### **E-commerce Website Test Plan: Personal QA Project: E-commerce**

**Document Version:** 1.0

**Date:** 07/24/2025

**Author:** Urmila Patil

### **1. Introduction**

This document outlines the comprehensive test plan for the manual testing of the E-commerce website. The purpose of this plan is to detail the scope, objectives, approach, resources, and schedule of all testing activities. This plan will serve as the guiding document to ensure the website meets the required quality standards before launch.

### **2. Project Overview**

This E-commerce Website is an online retail platform designed to sell clothing. The website's primary goal is to provide a seamless and secure shopping experience for customers.

### **3. Scope of Testing**

#### **3.1. In-Scope Features:**

The following features and functionalities will be thoroughly tested:

* **Homepage:** Navigation, banners, featured products, and footer links.
* **User Registration and Login:** New account creation, login with valid/invalid credentials, and "Forgot Password" functionality.
* **Product Search and Navigation:** Keyword search, search suggestions, and category-based browsing.
* **Product Filtering and Sorting:** Filtering by price, brand, etc., and sorting by relevance, price, etc.
* **Product Details Page:** Verification of product name, images, description, price, and "Add to Cart" functionality.
* **Shopping Cart:** Adding/removing items, updating quantities, and viewing the order summary.
* **Checkout Process:** Guest checkout and registered user checkout.
* **Order Management:** Viewing order history and order status.
* **User Account Management:** Updating profile information and shipping addresses.

### **4. Test Objectives**

* To ensure all core e-commerce functionalities are working as expected.
* To identify and report any defects or usability issues.
* To verify a consistent and intuitive user experience across different browsers.
* To ensure the security of user data and payment information.

### **5. Testing Strategy**

The following types of manual testing will be conducted:

* **Functional Testing:** To verify that each feature works according to the requirements.
* **Usability Testing:** To evaluate the website's ease of use and overall user experience.
* **Compatibility Testing:** To ensure the website functions correctly on the latest versions of major browsers (Chrome, Firefox, Safari).
* **Security Testing:** To check for basic security vulnerabilities, such as improper data handling.

### **6. Test Environment**

| **Component** | **Specification** |
| --- | --- |
| **Operating Systems** | Windows 11 |
| **Browsers** | Google Chrome (latest), Mozilla Firefox |
| **Test URL** | https://academybugs.com |
| **Test Accounts** | At least 2-3 test user accounts will be created. |

### **7. Test Deliverables**

* **Test Plan (this document):** A detailed guide for the testing process.
* **Test Cases:** A separate document containing detailed test scenarios and steps.
* **Defect Reports:** Comprehensive reports for each bug identified, including steps to reproduce, severity, and priority.
* **Test Summary Report:** A final report summarizing the testing activities, results, and overall quality of the website.

### **8. Roles and Responsibilities**

| **Role** | **Name(s)** | **Responsibilities** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
| **QA Tester** | Urmila patil | Test case execution, defect reporting, and verification. |

### **9. Entry and Exit Criteria**

#### **9.1. Entry Criteria:**

* The test plan and test cases are reviewed and approved.
* The test environment is stable and ready for testing.
* All major features to be tested are code-complete.

#### **9.2. Exit Criteria:**

* All planned test cases have been executed.
* There are no open critical or high-severity defects.
* The test summary report has been reviewed and approved by stakeholders.

### **10. Risks and Mitigation**

| **Risk** | **Mitigation Plan** |
| --- | --- |
| **Tight Deadlines** | Prioritize test cases based on critical functionalities. |
| **Unstable Test Environment** | Coordinate with the development team to ensure a stable build for testing. |
| **Changes in Requirements** | Regularly communicate with the project team to stay updated on any changes. |