

e-Commerce Web Site Test Plan

Version 1.0

RN Sulakkana

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Version History

Version	Implemented By	Revision Date	Approved Date	Approved By	Reason
1.0	RN Sulakkana	01/09/2024	18/09/2024	WPS Fernando	Test Plan Draft

1.0 Introduction

This document is going to cover the test plan for a new e-commerce website with functionality including Multiple payment methods, Shipping options and address management, Order summary and review, Order confirmation and receipt generation. The ultimate goal is to ensure that all functionalities are working correctly according to the user requirements to satisfy them and give the best user experience.

Functional and non-functional testing related to the e-commerce website is going to be recorded here.

2.0 Test Items and Resources

In accordance with the project, the following are the main test items and the objectives of the Testing of the project.

- Need to verify that the website's core features which are payment, shipping, order review, and confirmation work as expected.
- Should validate that the system functions correctly across supported browsers and devices.
- Ensure that user data is handled securely, especially for payment and shipping.
- Ensuring the website is stable, functional, and user-friendly.

Tester: RN Sulakkana

Role: Quality Assurance Engineer

3.0 Scope of Testing

3.1 In scope:

Functional Testing: Examine essential features including order summary, confirmation, delivery choices, and payment methods. The system should undergo Unit, Integration, System, and UAT testing to ensure that it is functioning properly.

Usability Testing: Test the usability of the user interface to make sure it is simple to use and intuitive.

Compatibility Testing: Verify that the product is compatible with a variety of platforms (desktop, tablet, mobile) and the major browsers (Chrome, Firefox, Safari, and Edge).

Security Testing: Verify that user data is handled and stored securely (ex: addresses, credit card numbers).

Performance Testing: Verify website responsiveness, transaction processing times, and page load times.

3.2 Out scope:

Testing of product recommendations, social media integrations, etc.

4.0 Features To Be Tested

Multiple payment methods:

Payment using different methods, such as credit/debit cards, PayPal, etc.

Check for invalid payments and validation of Card details with invalid/valid details.

Shipping options and address management:

Shipping cost calculation based on the destination, product weight and shipping method.

Address validation.

Add, edit and delete the address

Order summary and review:

Ensure the display of the order summary including item details, shipping method, and Total cost with full details.

Allow users to make an edit and cancel the order.

Ensure that the discounts and promo codes are calculated correctly

Order confirmation and receipt generation:

Generate an order confirmation notification with the order number

Display full order details with the estimated delivery date and order tracking

5.0 Approach

Test Strategy

Types of testing to be performed.

- **Functional Testing:**

Testing each feature with positive and negative test cases

- **Regression Testing:**

Test functionality to ensure that the new code changes do not affect existing features

- **Integration Testing:**

Ensure that all modules work tighter as expected.

- **Performance and Security Testing**

6.0 Test Deliverables

- Test cases / Test Data.
- Test execution reports.
- Defect reports and logs.
- Final test summary report.

7.0 Test Environmental

Identify the supported browsers, supported devices and Test data.

For example:

Supported Browsers:

Chrome

Firefox

Microsoft Edge

Supported Devices:

Desktop (Windows, MacOS)

Tablets (iPad, Android)

Mobile (iOS, Android)

8.0 Schedule

The Test Schedule needs to be updated here.

9.0 Risks and Contingencies

- Lack of personnel resources when testing is to begin.
- Lack of availability of required hardware, software, data or tools.
- Late delivery of the software, hardware or tools.
- Delays in training on the application and/or tools.