**Requirement Document for Online Retail Website Testing**

**🔹 Project Overview**

**Project Name:** Online Retail Website Testing – Project #1

**Objective**

To develop and test a user-centric and secure online shopping platform based on an open-source e-commerce solution. This platform will feature user registration, login, product catalog browsing, shopping cart, secure checkout, payment integration, and order tracking functionalities. The primary audience includes users who want to purchase products online conveniently and safely.

**Goals**

* Deliver an intuitive and seamless shopping experience
* Safeguard customer data and transactional information
* Enable users to browse products, place orders, and track order status

**Table of Contents**

1. Requirements
2. User Stories
3. Acceptance Criteria
4. Design Mockups
5. Test Cases
6. Related Links

**1. Requirements**

**Login**

* **Description:** Users should be able to sign into their accounts
* **Priority:** High
* **Acceptance Criteria:**
  + User can reach the login page from the homepage
  + User can input login credentials and submit
  + Upon successful login, user is redirected to the dashboard

**Registration**

* **Description:** New users should be able to create accounts
* **Priority:** High
* **Acceptance Criteria:**
  + Registration page is accessible from the homepage
  + User can enter details (name, email, password, etc.) and submit
  + Successful registration redirects to user dashboard

**Add to Cart**

* **Description:** Customers can add products to their shopping cart
* **Priority:** High
* **Acceptance Criteria:**
  + "Add to Cart" button is available on product pages
  + Clicking adds the item to the cart
  + Cart displays added products correctly

**Checkout**

* **Description:** Users can finalize purchases through a guided checkout process
* **Priority:** High
* **Acceptance Criteria:**
  + "Checkout" option is accessible from the cart page
  + Users can enter shipping and billing details
  + Users can select payment method and confirm purchase

**Payment Gateway**

* **Description:** System integrates with a secure payment gateway
* **Priority:** High
* **Acceptance Criteria:**
  + Payment options are presented at checkout
  + Payment info is transmitted securely
  + Confirmation is shown upon successful transaction

**Orders**

* **Description:** Users can view their order history and statuses
* **Priority:** Medium
* **Acceptance Criteria:**
  + Order history accessible from the user dashboard
  + Detailed info for each past order is available (date, items, cost)

**2. User Stories**

**Login**

* As a **new user**, I want to register and log in so I can use the platform.
* As a **returning user**, I want to access my account with my credentials.

**Registration**

* As a **new customer**, I want to sign up easily to start shopping.
* As a **registered user**, I want to update my profile and preferences.

**Add to Cart**

* As a **customer**, I want to add items to my cart and review them before checkout.
* As a **shopper**, I want to modify or remove items from my cart.

**Checkout**

* As a **buyer**, I want a smooth checkout process with clear payment and shipping options.
* As a **customer**, I want to review my order summary before finalizing the purchase.

**Payment Gateway**

* As a **customer**, I want to securely input payment details and use different payment options.
* As a **platform**, we want to handle sensitive payment info securely and efficiently.

**Orders**

* As a **customer**, I want to see past orders and track current ones.
* As a **business**, we want to process and manage orders with accuracy.

**3. Acceptance Criteria**

**Login**

* Login page is accessible from the homepage
* Users can input valid credentials and log in
* Successful login redirects to the account dashboard

**Registration**

* Registration page accessible from homepage
* User details can be entered and submitted successfully
* User is redirected to their dashboard after sign-up

**Add to Cart**

* Products can be added from product pages
* Added items appear in cart
* Users can manage cart contents

**Checkout**

* Checkout is accessible from cart
* Users can input shipping and billing info
* Payment can be completed, and confirmation is shown

**Payment Gateway**

* Supported payment methods are listed
* Payment data is transmitted securely
* Confirmation is provided after successful payment

**Orders**

* Users can access their order history
* Details for each order are viewable (date, items, status)

**4. Design Mockups**

Visual prototypes and UI references for development and testing alignment:

* Login Page Mockup
* Registration Page Mockup
* Product Page with "Add to Cart" Button
* Cart Page Layout
* Checkout Workflow Design

**5. Test Cases**

**Login**

* Confirm login page is accessible
* Validate successful login with correct credentials
* Check redirection to dashboard after login

**Registration**

* Validate access to registration page
* Ensure successful registration flow
* Confirm redirection to dashboard post-registration

**Add to Cart**

* Verify "Add to Cart" adds product correctly
* Ensure product shows up in cart
* Check ability to update or remove items in cart

**Checkout**

* Confirm "Checkout" can be initiated
* Validate form input for shipping and billing info
* Confirm transaction and payment processing
* Ensure confirmation is displayed after purchase

**Payment Gateway**

* Verify all supported payment methods appear
* Validate secure transmission of payment data
* Confirm successful payment shows confirmation message

**Orders**

* Confirm order history is visible to users
* Validate details (date, items, amount) in each order