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**International School**

**Software Process & Quality Management**

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**Test Plan Sp**

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**Hotel Management System**

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**PROJECT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | HMS | |  |
| **Project Title** | Hotel Management | |  |
| **Start Date** | 30 Jun 2025 | **End Date** | 1 July 2021 |
| **Lead Institution** | International School, Duy Tan University | |  |
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# 1. Introduce

## This document is the Test Plan for the Hotel Management Website project, presented by Quality Assurance. It describes the testing strategy and approach to testing QA will use to validate this product's pre-release. It also contains the various resources needed to successfully complete this project.

## 1.1. Purpose

The purpose of this document is to provide an overview and guidance for the Hotel Management Website Project - Test Plan. The goal of this project is to build a modern hotel management website system that helps automate and optimize business processes.

## 1.2. Limit

This Test Plan is for 1.1 release Sprint 3 includes 5 functions:

* Design Admin Summarized Operations View
* Design Admin Financial Reports View
* Design Admin Room Price Adjustment Tracking
* Design Admin User Permissions Monitoring

## 1.3 References

**Table 1*.*** *References*

|  |  |  |  |
| --- | --- | --- | --- |
| **STT** | **References** | **Document information** | **Note** |
| 1 | Documentation User  Stories | This document provides a user story and goaloriented perspective of the Learning English Together Website Project |  |
| **2** | Sprint Backlog document | A list of tasks determined by the Scrum Team to be completed in each sprint. |  |

# 2. Test Plan

## 2.1 Test outline

* Unit testing
* Functional test
* Test the user interface
* Test configuration
* Acceptance test
* Permission Test
* Data Validation Test
* Performance Test

## 2.2 Test requirement

**Table 2.** The following list describes the functions that will be tested for Sprint 3

|  |  |  |  |
| --- | --- | --- | --- |
| **Id** | **Function** | **Test case type** | **Note** |
| FC01 | DesignAdmin Summarized Operations View | UI Test  Functional Test  Performance Test | Requires complete test data for correct statistics display. |
| FC02 | Design Admin Financial Reports View | Functional Test  Data Validation Test  Export Test | Compare data with accounting, test exporting files to multiple browsers. |
| FC03 | Design Admin Room Price Adjustment Tracking | Functional Test  Audit Trail Test  Data Integrity Test | Requires multiple price change data for historical testing. |
| FC04 | Design Admin User Permissions Monitoring | Functional Test  Functional test  Acceptance test | Requires multiple users to test permissions and prevent incorrect access. |

# 3. Test strategy

* The test strategy presented is the method to test the system.
* Test requirement must describe what should be tested; Test strategy outlines the ways that are used for testing.
* In this section, techniques and standards for assessment are the main content that needs attention...

## 3.1 Test type

### 3.1.1 Unit test

* Unit testing is a procedure used to determine if the source code (units) of software is working properly
* Unit testing is done by developers.

**Table 3.** *Test Objectives and Criteria Table*

|  |  |
| --- | --- |
| **Test objectives:** | Make sure the source code is working without errors, working well |
| **Skill:** | All functions, methods, processes, and classes are subjected to testing to ensure there are no risks and must be carefully tested and made sure that any minor errors are not ignored. |
| **Completion criteria:** | Debugging with no errors  All functions, methods, classes, procedures are 100% |
| **Special considerations:** |  |

### 

### 3.1.2 Functional test Functional testing will be performed to verify all functional requirements have been met successfully. This will be done through black box testing.

**Table 4.** *Test Objectives and Criteria Table*

|  |  |  |
| --- | --- | --- |
| **Technical objectives:** | Verify system functional requirements. | |
| **Skill:** | ▪ | Use the Black Box test |
|  | ▪ | Design test cases to perform functional testing |
|  | ▪ | Based on user stories to create test cases for the functional system:   * Image Carousel * Medical Report Online * View latest new * View map of number statistics about Covid-19 in Viet Nam * View evolution of the disease * Patients details cases * New Video * Image Collection * View number of statistics about Covid-19 in patients * View information of support medical center related to COVID-19 * Regular Questions |
| **Oracles:** |  |  |
| **Required tools:** | ● Instructions for use Test | |
| **Success criteria:** | All of the following have been tested successfully:  All major use cases  • All major features | |

### 3.1.3 Test the user interface

User interface (UI) testing verifies user interaction with software. The goal of UI testing is to ensure that the UI provides users with proper access and navigation through the test target's functions. Additionally, UI testing ensures that the objects in the UI functionality are as expected and conform to company or industry standards

**Table 5.** *Test Objectives and Criteria Table*

|  |  |
| --- | --- |
| **Technical goals:** | Do the following to observe and record conformance to standard and target behavior:  Navigating through business requirements and functions that reflect test goals, covering from window to window, field to field, and use of access methods (tab keys, mouse movements, keys acceleration).  ● Window objects and properties can be moved such as menu, size, position, status, and focus. |
| **Skill:** | Create or modify tests for each window to verify navigation and object status appropriate for each window and application object. |
| **Oracles:** | The tester will verify the matching function based on the requirement. |
| **Required tools:** |  |
| **Success criteria:** | All windows objects can be done, properly navigated through test target and test target works as expected. |

### 3.1.4 Test configuration

Test Configuration Verify that the test target works correctly under different software configurations and interacts with different software.

**Table 6.** *Test Objectives and Criteria Table*

|  |  |
| --- | --- |
| **Technical goals:** | Accurately verify the test target functionality on different platforms and in different configurations. |
| **Skill:** | ● Execute unrelated software on the same platform as the test target to verify no side effects. |
| **Oracles:** | Test target behavior. |
| **Required tools:** | This technique requires the following tools:   * Restore and restore the base configuration * Install monitoring tool (registry, hard disk, CPU, memory,   etc.) |
| **Success criteria:** | The test target worked as expected, and the software that wasn't the test target worked as expected |

#### 3.1.5 Acceptance test

Please refer to Acceptance Check attached in the documentation

## 3.2 Test tool

**Table 7.** *Test tool*

|  |  |  |
| --- | --- | --- |
| **Work** | **Tools** | **Company** |
| Manage test activities | Excel | Microsoft |
| Project management | Trello, Slack | Swap Up, Stewart Butterfield |
| Database system management | Mongoose DB | Microsoft |
| Test GUI | Test it manually |  |

## 3.3 Technical inspection (Equipment and hardware)

**Table 8.** *Technical inspection*

|  |  |  |  |
| --- | --- | --- | --- |
| **Purpose** | **Tools** | **Describe** | **Version** |
| The Run commands | Browser | Testing web | Internet Explorer,  Chrome |

## 3.4 Pass / fail condition

A test case will have the script action, the condition, the input value, and the expected result.

* If the result of the test case is sequentially the same as the input provided, the result is correct with the expected result => Pass
* If result is failed, or differs from expected result => Fail

# 4. Test source

## Table 9. *Roles and Responsibilities Table for Test Activities*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Role** | | **Assigned to** | | **Responsibility** | |
| **Scrum master** | | Lanh,Do | | Provide management supervision for the project.   * Define control points for error handling * Acquire the right resources for testing | |
|  | |  | | • Provide management reports | |
| **Tester** | | Hung,Duong Van | | Provide management supervision for testing. Ensures that the identified testing activities are traceable to the defined functional / business requirements.   * Identify what information people need to write and support. * System / function test, integration and system. * Test management * Test planning * Evaluation and coordination of testing strategies | |

**5. Test schedule**

## 5.1 Test plan

## Table 10. *Test Activities and Milestone Schedule*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Milestone Task** | **Responsible** | **Start day** | **End day** |
| DesignAdmin Summarized Operations View | Test Plan | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Execute Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Design Admin Financial Reports View | Test Plan | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Execute Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Design Admin Room Price Adjustment Tracking | Test Plan | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Execute Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Design Admin User Permissions Monitoring | Test Plan | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |
| Execute Test case | Hung,Duong Van | **18/07/2025** | **18/07/2025** |