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| Logo_FPT_University_doc | **MINISTRY OF EDUCATION AND TRAINING** |

**FPT UNIVERSITY**

**CAPSTONE PROJECT DOCUMENT**

**<Project Code>**

**Report #5 – Software Test Documents**

|  |  |
| --- | --- |
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| **Project Code** | <Code> |

- Hanoi, 05/2012 -

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# INTRODUCTION

## Purposes

The main purpose of this test document is for end user and project team to evaluate whether the built system meet the specify requirement as stated in software requirement document, if this test document fails that mean the system don’t match the specify user requirement and the system might go through rejection.

This document describes the approach and methodologies to be used by the software testing group to evaluate the application, both implementation details of test case and technical details of the system.

## System Overview

# TEST PLAN

## Scope of Testing

There are three main types of Testing in our project : Unit Test, Integration Testing and System Test. Developers of this system are require to built the system using the Test based approach which they will have write unit test for all component of the system. Testers will handle the remaining type of testing required in this system.

* **Unit testing**
* The purpose of doing this type of testing is to verify the internal logic and algorithm of the system, every possible input combination will be tested, this is also known as test coverage.
* Unit testing is a software development process in which the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation. **Unit testing** can be done manually but is often automated.
* **Integration Testing**
* Sometimes called integration and testing, abbreviated I&T) is the phase in software testing in which individual software modules are combined and tested as a group. It occurs after unit testing and before validation testing.
* **System Testing**
* is a level of the software testing where a complete and integrated software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements. Definition by ISTQB. System testing: The process of testing an integrated system to verify that it meets specified.

## Requirements for Testing

### Test Items

* Unit Testing
  + All Web Methods will be properly tested
* Integration Testing
  + All Component
* System Testing
  + All Web Page

### Acceptance Test Criteria

### Testing Risks

......

## Test Strategies

### Test Policies

................

### Test Model

### Types of Testing

* User Interface Testing : GUI testing is the way toward guaranteeing legitimate usefulness of the graphical UI (GUI ) for a given application and ensuring it adjusts to its composed details
* Function Testing: is a quality confirmation (QA) process and a kind of discovery testing that constructs its experiments in light of the particulars of the product segment under test. ... Practical testing ordinarily depicts what the framework does.
* Acceptance Testing: is a level of the product testing where a framework is tried for adequacy. The reason for this test is to assess the framework's consistence with the business necessities and survey whether it is adequate for conveyance.

### Test Stages

We use the V model with each stage in the left column as shown in the figure above, shows that from the requirement to analyse and develop, will be equivalent to the corresponding test level: This includes the Unit Test, Integration Testing, Integration Test, System Test and Acceptance Test.

|  |  |  |  |
| --- | --- | --- | --- |
| Types Of Testing | Stage Of Testing | | |
| Unit | Integration | System |
| User Interface Test | X | X | X |
| Function Test | X | X | X |
| Acceptance Test |  |  | X |

### Tools/Environments

|  |  |
| --- | --- |
| Unit Test | * Visual Studio (NUnit) * .NET |
| Integration Test | * Google Chrome * Microsoft Edge |
| System Test | * Google Chrome * Microsoft Edge |

# TEST CASES

## Authentication Management

## Authentication Management

## Authentication Management

## Authentication Management

## Authentication Management

## Authentication Management

## Authentication Management

## Authentication Management

## Authentication Management

# CHECKLISTS

<>

# TEST LOGS

## Defect Logs

<Report defects found in the project>

## Test Reports

<Test report of the project>

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | Smart Medicine Dictionary | **Creator** | ThuNH |
| **Project Code** | SMD | **Reviewer/Approver** | SangNV |
| **Document Code** |  | **Issue Date** | August 1­­0th 2013 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Module code** | **Pass** | **Fail** | **Untested** | **N/A** | **Number of test cases** |
| **xxx module** | | | | | | |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |