

Test Plan: WooCommerce Platform

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Objective

This test plan aims to validate the functionality, usability, UI, and performance of the WooCommerce platform, ensuring that all components work as expected, providing a seamless experience for the users.

Scope:

- Login and Sign-Up
- Header section
- Footer section
- Cart and Payment functionality
- Cards (product listings)
- Dropdown menus
- Search bar
- Account Section
- Language Section

Test Approach:

The testing process will follow a mix of Functional Testing, UI Testing, Usability Testing, and Performance Testing across various sections of the WooCommerce platform.

Testing Types & Focus Areas:

1. Functional Testing:

- Validates that all functional requirements are met.
- Ensures the platform's core features (Login, signup, checkout, etc.) are in the correct flow.

2. UI Testing:

- Checks the appearance, layout, and consistency of elements.
- Verifies the visual appeal, alignment, and responsiveness of the site across different devices.

3. Usability Testing:

- Ensures that the platform is easy to use and navigate.
- Focus on error messages, validation prompts, and ease of interacting with forms and buttons.

4. Performance Testing

- Measures the performance of the platform under normal and heavy load conditions.
- Focus on page load time, responsiveness, and behavior under slow network conditions.

Test Cases Overview (by Section):

Login and Sign-Up Section:

- Functional Testing:

- Log in with valid and invalid credentials.
- Ensure the "Forgot Password" feature works.
- Social media login options (e.g., Google, Facebook).
- Ensure the session expires after inactivity.

-UI Testing:

- Validate input field alignment and button hover effects.
- Ensure checkboxes and mandatory fields are visually clear.

- Usability Testing:

- Autofill support for browsers.
- Error messages displayed for missing/incorrect inputs.
- Sign-up buttons are visible and clickable.

Header Section:

- UI Testing

- Logo and font style consistency.
- Hover effects are on dropdown menus and the search bar.
- Proper alignment and display adjustment of elements.

- Performance Testing:

- Measure the loading time of the header.
- Performance under slow network conditions.
- Responsive layout across various screen sizes.

Footer Section:

- Functional Testing:

- Ensure links such as "Contact Us," copyright and social media icons work correctly.

- UI & Performance Testing:

- Footer style, colour, and theme consistency.
- Test footer load time under different network speeds.
- Verify that the footer renders correctly across various browsers.

Cart/Payment Section:

- **Functional and Usability Testing**

- Validate the functionality of the quantity update and price button.
- Ensure the "+" and "-" buttons work.
- Verify checkout flow from adding a product to payment.

Card Layout (Product Listings):

- UI & Functional Testing:

- Check the responsive layout and button selection on the card.
- Ensure images load properly on the card.
- Hovering on a card displays the required effects.
- Clicking on the card navigates to the correct product page.

- **Performance Testing**

- Measure hover and image load time.

Search Bar

- Functional Testing:

- Ensure the search bar fetches relevant results.
- Validate the search with special characters, numbers, and empty inputs.

- UI Testing:

- Check placeholder text, dropdown styling, and font consistency.
- Ensure the search button is responsive and aligned.

Account Section

- Functional & UI Testing:

- Verify navigation to profile, orders, support, and downloads sections.
- Ensure the logout button works as expected.
- Validate account settings and email address display.

Dropdown Menus

- Functional Testing

- Validate proper working of dropdown menus in the header and other sections.

- UI Testing

- Verify the visual appearance of dropdowns (font size, colour, alignment).

Language Section

- Functional & UI Testing

- Verify the language selection dropdown works and translates the content appropriately.
- Ensure the UI updates correctly after a new language is selected.

Performance Metrics

- Header response time: Should load within 100-300ms.
- Footer load time under slow internet conditions.
- Card hover and image load time.
- Page load time for cart/payment flow.

Assumptions:

- Testing will be conducted across multiple browsers (Chrome, Firefox, Edge) and devices (Mobile, Tablet, Desktop).
- Specific tools will be used for performance testing (e.g., Google Lighthouse, JMeter).

Test Environment:

- A stable version of the WooCommerce platform on staging will be used.
- Tools like Chrome Developer Tools for UI inspection and network performance will be utilized.