

# **Test Plan for E-Commerce Website**

**By**

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## Table of Contents

1. Introduction .....	1
2. Scope .....	1
3. Test Objectives.....	1
4. Testing Strategy .....	1
5. Test Environment.....	2
6. Test Deliverables .....	2
7. Test Schedule .....	2
8. Test Cases Overview .....	2
8.1 Multiple Payment Methods .....	2
8.2 Shipping Options and Address Management .....	2
8.3 Order Summary and Review .....	3
8.4 Order Confirmation and Receipt Generation .....	3
9. Assumptions and Risks .....	3
10. Defect Reporting.....	3
11. Approval .....	3

## 1. Introduction

The test plan aims to define the strategy for testing a new e-commerce website with key features including multiple payment methods, shipping options and address management, order summary and review, and order confirmation and receipt generation. The primary objective is to ensure that all features function correctly, provide a seamless user experience, and meet the specified requirements.

## 2. Scope

- **In Scope:** Functional testing, usability testing, UI testing, integration testing, and regression testing of the features mentioned:

- Multiple payment methods
- Shipping options and address management
- Order summary and review
- Order confirmation and receipt generation

- **Out of Scope:** Performance testing, load testing, security testing (unless specifically requested)

## 3. Test Objectives

- Validate that the multiple payment methods work correctly.
- Verify that the shipping options are available and address management functions correctly.
- Ensure the order summary and review page accurately reflect selected items, quantities, prices, and other relevant details.
- Confirm that the order confirmation and receipt are generated and displayed to the user.

## 4. Testing Strategy

The following types of testing will be conducted:

- **Functional Testing:** Verify that all functions of the e-commerce site work as expected.
- **Integration Testing:** Ensure that payment methods, shipping options, and other modules integrate seamlessly.
- **Usability Testing:** Check the website for ease of use and accessibility.
- **Regression Testing:** Verify that new changes do not affect existing functionalities.

- **UI Testing:** Ensure the website's interface is user-friendly and consistent.

## 5. Test Environment

- **Test Environment:** Web application testing will be conducted on various browsers (Chrome, Firefox, Safari, Edge) and devices (desktop, tablet, mobile).
- **Test Data:** Different combinations of test data will be used to cover various scenarios, including valid and invalid payment details, multiple shipping addresses, etc.

## 6. Test Deliverables

- Test cases
- Test scripts
- Test data
- Test execution reports
- Defect reports
- Final test summary report

## 7. Test Schedule

- Test Case Design: 09/09/2024 to 16/09/2024
- Test Execution: 16/09/2024 to 30/09/2024
- Regression Testing: 30/09/2024 to 7/10/2024
- Test Closure: 8/10/2024

## 8. Test Cases Overview

Here is an overview of the test cases for each feature:

### 8.1 Multiple Payment Methods

- Verify that the user can select a payment method (e.g., credit card, PayPal, bank transfer).
- Test the payment flow with valid and invalid payment details.
- Validate error messages for declined payments.
- Check the behavior of payment methods for different currencies.

### 8.2 Shipping Options and Address Management

- Verify that the user can add, edit, and delete shipping addresses.
- Ensure that different shipping options are displayed (e.g., standard, express).
- Test the calculation of shipping costs based on the address and selected shipping option.
- Validate that address validation (e.g., zip code, country) works correctly.

### **8.3 Order Summary and Review**

- Verify that the order summary page displays the correct items, quantities, prices, shipping costs, and taxes.
- Ensure that the user can modify the cart from the summary page.
- Validate the "Place Order" button functionality.

### **8.4 Order Confirmation and Receipt Generation**

- Verify that an order confirmation page is displayed after the order is placed.
- Check that an order confirmation email/receipt is sent to the user's email.
- Validate that the receipt contains accurate order details, including items, prices, shipping, and payment details.

## **9. Assumptions and Risks**

### **- Assumptions:**

- Test data is available and ready.
- The test environment is stable and reflects the production environment.

### **- Risks:**

- Changes in requirements may affect the test cases.
- Delays in the test environment setup.

## **10. Defect Reporting**

All defects found during testing will be logged in a defect tracking tool (e.g., JIRA) with detailed information, including steps to reproduce, severity, and screenshots if applicable.

## **11. Approval**

This test plan will be reviewed and approved by the following stakeholders:

- Project Manager:

- QA Lead:

- Development Lead: