**Test plan**

Admission System

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# **Revision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Version** | **Update date** | **Author** | **Content** |
| 1 | 1.0 | 03.31.2014 | Huy Nguyen | Create |
| 2 | 1.1 | 04.24.2014 | Huy Nguyen | Update process |
| 3 | 1.2 | 05.28.2014 | Huy Ngo | Review and translate |

Table 1: Revision history

# **Introduction**

## Purpose

This document is aimed to give a detailed plan of test strategy, resources, environment for performing System test of Admission System Project.

## 2.2. Scope of this document

This document ensures for functional testing of Dictionary Management System (DMS) and Display Dictionary Tool (DDT)

## Project overview

N/A

## Intended audiences

|  |  |  |
| --- | --- | --- |
| **No** | **Readers** | **Reason for reading** |
| 1 | Architecture Engineer | Reassessing the architecture  To evaluate the quality of architecture |
| 2 | Test Leader | Create testcase  Tracking test phase  Recognize Test Report, Defect Report |
| 3 | Tester | Implement test |

Table 2: Intended audiences

# **Document Reviewer Information**

|  |  |  |
| --- | --- | --- |
|  | **Reviewer Attendance (R/S)** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| R/S: Required or Suggested participants or functions for the document review meeting | | |

Table 3: Document reviewer information

# **Document Approver Information**

|  |  |  |
| --- | --- | --- |
| **Approver Name** | **Approver Function** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Table 4: Document approver information

# **Process**

## 5.1. Test process



Picture 1: Test process

|  |  |  |
| --- | --- | --- |
| Task | Description | Artifact |
|  | Based on the Sprint Backlog, Test Leader creating Test Plan for each Sprint. The test plan will include a schedule for each stage of the test functions are listed in Sprint Backlog | Input: Product Backlog  Output: Test plan for Sprint |
|  | Based on the design specification document Detail Design, Tester generates test cases for the functionality to be developed in the Sprint. Test Leader is responsible for creating synthetic test case and Specification System Test, User Acceptance Test | Input: Test plan, Detail Design  Output: Test case, System Test Specification, User Acceptance Test |
|  | Tester implemented through the test phase synthetic test case. Each tester updates Defect Report and Test Report (if any) for each test case  Test Leader Synthetic Test Report, Defect Report và cập nhật System Test Specification, User Acceptance Test | Input: Test case, System Test Specification  Output: Defect Report, Test Report, System Test Specification, User Acceptance Test |
|  | Product evaluation, test implementation process. Improved next Sprint | Input: Defect Report, Test Report, System Test Specification, User Acceptance Test |

Table 5: Test process description

## 5.2. Defect tracking



Picture 2: Defect tracking

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tasks | Tester | Test Leader | Developer | Note |
|  | Tester implement tests, update defect to TFS management tool. Defect is assigned to Developer who is responsible for the functions in the documentation Product Backlog | Recognize Defect Report |  | Where the defect is not the responsibility of any Developer, Team will meet again and decide to fix the bug assigned to a specific member |
|  |  |  | Developer assigned to fix the bug |  |
|  |  |  | If the defect is confirmed bug. Developer estimated time to fix bugs, and report back to the Technical Leader / Test Leader | If the defect is confirmed not to bug,  Developer report back to Tester |
|  |  |  | Developer implement fixes bug. If the bug fix trouble in difficulties, Developer shall be responsible for reporting to the Technical Leader (Scrum Master) to have solutions | Time to fix the bug not too 4 hours (since notice to Developer Technical Leader) |
|  |  |  | After completion of the Developer bug fixes, the update of the status tool bug on TFS and inform Tester has created this bug to retest |  |
|  | Tester examined the bug has been fix.  If Tester identify bug fix has not been fully, to notify the Developer, and status updates on TFS bug |  | The bug fix is continued until Tester confirm bug has been fixed completely | If the bug fix or occupy too much prolonged time, the Team will gather and offer other solutions |
|  | Tester updated Defect Report and Test Report | Recognize Test Report and Defect Report |  |  |

Table 6: Defect tracking description

## Defect lifecycle



Picture 3: Defect lifecycle

|  |  |  |  |
| --- | --- | --- | --- |
| Items | Description | Role | Note |
|  | Defect status | N/A | Include: New, Committed, Approved, Done, Removed |
|  | N/A | Tester |  |
|  | N/A | Tester Leader |  |
|  | N/A | Developer |  |
|  | N/A | Tester |  |

Table 7: Defect lifecycle description

# **Human resource**

## 6.1. Team information

Deadline Team

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Name** | **Role** | **Skills** |
| 1 | Huy Nguyen | Test Leader |  |
| 2 | Dao Khau | Tester/Technical Leader |  |
| 3 | Huy Ngo | Tester/Scrum Master |  |
| 4 | Phu Ta | Tester |  |
| 5 | Chau Le | Tester |  |
| 6 | Khang Huynh | Tester/Product Owner |  |

Table 8: Human resource

## 6.2. Role and responsibility

|  |  |
| --- | --- |
| **Role** | **Responsibilities** |
| Test Leader | Create test cases  Tracking schedule of test plan  Sumarize all of reports |
| Tester | Implement test  Recognize report result |

Table 9: Role and responsibility

# **Test environment**

## 7.1. Test tool

Visual Studio Online

https://deadlineteam.visualstudio.com/

# **Document deliverable**

|  |  |  |
| --- | --- | --- |
| No | Item | Description |
| 1 | Admission System Test plan | Test Plan for the entire phase. |
| 2 | Test plan for Sprint | Test plan specific to each implementation Sprint |
| 3 | System Test Specification | Specification of system functionality |
| 4 | Test Report | Report the test performed |
| 5 | Test case | Synthetic test case in the test process implementation |
| 6 | Defect report | Defect report after test |

Table 10: Document deliverable