

Day 4 - Testing and Backend Refinement - [Ann Fashion Store]

Hackathon Task #4

1. Functional Testing:

Objective: Verify that all functionalities work as expected, ensuring the website meets user and business requirements.

- **Tested Features:**

- ✓ Product listing page: Verified dynamic routing and product display accuracy.
- ✓ Cart functionality: Confirmed products are added and removed from the cart correctly.
- ✓ Contact page: Verified form input fields and submission mechanics.
- ✓ Hover effects: Ensured smooth and consistent transitions for interactive elements.

- **Observations:**

- ✓ Most tested functionalities passed with no critical issues.
 - ✓ **Issues Identified:**
 - Search bar functionality is not implemented.
 - Login page lacks interactivity and functionality.
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2. Error Handling:

Objective: Ensure robust error handling for smooth user experience.

- **Tested Scenarios:**

- ✓ API disconnection: Simulated errors to verify fallback UI and messages.
- ✓ Non-existent product pages: Ensured users are redirected or shown a user-friendly error page.

- **Observations:**

- ✓ Clear error messages are displayed.
 - ✓ API errors are gracefully handled with fallback UI.
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3. Performance Testing:

Objective: Measure website speed and responsiveness under various conditions.

- **Metrics Evaluated:**
 - ✓ Page load times: All pages load within 2 seconds.
 - ✓ Responsiveness: Verified layout and interaction consistency on different screen sizes.
 - **Observations:**
 - ✓ Optimized performance with no significant delays.
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4. Cross-Browser and Device Testing:

Objective: Ensure compatibility across multiple browsers and devices.

- **Browsers Tested:**
 - ✓ Chrome, Firefox, Safari, Edge.
 - **Devices Tested:**
 - ✓ Mobile, tablet, and desktop.
 - **Observations:**
 - ✓ Seamless experience across all platforms and screen sizes.
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5. Responsiveness Testing:

Objective: Validate the website's adaptability to different screen sizes and resolutions.

- **Tested Scenarios:**

- ✓ Mobile layout: Checked alignment and scaling of elements on smaller screens.
- ✓ Tablet layout: Verified intermediate screen size adjustments.
- ✓ Desktop layout: Ensured no overlapping or misaligned elements on larger screens.

- **Observations:**

- ✓ Responsive layout adjusts well on all tested devices.
 - ✓ Smooth transitions and consistent spacing across breakpoints.
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6. Security Testing:

Objective: Identify and mitigate potential vulnerabilities.

- **Tests Conducted:**

- ✓ Vulnerability scanning: Checked for common security issues like XSS and SQL injection.
- ✓ API security: Verified secure handling of API requests and responses.

- **Observations:**

- ✓ No vulnerabilities detected.
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7. User Acceptance Testing (UAT):

Objective: Validate the website's usability and functionality from an end-user perspective.

- **Scenarios Tested:**

- ✓ Navigation: Verified intuitive navigation for product browsing and checkout.
- ✓ Visual appeal: Ensured the UI is attractive and engaging.

- **Observations:**

- ✓ Positive user feedback; navigation is smooth and engaging.
 - ✓ **Issues Identified:**
 - Search functionality is missing, impacting user experience.
 - Login page does not allow user interaction.
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8. Documentation Updates:

Objective: Maintain comprehensive and professional testing documentation.

- **Actions Taken:**

- ✓ Detailed test cases documented with expected and actual results.
- ✓ Updated CSV-based testing report for easy reference.