

**Capstone Project Report**

**Report 5 – Software Test Documentation**

– Hanoi, December 2022 –

**Table of Contents**

[I. Record of Changes 3](#_Toc83349279)

[II. Testing Documentation 4](#_Toc83349280)

[1. Scope of Testing 4](#_Toc83349281)

[2. Test Strategy 4](#_Toc83349282)

[2.1 Testing Types 4](#_Toc83349283)

[2.2 Test Levels 4](#_Toc83349284)

[2.3 Supporting Tools 4](#_Toc83349285)

[3. Test Plan 4](#_Toc83349286)

[3.1 Human Resources 4](#_Toc83349287)

[3.2 Test Environment 5](#_Toc83349288)

[3.3 Test Milestones 5](#_Toc83349289)

[4. Test Cases 5](#_Toc83349290)

[5. Test Reports 5](#_Toc83349291)

# I. Record of Changes

|  |  |  |  |
| --- | --- | --- | --- |
| Date | A\* M, D | In charge | Change Description |
| 15/12/2022 | A | GiangNT | Create Document |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

\*A - Added M - Modified D - Deleted

# II. Testing Documentation

## 1. Scope of Testing

*[Describe the scopes of the test. Those include the target-of-test’s features, functions, and non-functional requirements that will or will not be tested.*

*Describe the stages/levels of testing that would be applied to your project­ - Unit, Integration, or System test. Each includes the in-charge, inputs/time, focuses, acceptance criteria.*

*List any constraints or assumptions made during the development of this document that may impact the design, development or implementation of testing]*

There are 4 stages in Testing Process: Unit Testing, Integration Testing, System Testing and Acceptance Testing.

### Unit Test

## 2. Test Strategy

*[List out and describe all testing types (you can refer the test types listed below or any other test types to selected the suitable ones for the project; for each selected test types you need to provide the following information: test objective, technique, completion criteria, etc.), test levels that those test types would be performed, & the details of test supporting tools would be used in the project]*

### 2.1 Testing Types

*[List out and describe here the testing types which you would apply in your project. You need to mention following information for each type of testing: objective, technique, completion criteria]*

### 2.2 Test Levels

*<List out and describe here the testing levels which you would execute in your project. Besides, clearly state the test types which are performed in each test level that you plan for this project>*

| Type of Tests | Test Level | | | |
| --- | --- | --- | --- | --- |
| Unit | Integration | System | Acceptance |
| <Test Type1> | X | X | X | X |
| <Test Type2> |  |  | X | X |
| <Test Type3> | X | X |  |  |

### 2.3 Supporting Tools

*<List of the test supporting tools which will be employed for this project>*

|  |  |  |  |
| --- | --- | --- | --- |
| Purpose | Tool | Vendor/In-house | Version |
|  |  |  |  |
|  |  |  |  |

## 3. Test Plan

### 3.1 Human Resources

*[List and provide the details on roles and responsibilities of the project members who would involve in testing works, in the table format as below]*

|  |  |  |
| --- | --- | --- |
| **Worker/Doer** | **Role** | **Specific Responsibilities/Comments** |
|  |  |  |
|  |  |  |

### 3.2 Test Environment

*[List and provide the details about the tools (software, hardware, infrastructure) which the project would use for testing. The information can be provided in the table format as below]*

|  |  |  |  |
| --- | --- | --- | --- |
| **Purpose** | **Tool** | **Provider** | **Version** |
|  |  |  |  |
|  |  |  |  |

### 3.3 Test Milestones

*[Separate test milestones, which should be identified to communicate project status accomplishments. The information can be provided in the table format as below]*

|  |  |  |
| --- | --- | --- |
| **Milestone Task** | **Start Date** | **End Date** |
|  |  |  |
|  |  |  |

## 4. Test Cases

*[Prepare the details on the test cases following the provided template*

* *Unit Test Cases: Report5\_Unit Test.xls*
* *Other Test Cases (IT, ST, AT): Report5\_Test Report.xls]*

## 5. Test Reports

*[Provide the test result, statistics and the relevant test analysis for your testing in the project]*