Online Boutique Website

Objective

The objective of testing the online boutique website is to ensure that it meets the required standards of functionality, usability, performance, and security, providing a seamless and enjoyable shopping experience for customers.

Scope

The scope of testing includes:

1. Functionality Testing: Verifying that all website features, such as user registration, login, product browsing, shopping cart, checkout, and payment processing, function correctly.

2. User Experience Testing: Evaluating the website's usability, navigation, and overall user experience to ensure that it is intuitive and easy to use.

3. Performance Testing: Assessing the website's performance under various loads, including page load time, server response time, and scalability.

4. Security Testing: Identifying potential security vulnerabilities,password hashing and storage issues.

5. Compatibility Testing: Verifying that the website is compatible with different browsers, devices, and operating systems.

6. Accessibility Testing: Ensuring that the website meets the Web Content Accessibility Guidelines and is accessible to users with disabilities.

Test Plan

Here's a comprehensive testing plan for the online boutique website:

Functionality Testing

1. User Registration - Test registration with valid and invalid credentials.

- Verify email confirmation and password recovery.

2. Login/Logout - Test login with valid and invalid credentials.

- Verify logout functionality.

3. Product Browsing - Test product categorization and filtering.

- Verify product details, pricing, and images.

4. Shopping Cart - Test adding and removing products from the cart.

- Verify cart totals and discounts.

5. Checkout - Test checkout with different payment methods.

- Verify order summary and confirmation.

Payment Gateway Testing

1. Payment Method Options - Test availability of different payment methods.

2. Payment Processing - Test payment processing with valid and invalid details.

3. Payment Security - Verify HTTPS protocol and SSL certification.

User Experience Testing

1. Navigation and Menu - Test navigation menu

- Verify responsive design for different devices.

2. Search Functionality - Test search with valid and invalid keywords.

- Verify search results and filtering.

3. Product Reviews and Ratings - Test product review and rating functionality.

- Verify review moderation and display.

Security Testing

1. Password Hashing and Storage - Verify secure password hashing and storage practices.

Performance Testing

1. Page Load Time - Test page load time for different pages and devices.

2. Server Response Time - Test server response time for different requests.

3. Scalability - Test website scalability with increased traffic.

Compatibility Testing

1. Browser Compatibility - Test website compatibility with different browsers.

2. Device Compatibility - Test website compatibility with different devices.

3. Operating System Compatibility - Test website compatibility with different OS.

Accessibility Testing

1. WCAG Compliance - Test website compliance with Web Content Accessibility Guidelines.

2. Screen Reader Compatibility - Test website compatibility with screen readers.

3. Keyboard Navigation - Test website navigation using only a keyboard.

Test Scenario

| Scenario | Scenario Description |
| --- | --- |
| Registration and Login | Test that a user can register and log in successfully |
| Product Search and Filter | Test that a user can search and filter products successfully |
| Product Details and Reviews | Test that a user can view product details and reviews successfully |
| Add to Cart and Checkout | Test that a user can add products to cart and checkout successfully |
| Payment Gateway Integration | Test that the payment gateway is integrated correctly |
| Order History and Tracking | Test that a user can view order history and track orders successfully |
| User Profile Management | Test that a user can manage their profile successfully |
| Password Recovery | Test that a user can recover their password successfully |
| Accessibility | Test that the website is accessible to users with disabilities |

Test case

Excel doc.

<https://docs.google.com/spreadsheets/d/1h8uII5oqw9-b8dkPsS2LNXNsw7s9kyAK/edit?usp=drive_link&ouid=100338842618141954341&rtpof=true&sd=true>