

Test Plan

Book Store Application Software Testing

Quality Assurance
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Table of Contents

Table of Contents	2
1. Introduction	3
1.1 Purpose	3
1.2 Background	3
1.3 Scope	3
1.4 Project Identification	3
2. Requirement for Test	4
3. Test Strategy	4
3.1 Test Types	4
3.1.1 Web UI	4
3.2 Tools	5
4. Resources	5
4.1 System	5
5. Project Milestones	6
6. Deliverables	6

Test Plan

1. Introduction

Test Plan defined as a document used to provide a comprehensive explanation of the test's procedure. Test Plan used to determine the effort needed to validate the quality of the application under test. Our objective is Book Store Application from Demoqa. The test project, any resources that will be used for testing, any features that will be tested, and so on are all outlined in the test plan.

1.1 Purpose

The purpose of this test plan document is to :

- a. Identify the software's features or parts that need to be tested.
- b. Specify the kind of testing that will be used for the test.
- c. Choose the instruments for the testing.

1.2 Background

To make sure that the software or system being tested meets the requirements, testing is necessary. Testing is also carried out to look for any potential flaws in the developed system. To execute the test, a test plan record is required. In order to achieve the anticipated objectives and outcomes, this test plan is created to serve as a reference during testing.

1.3 Scope

This document contains testing of the Book Store Application web system at <https://demoqa.com/books>. The scope to be tested includes testing the functionality, manually, user interface, and automation of each feature on the web such as authorized user (register, login, logout, delete account) and collection(add, delete).

1.4 Project Identification

Document	Author or Resources
Requirements Specification	Samuel
Functional Specification	Samuel
Project Plan	Samuel

2. Requirement for Test

For Web UI the system being tested, which is AltaShop. Tools that are used for testing such as:

1. Katalon Studio for Web UI automation testing.
2. Google Docs for document test and report.
3. Google Sheet for test documentation.

3. Test Strategy

3.1 Test Types

3.1.1 Web UI

1. Manual Testing

a. Function Testing

Test Objective	Ensure the functionality of all features run as expected.
Technique	Test every button on the system is running well. Test every form input with various conditions
Tested Function	User, Filter, Order, Ratings, History
Completion Criteria	Verify whether the input displayed matches the input made. Verify the result are same as expected

b. Integration Testing

Test Objective	Combines all the existing cases in the feature so that the feature can run well over.
Technique	Test every input form can make result same as expected
Completion Criteria	The appearance of the application is easy to use by the user

2. Automation Testing

a. Function Testing

Test Objective	Ensure the functionality of all features run as expected.
Technique	Test every button on the system is running well. Test every form input with various conditions

Tested Function	User, Filter, Order, Ratings, History
Completion Criteria	Verify whether the input displayed matches the input made. Verify the result are same as expected

b. Integration Testing

Test Objective	Combines all the existing cases in the feature so that the feature can run well over.
Technique	Test every input form can make result same as expected
Completion Criteria	The appearance of the application is easy to use by the user

3.2 Tools

	Tool	Vendor	Version
Web UI	Katalon Studio	Katalon	8.3.5
Test Case Document	Google Docs	Google	2019
	Google Sheet	Google	2019
Test Plan and Report	Google Docs	Google	2019

4. Resources

4.1 System

The following is a list of equipment requirements from the implementation of the test.

System Resources	
Resource	Name/Type
Web UI	https://demoqa.com/books
PC Processor RAM Operation System	Intel Core i5-2540M 4 GB Windows 7 Pro 64-bit

Software Test	Katalon Studio Google Docs Google Sheet
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5. Project Milestones

No	Milestone Task	Start date	End date
1.	Plan Test	24/01/2022	01/02/2022
2.	Design Test	24/01/2022	02/02/2022
3.	Implement Test	24/01/2022	04/02/2022
4.	Execute Test	10/02/2022	05/02/2022
5.	Report Test	04/02/2022	05/02/2022

6. Deliverables

The deliverable of the tests that have been carried out is in the form of a list of test results documentation. Such as :

- a. Document test plan.
That is a document created using Google Docs that contains a plan on how the testing will be carried out and the requirements and types of tests that will be implemented.
- b. Document matrix
Contains information about the modules that will be tested on each system complete with what features are in each module. This document will make it easier to create test scenarios that will be made.
- c. Document Test Scenario.
Is a document that contains information about what test scenarios will be run complete with test cases, test data, and expected results.
- d. Report
Contains an overall report related to the results of tests that have been carried out on each system.

Appendix A: Project Tasks

1.	Plan Test
2.	Identify Requirements for Test
3.	Design Test
5.	Identify and Describe Test Cases

6.	Implement Test
7.	Record or Program Test Scripts
8.	Execute Test
9.	Evaluate Execution of Test
10.	Report Test