

International School

**Capstone Project 2**

CMU-SE 451

**Test Plan**

Version 1.5

Date: 10 May 2022

**SENIOR PROJECT MANAGEMENT SYSTEM**

**FOR INTERNATIONAL SCHOOL**

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**PROJECT INFORMATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Project acronym** | Senior Project Management System for International School | | | | |
| **Project Title** | SPMS | | | | |
| **Start Date** | 18 Feb 2022 | | **End Date** | 15 May 2022 | |
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**REVISION HISTORY**

| **Version** | **Date** | **Comments** | **Author** | **Approval** |
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| v1.0 | 03/03/2022 | Initial Release | All Members | x |
| v1.1 | 03/03/2022 | sprint 1 | Tien | x |
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**SIGNATURE**

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# **Introduction**

This document is the Test Plan for SENIOR PROJECT MANAGEMENT SYSTEM FOR INTERNATIONAL SCHOOL, 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. **Purpose**

The purpose of this document is to provide an overview and guidance for the SENIOR PROJECT MANAGEMENT SYSTEM FOR INTERNATIONAL SCHOOL - Test Plan project. The objective is also to establish a level of general understanding to the client of the testing procedure addressed in this document.

* 1. **Scope**
* This Test Plan is for release test plan for SENIOR PROJECT MANAGEMENT SYSTEM FOR INTERNATIONAL SCHOOL.
* The Test Plan defines the unit, system Testing approach. The test scope includes the following:
* Testing of all functions and use cases requirements listed in the Product Backlog document.
* Quality requirements and fit the SPMS metrics.
* End-to-end testing of the SPMS platform.
  1. **References**

**Table 1.3*:*** *References.*

|  |  |
| --- | --- |
| **No.** | **Reference** |
| 1 | Proposal Document |
| 2 | User Story Document |
| 3 | Product Backlog Document |
| 4 | Project Plan Document |

# **Test plan**

* Unit test
* Integration testing

# **Test specification**

* 1. **Features to be tested**
* About Page
* Introduction
* Notification (Student, Mentor and Admin)
* Student Account Management
* Lecturer Account Management
* Lecturer Profile
* My Topic
* Sample Topic
* Sample Document
* List Group
* My Group
* Topic Management
* Document Management
* Topic Approval
* Group Management
* Group Form
* Assign Mentor
* Task Management
* Task Management by Stage
* Defense Management
* Defense Form
* Contribution Report
* Assign Defense
* Calendar
* Scoreboard
* Grade Form
  1. **Feature not to be Tested**
* Sign out.
  1. **Test deliverables**
* Test Plan Document
* Test Case Document
* Test Summary Report

# **Test schedule**

**Table 4**: *Test schedule.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | **Start** | **Finish** | **Duration** | **Resource** |
| 1 | About Page | 15/03/2022 | 15/03/2022 | 1 | Huy |
| 2 | Introduction | 15/03/2022 | 15/03/2022 | 1 | Huy |
| 3 | Notification (Student, Mentor and Admin) | 16/03/2022 | 16/03/2022 | 2 | Huy |
| 4 | Student Account Management | 15/03/2022 | 15/03/2022 | 1 | Dat |
| 5 | Lecturer Account Management | 15/03/2022 | 15/03/2022 | 1 | Dat |
| 6 | Lecturer Profile | 16/03/2022 | 16/03/2022 | 1 | Dat |
| 7 | My Topic | 05/04/2022 | 05/04/2022 | 1 | Huy |
| 8 | Sample Topic | 05/04/2022 | 05/04/2022 | 1 | Huy |
| 9 | Sample Document | 06/04/2022 | 06/04/2022 | 1 | Huy |
| 10 | List Group | 06/04/2022 | 06/04/2022 | 1 | Huy |
| 11 | My Group | 06/04/2022 | 06/04/2022 | 1 | Huy |
| 12 | Topic Management | 05/04/2022 | 05/04/2022 | 1 | Dat |
| 13 | Document Management | 05/04/2022 | 05/04/2022 | 1 | Dat |
| 14 | Topic Approval | 06/04/2022 | 06/04/2022 | 1 | Dat |
| 15 | Group Management | 06/04/2022 | 06/04/2022 | 1 | Dat |
| 16 | Group Form | 06/04/2022 | 06/04/2022 | 1 | Dat |
| 17 | Assign Mentor | 06/04/2022 | 06/04/2022 | 1 | Dat |
| 18 | Task Management | 27/04/2022 | 27/04/2022 | 2 | Huy |
| 19 | Task Management by Stage | 27/04/2022 | 27/04/2022 | 3 | Huy |
| 20 | Defense Management | 27/04/2022 | 27/04/2022 | 2 | Huy |
| 21 | Defense Form | 27/04/2022 | 27/04/2022 | 2 | Huy |
| 22 | Contribution Report | 27/04/2022 | 27/04/2022 | 2 | Dat |
| 23 | Assign Defense | 27/04/2022 | 27/04/2022 | 2 | Dat |
| 24 | Calendar | 27/04/2022 | 27/04/2022 | 2 | Dat |
| 25 | Scoreboard | 11/05/2022 | 11/05/2022 | 2 | Huy |
| 26 | Grade Form | 11/05/2022 | 11/05/2022 | 2 | Huy |

# **Test cycle entry and exit criteria**

* 1. **Entry criteria**
* All test hardware platforms must have been successfully installed, configured, and functioning properly.
* All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
* Proper test case is available.
* The test environment such as, lab, hardware, software, and system administration support should be ready.
  1. **Exit criteria**
* All test cases have been run.
* A certain level of requirements coverage has been achieved.
* No high priority or severe bugs are left outstanding.
* All high-risk areas have been fully tested, with only minor residual risks left outstanding.
* The schedule has been achieved.