Revision History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Prepared by** | **Reviewed by** | **Approved By** |
| 03/06/2021 | 1.0 | Basic plan | Nguyễn Phi Trường Vũ |  |  |
| 02/06/2021 | 2.0 | Final Test Plan |  |  |  |

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# Introduction

## Purpose

This test plan document gives the following purposes:

* Identify basic project and functional components that are tested and not tested.
* List test requirements.
* Testing strategies should be used.
* Estimate resource requirements and testing costs.
* Documents made after the test is completed.

## Overview

Defect Management is an error management application in projects.

## Scope

This test plan document applies to testing the functions of the Defect Management website as described in the subject project document for Software Testing students.

Functions to check:

## Definitions and acronyms used

### Definitions

|  |  |
| --- | --- |
| **Terminology** | **Definition** |
| Defect Management | The name of the website |
|  |  |

### **Acronyms**

|  |  |
| --- | --- |
| **Acronyms** | **Description** |
| IE8 | Windows Internet Explorer 8 web browser |
|  |  |

## People who use this material

This document is used for Test Manager, Test Designer and Tester.

# References

* Sample documents of Mr. Phan Gian Phuoc's testing plan
* Sample documents on testcase design by Mr. Phan Gia Phuoc
* Software Test Subject Slides

# Work schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Milestone** | **Deliverables** | **Duration** | **Start Date** | **End Date** |
| Test planning | Test Plan Documentation | 4 day | 05/05/2021 | 08/05/2021 |
| Review documents | Test Plan Documentation | 3 day | 09/05/2021 | 12/05/2021 |
| Design of testcases | Testcase Documents | 3 day | 13/05/2012 | 15/05/2012 |
| Write the testcase | Testcase Documents | 7 day | 16/06/2012 | 21/06/2012 |
| Review the testcase | Testcase Documents | 1 day | 21/05/2021 | 22/05/2021 |
| Execution of testcase | Testcase Documents | 4 day | 23/06/2012 | 26/06/2012 |
| Record and evaluate test results | Testcase Documents | 2 day | 27/06/2012 | 29/06/2012 |

# Resource requirements

## Hardware

Personal computer with Internet connection.

|  |  |  |  |
| --- | --- | --- | --- |
| **CPU** | **RAM** | **HDD** | **Architecture** |
| Intel Core i3, 2.3 GHz | 2 GB | 128 GB | 64 bit |

## Software

|  |  |  |
| --- | --- | --- |
| **Software Name** | **Version** | **Type** |
| VNWare Workstation | 15.0.0 | Application |
| IE8 | 8.0.6001.18702IC | Web browser |
| Google Chrome | 19.0.1084.56 | Web browser |
| Microsoft Windows XP Professional | XP | Operating system |

## Tool testing

|  |  |  |  |
| --- | --- | --- | --- |
| Activity | Tools | Supplier | Version |
| Manage Test Case | Microsoft Office Excel | Microsoft | 2019 |
| Manage Configuration | Microsoft Office Word | Microsoft | 2019 |
| Defect Tracking | Microsoft Office Excel | Microsoft | 2019 |
| Check management progress | Microsoft Project Professional | Microsoft | 2019 |

## Test environment

A personal computer with an Internet connection to be able to access the DMS website by browser.

DMS website functionality is tested on IE8 ,Google Chrome 19.0.1084.56 browsers to run the program.

The operating system used is Microsoft Windows XP Professional or virtual computer VNWare Workstation.

## Personnel

### Roles and Responsibilities

|  |  |
| --- | --- |
| Member | Roles |
| Nguyễn Ngọc Trường | Test Manager / Test Designer / Tester : |
| Trần Ngọc Nam | Test Designer / Tester: |
| Nguyễn Phi Trường Vũ | Test Designer / Tester: |
| Trần Quốc Trị | Test Designer / Tester: |
| Lê Hồ | Test Designer / Tester: |
| Nguyễn Công Đáng | Test Designer / Tester: |

### Educate

* <N/A>

# Test Scope

## Tested functions

### Add Defect

* Basic test function:
* Enter textfield
* Selection combobox
* Save, Defect List, Attach file buttons

### Defect List screen

* Check function allows user to search for defects, Enter text field, Check box, Selection combo box
* Check the function of button add new,go, batch update, refresh, export file, move project.

### Attachment screen

* Test function:
* Enter textfield
* Attach , Cancel, Browser file buttons

### Defect View Or Edit screen

* Basic test function:
* Enter textfield
* Selection combobox
* Save,Delete,Defect List, Attach file buttons

### Batch Update Defect screen

* Test function:
* Enter textfield
* Selection combobox
* Save, Defect List buttons

### Export Defect

* Test function Export Defect button

## These functions are not tested

The remaining functions in the process of completion: Defect lifecycle

# Testing Strategies

## Test Stages

<N/A>

## Type test

**Functional testing**

|  |  |
| --- | --- |
| Check target | Ensure the tested functions work correctly according to the requirements of the SRS (Software requirements specification) |
| Technique | Enforce all possible scenarios for each functional group, using valid and invalid data to determine:  - Expected results when valid data is used  - Appropriate warnings appear when invalid data is used |
| Stop Standard | All designed test cases are executed.  All bugs found are clearly documented so that they can be fixed by the developer. |
| Responsible for testing | Test Designer / Tester |
| How to test | Manual testing, sequentially following the steps defined in the test case |
| Exception handling | List all related issues that arise during test execution. |

# Conditions of acceptance

Passed all testcases have been defined.

The system runs stably on different web browsers (IE8, Firefox and Google Chrome latest version).

# Defect Tracking

## Classification of errors

|  |  |
| --- | --- |
| **Severity** | **Error specification** |
| High | Fatal error, causing functions to misbehave or to be inconsistent with the design interface |
| Normal | Common errors, affecting the system in some cases |
| Low | Rare errors, no effects or minor effects during operation |

## Error handling process

Record errors found during testing.

Report to the development team of the DMS website

# Test Deliverables

## Test Cases

* Add Defect.

[NguyenPhiTruongVu\_AddDefect.xlsx](E:\\Testing\\VuVinhThaiTan_DefectManagement\\NguyenPhiTruongVu_AddDefect.xlsx)

* DefectViewOrEdit, Attachment

[NguyenCaoTan\_Attachment\_DefectViewOrEdit.xlsx](E:\\Testing\\VuVinhThaiTan_DefectManagement\\NguyenCaoTan_Attachment_DefectViewOrEdit.xlsx)

* DefectList

<PhamVoQuocThai_DefectList.xlsx>

* BatchUpdateDefect, ExportDefect

<NguyenQuangVinh_BatchUpdateDefect_ExportDefect.xlsx>

## Test Reports

# Suspension and resumption

When there is a change of request from the customer, exchange to be unified with the customer.

# Approvals

Moderated by the team leader and teacher in charge of Mr. Tieu Kim Cuong