

# Requirement Document

## 1. Introduction

The purpose of this document is to outline the test requirements for manual testing of the following modules/pages of the ecommerce website:

- Homepage
- Search Functionality
- Product Details Page
- Add to Cart Functionality
- Checkout Process
- Orders Page
- Customer Service Page

## 2. Objectives

The objectives of manual testing for each module/page are to:

- Ensure functionality and usability meet specified requirements.
- Verify correct integration and interaction between different modules.
- Validate data accuracy and reliability across user interactions.
- Identify and report any defects or inconsistencies in the application.

## 3. Scope

The scope of testing includes:

- Verification of user interface elements and navigation.
- Validation of functional requirements for each module/page.
- Testing across different browsers (Chrome, Firefox, Edge, etc.) and devices (desktop, mobile).
- Testing for typical user scenarios as well as edge cases.
- Integration testing where applicable, especially between modules like Add to Cart and Checkout.

## 4. Approach

Manual testing will be conducted based on predefined test scenarios and cases. The approach includes:

- **Test Scenario Design:** Each module/page will have specific test scenarios covering various functionalities and user interactions.
- **Execution:** Test cases will be executed manually by following step-by-step instructions.
- **Documentation:** Results, observations, and defects will be documented systematically for each test case.

## 5. Test Scenarios

## 5.1 Homepage

### 1. Verify Homepage Elements:

- Open the browser and navigate to the homepage.
- Check for the presence of navigation bar, product categories, and promotional banners.
- Expected Result: All homepage elements should be displayed correctly and functional.

### 2. Homepage Responsiveness:

- Access the homepage using different browsers and devices (desktop, mobile).
- Ensure the homepage layout adapts responsively without visual or functional issues.
- Expected Result: Consistent display and functionality across browsers and devices.

### 3. Homepage Load Time:

- Measure the load time of the homepage using appropriate tools.
- Ensure the homepage loads within acceptable time limits.
- Expected Result: Homepage should load promptly without delays.

## 5.2 Search Functionality

### 1. Verify Search Results:

- Enter a valid search query in the search bar.
- Validate that relevant search results are displayed.
- Expected Result: Search results should match the entered query accurately.

### 2. Empty Search Validation:

- Perform a search with an empty query.
- Verify that appropriate feedback or error message is displayed.
- Expected Result: User should be informed to enter a valid search query.

## 5.3 Product Details Page

### 1. Verify Product Information:

- Navigate to a product details page from search results.
- Check for accurate display of product details such as description, price, and availability.
- Expected Result: Product details should match the displayed information.

### 2. Product Images:

- Confirm that all product images are displayed correctly and are high-quality.
- Expected Result: Images should load without distortion or missing content.

## 5.4 Add to Cart Functionality

### 1. Add Product to Cart:

- Select a product and add it to the cart.
- Verify that the product is added with correct quantity.
- Expected Result: Product should be successfully added to the cart.

### 2. Cart Contents Validation:

- Navigate to the cart page after adding products.

- Check that all added products are displayed with accurate details.
- Expected Result: Cart should list all selected products correctly.

## 5.5 Checkout Process

### 1. Proceed to Checkout:

- Start the checkout process from the cart page.
- Verify that the checkout page displays relevant options for delivery, payment, and order summary.
- Expected Result: Checkout process should proceed smoothly without errors.

### 2. Payment Options:

- Test different payment methods (credit card, PayPal, etc.) during checkout.
- Ensure each payment option is functional and processes transactions correctly.
- Expected Result: Users should be able to successfully complete payments.

## 5.6 Orders Page

### 1. My Orders Display:

- Navigate to the "My Orders" section from the user profile.
- Verify that all placed orders are listed with complete details (order number, status, items, etc.).
- Expected Result: All orders should be displayed accurately.

### 2. Order Tracking:

- Select an order from the list and check the tracking information.
- Validate that tracking details (shipment status, estimated delivery date, etc.) are updated.
- Expected Result: Tracking information should be current and accurate.

## 5.7 Customer Service Page

### 1. Customer Support Options:

- Access the customer service page from the website footer or help section.
- Verify availability of customer support options such as email, chat, and phone.
- Expected Result: Multiple modes of customer support should be accessible.

### 2. Service Availability:

- Test the responsiveness and waiting time for each customer support option.
- Validate that waiting times (if displayed) are accurate and reflective of current support load.
- Expected Result: Users should be provided with timely and effective customer service options.

## 6. Test Execution

Manual testing will be conducted by following the above test scenarios. Testers will record observations, actual results, and any issues encountered during testing.