fixed and re-tested |
| **2** | **Integration test** | To pass this stage, all test cases must be tested and passed 100%. All defects should be fixed and re-tested |
| **3** | **System test** | To pass this stage, all test cases must be tested and passed 100%. All defects should be fixed and re-tested |
| **4** | **Acceptance test** | Acceptance Test will be conducted and approved by FPT students |

### Testing Risks

|  |  |  |
| --- | --- | --- |
| **Risk** | **Mitigation** | **Contingencies** |
| PC or Windows Phone Mobile have problem during test (ex: error operation system), not enough device | Find a new PC or Windows Phone Mobile | Borrow and buy more device |
| The server has problem during test | Call center |  |
| Member of test team may be sick in test phase | + Discussing  + Committing  +Assigning tasks  appropriately  + Team building | + Persuading  + Re-organizing  + Reviewing and re-planning the whole project |

## Test Strategies

### Test Policies

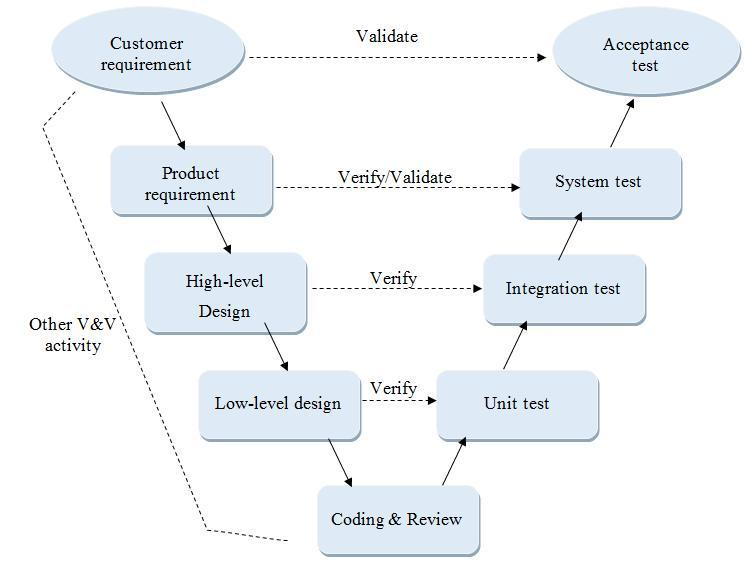
* Definition of Testing : ensuring the software fulfills its requirements
* Test Process: all test plans are written in accordance with team policy
* Test Evaluation: affect product quality, some bugs have been found before release
* Quality Level to be achieved: no outstanding high severity faults prior to products release
* Approach to Test Process Improvement: project review meetings to be held after project completion

### Test Model

We choose V-model for this project. Just like waterfall model, the V-model is a sequential path of execution of process. Each phase must be completed before the next phase begins. Testing of the website is planned in parallel with a corresponding phase of development.

Some advantages of V-model:

* Simple and easy to use
* Testing activities like planning happens well before coding
* Time saving, quick
* Works well for small projects where requirements are easily understood.



*Figure 5.1: V-model*

More specifically, the left side of the V represents the analysis activities that decompose the user’s needs into small, manageable pieces while the right side of the V shows the corresponding synthesis activities that aggregate (and test) these pieces into a system that need system that meets the user’s need. The V-model demonstrates the relationships between each phase of the development life cycle and its associated phase of testing. The horizontal and vertical axes represent time or project completeness (left to right) and level of abstraction. Advances in the production of executable requirements, architectures, and designs enable testing begin much earlier on the left side of the V so that requirements, architecture, and design defects can be found and fixed early before they can propagate into downstream work products.

### Types of Testing

### Test Stages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of test** | **Stage of test** | | | |
| **Unit** | **Integration** | **System** | **Acceptance** |
| **Function Test** | X | X | X | X |
| **User case Test** | X | X | X | X |

### Tools/Environments

|  |  |
| --- | --- |
| **Environments** | **Testing Tools** |
| **Hardware** | **Notebooks for developing/testing with the minimum configuration:**  - RAM: 2GB  - HDD: 320GB  - Chipset: Intel dual core 1.8GHz  **A server computer with the minimum configuration**  - RAM: 1GB  - HDD: 120GB  - Chipset: Intel dual core 1.8GHz  **Windows Phone with the minimum configuration**  - OS: Windows Phone 8  - Phone Memory: 8GB Storage, 512MB RAM |
| **Software** | - Visual Studio 2013  - Microsoft Office 2010 |
| **Operation System** | - Windows 10 Enterprise 64bit  - Windows phone 8 |
| **Browser** | - Google Chrome |

### Resources

**Resources and Responsibilities**

|  |  |
| --- | --- |
| **Resources** | **Responsibilities** |
| Developers | * Perform unit text, fix bugs |
| Tester | * Create test plan, test cases, test report, bug list report * Review test plan * Execute test * Log bugs, keep tracking and re-test |
| Project Manager | * Responsible for project schedules * Review test plan |

# TEST CASES

## <UC - 01 - Register>

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test date** | **Note** |
|  | **Email** |  |  |  |  |  |  |
| [Register-] | To verify when click button "Đăng ký" while do not enter any informations | 1. Go to Register Page 2. Click button "Đăng ký" | 1. Load success 2. Show the error in form validate Email |  | Pass |  |  |
| [Register-1] | To verify check validation Email | 1. Go to Register Page 2. Enter incorrect form email then exit the textbox Email 3. Enter correct form email then exit the textbox Email | 1. Load success 2. Show the incorrect validation red icon and error message above textbox Email 3. Show the correct validation green icon |  | Pass |  |  |
|  | **Password** |  |  |  |  |  |  |
| [Register-3] | Check case enter Password have 0 characters | 1. Go to Register Page 2. Enter the correct form Email 3. Click button "Đăng ký" | 1. Load success 3. Show the incorrect validation red icon and error message above textbox "Vui lòng nhập mật khẩu" |  | Pass |  |  |
| [Register-4] | Check case enter Password have <6 characters | 1. Go to Register Page 2. Enter the correct form Email 3. Enter <6 characters 4. Click button "Đăng ký" | 1. Load success 3. Show the incorrect validation red icon and error message above textbox "Mật khẩu ít nhất 6 ký tự" |  | Pass |  |  |
| [Register-5] | Check case enter Password have >=6 characters | 1. Go to Register Page 2. Enter the correct form Email 3. Enter >=6 characters 4. Click button "Đăng ký" | 1. Load success 3. Show the correct validation green icon |  | Pass |  |  |
|  | **PasswordAgain** |  |  |  |  |  |  |
| [Register-7] | Check case enter AgainPassword not like Password | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password 4. Enter Againpassword not like Password | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the incorrect validation red icon and error message above textbox "Mật khẩu không trùng nhau" |  | Pass |  |  |
| [Register-8] | Check case enter AgainPassword like Password but have <6 characters | 1. Go to Register Page 2. Enter the correct form Email 3. Enter <6 characters Password 4. Enter Againpassword like Password | 1. Load success 2. Show the correct validation green icon 3. Show the incorrect validation red icon and error message above textbox "Mật khẩu ít nhất 6 ký tự" 4. Show the incorrect validation red icon and error message above textbox "Mật khẩu ít nhất 6 ký tự" |  | Pass |  |  |
| [Register-9] | Check case enter AgainPassword like Password but have >6 characters | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password 4. Enter Againpassword like Password | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon |  | Pass |  |  |
| [Register-10] | Check case enter the special characters "Space" in Password and AgainPassword | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the character "Space" appear in Password and have > 6 characters | 1. Load success 2. Show the correct validation green icon 3. Show the incorrect validation red icon and error message above textbox "Mật khẩu không có ký tự đặc biệt" |  | Fail |  |  |
|  | **Name** |  |  |  |  |  |  |
| [Register-11] | Check case do not enter the Name | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Click button "Đăng ký" | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the incorrect validation red icon and error message above textbox "Vui lòng nhập tên" |  | Pass |  |  |
| [Register-12] | Check case enter the Name | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon |  | Pass |  |  |
|  | **LastName** |  |  |  |  |  |  |
| [Register-14] | Check case do not enter the LastName | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Click button "Đăng ký" | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the incorrect validation red icon and error message above textbox "Vui lòng nhập họ" |  | Pass |  |  |
| [Register-15] | Check case enter the LastName | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon |  | Pass |  |  |
|  | **PhoneNumber** |  |  |  |  |  |  |
| [Register-17] | Check case do not enter the PhoneNumber | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Click button "Đăng ký" or exit the textbox PhoneNumber | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 6. Show the incorrect validation red icon and error message above textbox "Vui lòng nhập số điện thoại" |  | Pass |  |  |
| [Register-18] | Check case enter the word appear in PhoneNumber | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Enter the PhoneNumber but appear the word | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 6. Show the incorrect validation red icon and error message above textbox "Số điện thoại gồm 10 số" |  | Pass |  |  |
| [Register-19] | Check case enter <10 numbers in PhoneNumber | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Enter <10 numbers 7. Click button "Đăng ký" or exit textbox Phonenumber | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 7. Show the incorrect validation red icon and error message above textbox "Số điện thoại gồm 10 số" |  | Pass |  |  |
| [Register-20] | Check case enter >10 numbers in PhoneNumber | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Enter >10 numbers 7. Click button "Đăng ký" or exit textbox Phonenumber | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 7. Show the incorrect validation red icon and error message above textbox "Số điện thoại gồm 10 số" |  | Pass |  |  |
| [Register-21] | Check case enter =10 numbers in PhoneNumber | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Enter 10 numbers | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 6. Show the correct validation green icon |  | Pass |  |  |
| [Register-22] | Check Function Register when all case is validate. | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Enter 10 numbers 7. Click button "Đăng ký" | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 6. Show the correct validation green icon 7. Show message "Đăng ký thành công" If the email is identical registration, show the message error "Đăng ký không thành công" |  | Pass |  |  |
| [Register-23] | Check Function Register when all case is validate. | 1. Go to Register Page 2. Enter the correct form Email 3. Enter the correct form Password and PasswordAgain 4. Enter the Name 5. Enter the LastName 6. Enter 10 numbers 7. Click button "Đăng ký" | 1. Load success 2. Show the correct validation green icon 3. Show the correct validation green icon 4. Show the correct validation green icon 5. Show the correct validation green icon 6. Show the correct validation green icon 7. Show message "Đăng ký thành công" If the email is identical registration, show the message error "Đăng ký không thành công" |  | Pass |  |  |

## <UC - 02 - Login>

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test date** | **Note** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Login** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-] | Test Login Function do not enter characters. | 1. Click button "Đăng Nhập" 2. Click "OK" when show the message error | 1. Show message error "Vui lòng điền đầy đủ thông tin" 2. Back the Login Page |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-1] | Test Login Function only enter "Tài khoản" but do not enter "Mật khẩu" | 1. Go to Login Page 2. Enter the username then click on any space on the screen. 3. Click button "Đăng nhập" | 1. Load success 3. Show message error " Vui lòng điền đầy đủ thông tin" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-2] | Test Login Function only enter "Mật Khẩu" but do not enter "Tài Khoản" | 1. Go to Login Page 2. Enter the password then click on any space on the screen. 3. Click button "Đăng nhập" | 1. Load success 3. Show message error " Vui lòng điền đầy đủ thông tin" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-3] | Test Login Function when enter the correct username and password | 1. Go to Login Page 2. Enter the correct username and password 3. Click button "Đăng nhập" | 1. Load success 3. Go to Infomation Page |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-4] | Test Login Function when enter the incorrect username and password | 1. Go to Login Page 2. Enter the correct username and password 3. Click button "Đăng nhập" | 1. Load success 3. Show the message error "Đăng nhập không thành công" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-5] | Test Login Function when enter the correct username and password | 1. Go to Login Page 2. Enter the correct username and password 3. Click button "Đăng nhập" | 1. Load success 3. Go to Infomation Page |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-6] | Test Login Function when enter the correct username and incorrect password | 1. Go to Login Page 2. Enter the correct username and incorrect password 3. Click button " Đăng nhập" | 1. Load success 3. Show the message error "Đăng nhập không thành công" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-7] | Test Login Fuction when enter the incorrect username and incorrect password | 1. Go to Login Page 2. Enter the incorrect username and correct password 3. Click button " Đăng nhập" | 1. Load success 3. Show the message error "Đăng nhập không thành công" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-8] | Test fuction show the password when click icon eye in textbox "Mật khẩu" | 1. Go to Login Page. 2. Enter the characters in textbox "Mật khẩu" 3. Click icon eye | 1. Load success 3. The password when input will show all the characters as a word |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Login-9] | Test all button on Login Page | 1. Go to Login Page 2. Click button "Đăng ký" 3. Click button "Quên mật khẩu" | 1. Load success 2. Go to page " Register" 3. Go to page " Forgot Password" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## <UC - 03 - Logout>

## <UC - 04 - Forgot Password>

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test date** | **Note** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Email** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Forgot Password-] | To verify when click button "Quên mật khẩu?" ,go to the page Forgot Password | 1. Go to Login Page 2. Click button "Quên mật khẩu" | 1. Load success 2. Go to the page Forgot Password |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Forgot Password-1] | To verify when click button "Đặt lại mật khẩu", textbox "Tài khoản" not have characters, show the error message. | 1. Go to Login Page 2. Click button "Quên mật khẩu" 3. Click button " Đặt lại mật khẩu" | 1. Load success 2. Go to the page Forgot Password 3. Show the  Show the message error " Vui lòng điền email" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Forgot Password-2] | To verify when click button "Đặt lại mật khẩu", textbox "Tài khoản" not have characters, show the error message. | 1. Go to Login Page 2. Click button "Quên mật khẩu" 3. Click button " Đặt lại mật khẩu" | 1. Load success 2. Go to the page Forgot Password 3. Show the message error " Vui lòng điền email" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Forgot Password-3] | To verify when click button "Đặt lại mật khẩu" when enter correct Email | 1. Go to Login Page 2. Click button "Quên mật khẩu" 3. Enter Correct Email 4. Click button " Đặt lại mật khẩu" | 1. Load success 2. Go to the page Forgot Password 4. Show the message "Mật khẩu mới đã được gửi tới địa chỉ Email của bạn" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [Forgot Password-4] | To verify when click button "Đặt lại mật khẩu" when enter incorrect Email | 1. Go to Login Page 2. Click button "Quên mật khẩu" 3. Enter incorrect Email 4. Click button " Đặt lại mật khẩu" | 1. Load success 2. Go to the page Forgot Password 4. Show the error message "Sai địa chỉ Email" |  | Pass |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## <UC - 05 – View Profile>

## <UC - 06 – Update Profile>

## <UC - 07 – Change Password>

## <UC - 08 – List Favourite Driver>

## <UC - 09 – Add Favourite Driver>

## <UC – 10 – Delete Favourite Driver>

## <UC – 11 - Call Favourite Driver>

## <UC – 12 – Find Lost Asset>

## <UC – 13 – Send Application Feedback>

## <UC – 14 – Call Taxi Center >

## <UC – 15 – Create Trip>

## <UC – 16 – Cancel Trip>

## <UC – 17 – List Complete Trip>

## <UC – 18 – View Bill Detail>

## <UC – 19 – Rate Driver>

# CHECKLISTS

**Checklist of Validation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Questions | Yes | No | N/A |
| 1 | The system will show error message when users does not input any data in mandatory fields? |  |  |  |
| 2 | User interface is implemented as design document? |  |  |  |
| 3 | All mandatory fields require user input? |  |  |  |
| 4 | For all character/alphanumeric fields check the field to ensure that there is a character limit specified and that this limit is exactly correct for the specified database size? |  |  |  |
| 5 | For all numeric fields check the minimum and maximum values and also some mid-range values allowable? |  |  |  |
| 6 | For all numeric fields check negative numbers or not integer can be entered? |  |  |  |
| 7 | Check the maximum field lengths to ensure that there are no truncated characters? |  |  |  |

**GUI checklist**

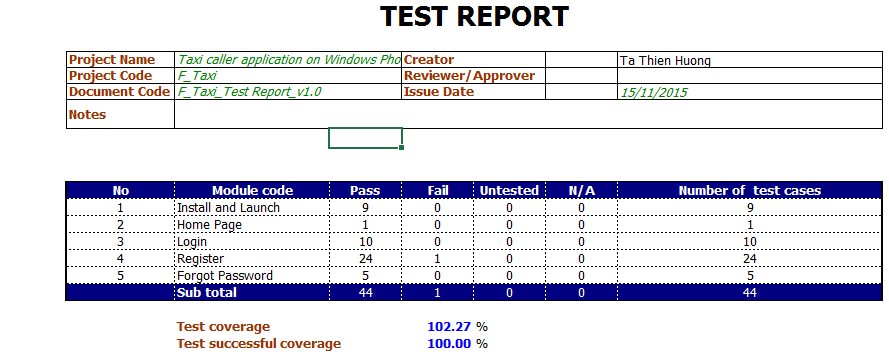
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Question | Yes | No | N/A |
| 1 | Are basic components used consistently and according to established standards? |  |  |  |
| 2 | Are menus defined consistently and according to established standards? |  |  |  |
| 3 | Are commonly used menu items placed at the top of the menu list? |  |  |  |
| 4 | Are tool bar items grouped according to the function they perform? |  |  |  |
| 5 | Are all the field prompts spelt correctly? |  |  |  |
| 6 | Should the screen be resizable? |  |  |  |
| 7 | Should the screen be minimizing? |  |  |  |
| 8 | Are list boxes used to allow the user to select one items from a list? |  |  |  |

# TEST LOGS

## Defect Logs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Defect ID** | **Module** | **Description** | **Created Date** | **Status** |
| 1 | Register  (Rider) | 1. Insert “space” into Password or Password Again 2. Click button “Đăng ký”   Expect: Mật khẩu không đúng định dạng  Actual: Vẫn đăng ký được với mật khẩu chứa ký tự đặc biệt “Space” | 17/11/2015 | Assigned |

## Test Reports



*Figure 5.2 : Test report 1*

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | Smart Medicine Dictionary | **Creator** | HuongTT |
| **Project Code** | SMD | **Reviewer/Approver** | SangNV |
| **Document Code** |  | **Issue Date** | December 01st 2013 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Module code** | **Pass** | **Fail** | **Untested** | **N/A** | **Number of test cases** |
|  | | | | | | |
| 1 | Install | 1 | 0 | 0 | 0 | 1 |
| 2 | Uninstall | 1 | 0 | 0 | 0 | 1 |
| 3 | Interruption by Call | 1 | 0 | 0 | 0 | 1 |
| 4 | Interruption by Message | 1 | 0 | 0 | 0 | 1 |
| 5 | Memory | 1 | 0 | 0 | 0 | 1 |
| 6 | Exit Application | 1 | 0 | 0 | 0 | 1 |
| 7 | Battery | 1 | 0 | 0 | 0 | 1 |
| 8 | Battery Consumption | 1 | 0 | 0 | 0 | 1 |
| 9 | Charge | 1 | 0 | 0 | 0 | 1 |
| 10 | Home Page | 1 | 0 | 0 | 0 | 1 |
| 11 | Login | 9 | 0 | 0 | 0 | 9 |
| 12 | Email | 2 | 0 | 0 | 0 | 2 |
| 13 | Password | 3 | 0 | 0 | 0 | 3 |
| 14 | Password Again | 3 | 1 | 0 | 0 | 4 |
| 15 | Name | 2 | 0 | 0 | 0 | 2 |
| 16 | LastName | 2 | 0 | 0 | 0 | 2 |
| 17 | Phone Number | 7 | 0 | 0 | 0 | 7 |