Redmine
Test Plan

INTRODUCTION

This document describes the methods and procedures that will be used in the testing process of the web-site. It describes the procedure of the testing process. The objective of the testing activities is to check functions and features of the web-site.

Scope

The following components and functions would be tested:

1. Registration

2. Authorization

3. Search box on the page

4. Opening the tasks page and applying the filter

5. Review statistics on the "Storage" page, review of editions and differences between them.

Quality Objective

A primary objective of testing application systems is to: assure that the system meets the full requirements. At the end of the project development cycle, the user should find that the project has met or exceeded all of their expectations as detailed in the requirements.

Any changes, additions, or deletions to the requirements document, Functional Specification, or Design Specification will be documented and tested at the highest level of quality allowed within the remaining time of the project and within the ability of the test team.

The secondary objective of testing application systems will be to: identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate matter before release. As an objective, this requires careful and methodical testing of the application to first ensure all areas of the system are scrutinized and, consequently, all issues (bugs) found are dealt with appropriately.

Roles and Responsibilities

Detail description of the Roles and responsibilities of different team members like Tester, Test Manager and others.

TEST METHODOLOGY

Overview

The purpose of the Test Plan is to achieve the following:

•   Define testing strategies for each area and sub-area to include all the functional and quality (non-functional) requirements.

•   Identify testing risks.

•   Identify required resources and related information.

Test Levels

Test Levels define the Types of Testing to be executed on the Application Under Test (AUT). The Testing Levels primarily depends on the scope of the project, time and budget constraints.

Bug Triage

Bug Triages will be held throughout all phases of the development cycle. Bug triages will be the responsibility of the Test Lead. Triages will be held on a regular basis with the time frame being determined by the bug find rate and project schedules.

The purpose of the triage is to determine the type of resolution for each bug and to prioritize and determine a schedule for all "To Be Fixed Bugs'.

Test Completeness

Testing will be considered complete when the following conditions have been met:

Standard Conditions:

•   When Adopters and Developers, agree that testing is complete, the app is stable, and agree that the application meets functional requirements.

•   Script execution of all test cases in all areas have passed.

•   Automated test cases have in all areas have passed.

•   All priority 1 and 2 bugs have been resolved and closed.

•   NCI approves the test completion

•   Each test area has been signed off as completed by the Test Lead.

•   50% of all resolved severity 1 and 2 bugs have been successfully re-regressed as final validation.

•   Ad hoc testing in all areas has been completed.

REVISIONS HISTORY

Revision No.	Date of Issue	Author	Description
1	01.08.2022	Diana Voitsekhovska	Create test cases and implement these tests in playwright and raid or allure report.
2	01.08.2022	Diana Voitsekhovska	Deploy tests to GitHub and launch a pipeline.

TEST CASES

Number	Action	Expected result	Test result
1	**Registration on the page**		
	Steps:		
1.1	Go to the page https://www.redmine.org/.	The page of Redmine is opened.	Passed
1.2	Click on the Registration Link.	The page of registration is opened.	Passed
1.3	Fill in the registration fields.	Registration fields are filled.	Passed
1.4	Click on the Accept button.	Registration was successful and confirmation is visible.(Upon re-registration, a message that the user is already registered will be visible)	Passed
2	**Authorization**		
	Steps:		
2.1	Go to the page https://www.redmine.org/.	The page of Redmine is opened.	Passed
2.2	Click on the Login Link.	The page of login is opened.	Passed
2.3	Fill username and password.	Username and password are filled.	Passed

2.4	Click on the Submit button and check that text after click is correct.	Authorization was failed and message "username or password is incorrect" is visible.	Passed
2.5	Take a screenshot.	Screenshot is saved.	Passed
3	**Search box on the page**		
	Steps:		
3.1	Go to the page https://www.redmine.org/.	The page of Redmine is opened.	Passed
3.2	Click on the Search input.	The Search input is clicked.	Passed
3.3	Fill text in the Search input.	The text is filled.	Passed
3.4	Press "Enter".	Search completed.	Passed
3.5	Click on the checkboxes "Only titles" and "All words".	The checkboxes is clicked.	Passed
3.6	Click on the Accept button.	The Accept button is clicked and search completed by text in titles.	Passed
3.7	Verify that number of results is correct.	The number of results corresponds to the desired one.	Passed
4	**Opening the tasks page and applying the filter**		
	Steps:		
4.1	Go to the page https://www.redmine.org/.	The page of Redmine is opened.	Passed
4.2	Click on the News Link.	The page of tasks is opened.	Passed
4.3	Add and change Priority filter.	Priority filter is added, visible on the page and changed.	Passed
4.4	Add and change Category filter.	Category filter is added, visible on the page and changed.	Passed
4.5	Click on the Apply button.	Apply button is clicked and tasks are sorted by filter.	Passed

4.6	Click on the first task.	First task is opened.	Passed
4.7	Verify some text on the page.	The text is correct.	Passed
5	**Review statistics on the "Storage" page, review of editions and differences between them.**		
	Steps:		
5.1	Go to the page https://www.redmine.org/.	The page of Redmine is opened.	Passed
5.2	Click on the Storage Link.	The page of storage is opened.	Passed
5.3	Click on the link with all revisions.	All revisions are visible.	Passed
5.4	Click on the any checkboxes.	Checkboxes are clicked.	Passed
5.5	Move to the Submit button.	The Submit button is visible.	Passed
5.6	Click on the Submit button.	A document with a comparison is opened.	Passed
5.7	Verify some text on the page.	The text is correct.	Passed