**Test Plan**

**Upload Features**

**Status: Initiation**

**Approved By:**

**Released By: Pham Thi Truc Ly**

**Document Revision History**

| **Ver.** | **Date** | **Changed by** | **Modifications** |
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| 0.1 | 22 Feb 2023 | Pham Thi Truc Ly | Initiation |
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# Introduction

The purpose of this document is to gather the necessary information and describe about automating regression tests activities for the upload features.

# Test planning

**2.1 Project test scope**

The test item(s) are the developed upload features need to be tested.

Regression testing of the upload featured based on defined test cases.

**2.2 Objectives**

The test plan for upload features supports the following objectives:

* Test case creation
* Test case implementation
* Test case execution
* Assure the upload featers meet full requirements.
* Any changes to the quirements will be documented and refression tested within the remaining imte of the project and within the abilitiy of the test team.

1. **Overall schedule of the testing tasks**

The diagram below outlines the Test Plan that will be followed.

**3.1 Planning & Learning:**

* Ensuring to develop a system test plan consistent with the release strategy.
* Learning and understanding the system to test effectively.
* Understanding the requirement of upload features.
* Ensuring the feature is working as expected.

**3.2 Test case Design/implementation:**

* Identify the requirement and learn the feature per the schedule & planning.
* Identify test case steps and expected results.
* Ensure the feature is covered.
* Test cases are automated for regression test of Upload feature.

**3.3 Test case Execution:**

* Execute the automated test cases.
* Debug test scripts.
* Record the issue & update status into the test results file.

**3.4 Result Analysis and Report:**

* Record the test results and analyze it.
* Catalog the identified bugs
* Evaluate the defects
* Not down the learnings
* All results will be documented and given to the Development Team as necessary
* Re-conduct testing in case the completion criteria is not met based on the outcome of the testing process if discrepancies exist.

# Testing Types

# Functional testing: All the test cases of upload functionality must be tested by automation

|  |  |
| --- | --- |
| **Test Objective:** | Ensure the uploaded features is working as requirements |
| **Technique:** | * Automation test |
| **Completion Criteria:** | * All planned tests have been executed. * All identified defects have been addressed. |
| **Test type** | Functional Test |

# Test Levels

Regression test by automation

# Roles and responsibilities within the test organization

|  |  |  |
| --- | --- | --- |
| **Test Activity** | **Responsibilities** | **Resources** |
| Automation Testing | * Create and Update Test Plan * Analyse new requirements, features, changes * Create test cases * Review test cases * Automate functional test cases * Analyse and debugs with test failures/errors * Collect and report test results * Analyse and categorize the bugs and follow up to make sure that the bug is fixed. | Test Team |

# Functions To Be Tested

Feature: Upload files

# Test environments

| **Item Name** | **Description** |
| --- | --- |
| Visual Studio Code | Tool for writing test scripts. |
| Selenium Javascript | Tool is used to automate testing on web browsers. |
| Cucumber | Testing framework supports BDD syntax |
| Firefox, Chrome | Testing environments |

# Strategy of testing:

* 1. ***Testing phases:***

Main stages of work as below:

* + - Get information about the application (how to access the application, test data)
    - Analyze requirement to design test cases
    - Perform automation test for functional tests
    - Identify and troubleshooting the bottlenecks of application
    - Review and revise test cases
    - Bug reporting, verify bug
  1. ***Acceptance criteria:***
* Requirement is received and confirmed.
* Testing team has access to the application, has all required test data.
* The system is fully configured and ready for testing.
  1. ***Completion criteria:***
* All test scenarios of the plan for functional testing are performed.
* Result reports are prepared and sent
  1. ***Reporting***

Summary of testing report should include

* All testing activities with status
* List of all defects/issues
* Testing documents

# Test completion

|  |  |  |
| --- | --- | --- |
| **Deliverable** | **Frequency (delivery time)** | **Delivery method** |
| Test Plan | One time before testing | N/A |
| Scenario testing | Before testing | N/A |
| Test Results | After test execution | N/A |
| Test Results Presentation | After test execution | N/A |