**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.