

# Test Plan for E-commerce Website Testing

## 1. Introduction

This document delineates the test strategy for performing manual testing on an e-commerce platform. The aim of this test strategy is to establish the approach, boundaries, goals, resources, timeline, and outcomes of the testing procedures.

## 2. Test Objectives

The primary objective of this testing effort is to ensure the functionality, usability, and robustness of key features on the e-commerce website, including:

- User authentication (sign in, login, password reset)
- Account creation
- Product search, filtering, and sorting
- Cart operations (add, remove, update quantity)
- Checkout process (valid and invalid payment scenarios, address management)
- Order history and account management

## 3. Scope

The scope of this test plan includes the following features:

- User Authentication: Sign in, login, and password reset functionalities.
- Account Creation: Valid and invalid account creation scenarios.
- Product Search: Search functionality using various criteria.
- Product Filtering and Sorting: Filtering and sorting products by different parameters (e.g., color, price, popularity).
- Cart Operations: Adding items to the cart, removing items from the cart, and updating item quantities.
- Checkout Process: Payment processing with valid and invalid details, address management.
- Order History and Account Management: Viewing order history, managing personal information, and address book.

## 4. Test Strategy

The testing strategy involves:

- Designing and executing manual test cases for each feature.
- Reporting bugs and tracking issues using JIRA.
- Re-testing resolved issues to ensure fixes are effective.

## 5. Test Environment

The testing will be conducted in a staging environment that mirrors the production environment as closely as possible. The environment will include:

- Web browsers: Chrome, Firefox, Edge
- Operating systems: Windows 10

## 6. Test Deliverables

The deliverables for this testing effort include:

- Test Plan Document
- Test Cases Document

## 7. Schedule

The testing schedule is as follows:

Activity	Start Date	End Date
Test Planning	May 3, 2024	May 4, 2024
Test Case Design	May 5, 2024	May 7, 2024
Test Environment Setup	May 8, 2024	May 9, 2024
Test Execution	May 10, 2024	May 16, 2024
Bug Reporting and Tracking	May 17, 2024	May 17, 2024
Test Summary Report Creation	May 18, 2024	May 19, 2024

## 8. Test Cases

The test cases will cover the following scenarios:

Test Case ID	Test Case Title	Description
TC001	Verify sign in and login page elements	Ensure all necessary elements are present on the sign-in and login page

TC002	Create Account with invalid Email ID	Test account creation with an invalid email ID.
TC003	Product Search	Verify product search functionality using different criteria
TC004	Product Filtering by Color	Test product filtering functionality by color
TC005	Product Sorting by Price	Verify product sorting functionality by price.
TC006	Add Item to Cart	Test adding items to the cart
TC007	Remove Item from Cart	Test removing items from the cart.
TC008	Update Item Quantity in Cart	Test updating item quantities in the cart.
TC009	Valid Payment Details	Verify checkout process with valid payment details.
TC010	Invalid Payment Details	Verify checkout process with invalid payment details
TC011	Address Management	Test adding, editing, and deleting addresses.
TC012	Order History	Verify that users can view their order history.
TC013	View Specific Order Details	Verify that users can view details of a specific order
TC014	Edit Personal Information	Test editing personal information and ensure required fields validation.
TC015	Logout	Verify successful logout and session handling.

## 9. Bug Reporting

All bugs identified during testing will be reported in JIRA, following the format:

- Bug ID
- Title
- Description
- Steps to Reproduce
- Expected Result
- Actual Result
- priority

- Status

## **10. Resources**

The resources required for this testing effort include:

- Testers: 2 manual testers
- Tools: Excel/Google Sheets (for documentation)

## **11. Entry and Exit Criteria**

Entry Criteria:

- Test environment is set up and stable.
- Test cases are reviewed and approved.
- Access to necessary tools and data is available.

Exit Criteria:

- All planned test cases are executed.
- All identified bugs are reported and tracked.
- High and medium severity bugs are resolved and re-tested.
- Test summary report is created and reviewed.

## **12. Risk and Mitigation**

Risks:

- Delay in environment setup.
- Incomplete test cases.

Mitigation:

- Ensure timely communication with the environment setup team.
- Regular reviews and updates of test cases.