Question 04

<u>Test Plan for New E-Commerce Website</u>

Overview

In order to setup a test plan for the new e-commerce website to make sure everything works fine. The main features we'll be covered by testing includes

- Payment methods
- Delevery Options
- Order details
- Order confirmation and receipt generation

Objectives

The objective of this is to ensure all the above features work correctly and to provide a good user experience.

Scope of Testing

- **Features to Test**
  - ✓ **Payment methods**
    Making sure users can pay using various methods without issues.
  - ✓ **Dilivery options**
    Verifying that different shipping choices are available and correct.
  - ✓ **Order details**
    Making sure all order details are shown accurately before users place an order.
  - ✓ **Order confirmation**
    Confirming that users get an order confirmation and receipt after a successful purchase.

- **What We're Not Testing**
  - ✓ Social media integration
  - ✓ Product recommendations
  - ✓ Wishlist features

Testing Strategy

- Functional Testing: Check if each feature does what it's supposed to do.
- Usability Testing: Make sure the website is easy to use.
- Performance Testing: Test how the site handles many users at once.
- Security Testing: Ensure that payment and personal data is secure.
- Test Environment
- Devices compatibility: Desktop (Windows and Mac), Mobile (iOS and Android), Tablet.
- Cross browser: Chrome, Firefox, Edge.

Data Needed

- Test user accounts with different types of profiles.
- Test credit card numbers for various payment scenarios.
- Shipping addresses to cover different locations and formats.

Test Schedule

Phase	Start Date	End Date	Description
Preparation	Aug 26, 2024	Aug 27, 2024	Plan tests, gather test data, and set up the environment.
Functional Testing	Aug 28, 2024	Aug 30, 2024	Test all main features (payments, shipping, order summary).
Usability Testing	Sep 1, 2024	Sep 2, 2024	Make sure the site is user-friendly.
Performance Testing	Sep 3, 2024	Sep 4, 2024	Check how the site performs under load.

Security Testing	Sep 5, 2024	Sep 6, 2024	Test the security of payment and personal information.
Bug Fixing and Retesting	Sep 7, 2024	Sep 9, 2024	Fix bugs and retest to make sure everything is working.
Final Review / UAT	Sep 10, 2024	Sep 11, 2024	Go through all test results and prepare for the UAT

Test Cases Overview

- Payment Methods
  - ✓ Test payment with credit/debit card.
  - ✓ Test payment with PayPal.
  - ✓ Check how the system handles failed payments (e.g., wrong card number).
  - ✓ Verify sensitive data (like card details) is securely handled.
- Delivery options
  - ✓ Add, edit, and delete shipping addresses.
  - ✓ Select different shipping options and verify costs.
  - ✓ Ensure address validation is working correctly.
- Order details
  - ✓ Check that all items, quantities, prices, shipping, and taxes are displayed correctly.
  - ✓ Test updating the cart from the order summary page.
  - ✓ Verify that discounts and promo codes are applied correctly.
- Order Confirmation and Receipt Generation
  - ✓ Ensure an order confirmation page appears after placing an order.
  - ✓ Check that receipts are generated and sent to the user's email.
  - ✓ Verify that the receipt contains all necessary information (order number, items, price breakdown).

Risks and Mitigation

- Possible Delays: If setting up the test environment takes longer than expected, start testing on critical features first.
- High Volume of Bugs: If many bugs are found, prioritize fixing critical and high-severity issues first.
- Limited Team Availability: Ensure a flexible schedule so that tasks can be reassigned if needed.

Exit Criteria

- All critical and high-priority bugs are resolved.
- Test cases for all main features have a pass rate of at least in the minimum range of 75 - 85%.
- No major performance or security issues.
- All features are working as expected, and the user experience is smooth.