

CMU-SE451 Capstone Project II

# TEST PLAN DOCUMENT FOR SPRINT 1

ENGLISH REVIEW SYSTEM

## Submitted by

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**PROJECT INFORMATION**

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| --- | --- | --- | --- |
| **Project**  **acronym** | ER System | | |
| **Project title** | English Review System | | |
| **Start date** | March 1st, 2021 | **End Date** | Jun 2th, 2021 |
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**TEST PLAN DOCUMENT**

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| **1.0** | Loc, Thanh Vo  Linh, Le Thi | March 1st, 2021 | Create Test plan for  sprint 1 |

## SIGNATURE

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## Introduction

## Purpose

The purpose of the Test Plan is to define, schedule and monitor the test execution. It supports the following objectives:

* + - Provide a high-level list of the major target test functions.
    - List the Requirements for Test.
    - Describe the testing strategies to be employed on each target test functions.
    - Identify the required resources and schedule the Test execution.

## Scope

This Test Plan is for release TEST PLAN FOR ENGLISH REVIEW SYSTEM

The Test Plan defines the unit, system testing approach. The test scope includes the following:

* + - Testing of all functions, application performance and use case requirements listed in the Product Backlog document.
    - Quality requirements and fit “English Review System” metrics.
    - End-to-end testing of the “English Review System” Platform.

## Out of Scope

The following are considered out of scope for “English Review System” Test Plan and testing scope:

* + - Functional requirements testing for Business Information Management System Platform.

## Document Terminology and Acronyms:

|  |  |  |
| --- | --- | --- |
| **ID.** | **Item** | **Description** |
| TA01 | English Review | English Review System |

## References

Applicable references are:

* [ER] Proposal\_ver.1.2
* [ER] UserStory\_ver.1.1
* [ER] ProductBacklog\_ver.1.1
* [ER] ProjectPlan\_ver.1.1

## Target Test Areas

* Backend testing
* GUI Testing
* Functional Testing
* System Testing

## Test Specification

## Features to be tested

* [Server/Backend] Login for Learner
* [Server/Backend] Logout for Learner
* [Server/Backend] Register for Learner
* [Server/Backend] Create an API to send lesson list data to the client
* [Server/Backend] Create an API to send lesson content data to the server
* [Server/Backend] Create an API to send practice content data to the client
* [Server/Backend] Create an API to send practice according to lesson data to the client
* [Frontend] UI for the Login screen (Learner)
* [Frontend] UI for the Register screen (Learner)
* [Frontend] UI for the learner profile (Learner)
* [Frontend] UI for  the lesson page (Learner)
* [Frontend] UI for  the practice page (Learner)

## Feature not to be tested

Not applicable as all features will be tested.

## Test Deliverables

* Test Plan Document.
* Test Case Document.
* Test Summary Report.

## Test Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Task Name** | **Start** | **Finish** | **Duration (hrs.)** | **Resource** |
| **1** | **Sprint 1** | **18/03/2021** | **14/04/2021** | **446** | **All members** |
| **1.1** | **Design test case** | **20/03/2021** | **20/03/2021** | **40** | **Loc, Linh** |
|  | [Server/Backend] Login for Learner | 19/03/2021 | 19/03/2021 | 3 | Loc |
|  | [Server/Backend] Logout for Learner | 19/03/2021 | 19/03/2021 | 3 | Loc |
|  | [Server/Backend] Register for Learner | 19/03/2021 | 19/03/2021 | 3 | Loc |
|  | [Server/Backend] Create an API to send lesson list data to the client | 19/03/2021 | 19/03/2021 | 3 | Loc |
|  | [Server/Backend] Create an API to send lesson content data to the server | 19/03/2021 | 19/03/2021 | 4 | Loc |
|  | [Server/Backend] Create an API to send practice content data to the client | 19/03/2021 | 19/03/2021 | 4 | Linh |
|  | [Server/Backend] Create an API to send practice according to lesson data to the client | 20/03/2021 | 20/03/2021 | 3 | Linh |
|  | [Frontend] UI for the Login page (Admin) | 20/03/2021 | 20/03/2021 | 3 | Linh |
|  | [Frontend] UI for the Login screen (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |
|  | [Frontend] UI for the Register screen (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |
|  | [Frontend] UI for the learner profile (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |
|  | [Frontend] UI for  the lesson page (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |
|  | [Frontend] UI for  the practice page (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |
| **1.2** | **Testing** | **07/04/2021** | **09/04/2021** | **32** | **Loc, Linh** |
|  | [Server/Backend] Login for Learner | 07/04/2021 | 07/04/2021 | **2** | Loc |
|  | [Server/Backend] Logout for Learner | 07/04/2021 | 07/04/2021 | **2** | Loc |
|  | [Server/Backend] Register for Learner | 08/04/2021 | 08/04/2021 | **2** | Loc |
|  | [Server/Backend] Create an API to send lesson list data to the client | 08/04/2021 | 08/04/2021 | **3** | Loc |
|  | [Server/Backend] Create an API to send lesson content data to the server | 08/04/2021 | 08/04/2021 | **3** | Loc |
|  | [Server/Backend] Create an API to send practice content data to the client | 08/04/2021 | 08/04/2021 | **3** | Linh |
|  | [Server/Backend] Create an API to send practice according to lesson data to the client | 08/04/2021 | 08/04/2021 | **3** | Linh |
|  | [Frontend] UI for the Login page (Admin) | 09/04/2021 | 09/04/2021 | **2** | Linh |
|  | [Frontend] UI for the Login screen (Learner) | 09/04/2021 | 09/04/2021 | **3** | Linh |
|  | [Frontend] UI for the Register screen (Learner) | 09/04/2021 | 09/04/2021 | **2** | Linh |
|  | [Frontend] UI for the learner profile (Learner) | 09/04/2021 | 09/04/2021 | **2** | Linh |
|  | [Frontend] UI for  the lesson page (Learner) | 09/04/2021 | 09/04/2021 | **3** | Linh |
|  | [Frontend] UI for  the practice page (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |
| **1.3** | **Re- Testing** | **12/04/2021** | **12/04/2021** | **16** | Toan, Phuong |
|  | [Server/Backend] Login for Admin | 12/04/2021 | 12/04/2021 | 2 | Toan |
|  | [Server/Backend] Logout for Admin | 12/04/2021 | 12/04/2021 | 2 | Toan |
|  | [Server/Backend] Login for Learner | 12/04/2021 | 12/04/2021 | 1 | Toan |
|  | [Server/Backend] Logout for Learner | 12/04/2021 | 12/04/2021 | 1 | Toan |
|  | [Server/Backend] Register for Learner | 12/04/2021 | 12/04/2021 | 1 | Toan |
|  | [Server/Backend] Create an API to send lesson list data to the client | 12/04/2021 | 12/04/2021 | 1 | Toan |
|  | [Server/Backend] Create an API to send lesson content data to the server | 12/04/2021 | 12/04/2021 | 1 | Toan |
|  | [Server/Backend] Create an API to send practice content data to the client | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Server/Backend] Create an API to send practice according to lesson data to the client | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Frontend] UI for the Login page (Admin) | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Frontend] UI for the Login screen (Learner) | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Frontend] UI for the Register screen (Learner) | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Frontend] UI for the learner profile (Learner) | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Frontend] UI for  the lesson page (Learner) | 12/04/2021 | 12/04/2021 | 1 | Phuong |
|  | [Frontend] UI for  the practice page (Learner) | 20/03/2021 | 20/03/2021 | 3 | Linh |

## Test Cycle Entry and Exit Criteria

## Entry Criteria

* + - All testing 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.

## 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.

## Environmental Needs

## Hardware and Software

|  |  |  |
| --- | --- | --- |
| **Resource** | **Configuration** | **Installed OS, Software** |
| Laptop |  | Window 10 |

## Productivity and Support Tools

|  |  |  |  |
| --- | --- | --- | --- |
| **Tool’s purpose** | **Tool Name** | **Vendor or In-house** | **Version** |
| Test APIs, examine  responses | Postman |  | 5.5.5 |

## Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| **Roles** | **Resources** | **Responsibilities** |
| Scrum Master | Phuong, Dau Tuan | * Ensure the project is delivered to schedule, budget & quality. * Regularly review Testing progress with Test Leader. * Raise and manage issues/risks relating to the project or outside Test Teams control. * Review Test approach, plans and schedule. * Provide technical support |
| Develop Team | Phuong, Dau Tuan  Linh, Le Thi  Toan, Truong Nguyen Vinh  Loc, Vo Thanh | * Review high level / detailed test plans * Resolve design issues * Resolve development issues * Support user acceptance testing * Develop Unit test scripts * Make Unit test * Fix bugs |
| QA Team | Phuong, Dau Tuan  Linh, Le Thi  Toan, Truong Nguyen Vinh  Loc, Vo Thanh | * Identifies, prioritizes, and implements test cases * Generate test plan * Generate Test Suite * Evaluate the effectiveness of test effort * Execute tests * Log results * Recover from errors * Document defects * Regularly review Testing progress * Manage issues/risks relating to System Test Team * Identify Test Data |