

Test Plan for Clothing Store

Scope of testing

The scope of this testing initiative is to ensure the online clothing store's web application functions as expected across different user flows. The test will cover various functionalities including product interaction, user account management, checkout processes, and user communications via the contact form.

Testing Strategy

Test Levels

-Unit Testing: Not directly applicable in this scenario as Cypress focuses on end-to-end testing, but it is assumed that unit tests are handled by developers for individual components (e.g., buttons, forms, APIs).

-Integration Testing: To be performed to ensure that all modules work together seamlessly. This includes testing form submissions, login/logout sequences, and navigation between different parts of the website.

-System Testing: All features and functionalities will be tested as a whole to ensure the system's compliance with the specified requirements.

-Acceptance Testing: To verify whether the entire application meets the business needs and is ready for deployment.

Test Techniques

-Functional Testing: To verify that each function of the software application operates in conformance with the requirement specification. This includes testing of all the links in web pages, form submissions, and workflow of the application.

-Regression Testing: To ensure new changes have not adversely affected existing features. This will be ongoing as new updates are made to the application.

-Usability Testing: Focus on the user interface and user experience to ensure the application is intuitive, easy to use, and logically organized.

Test Cases

1. Add Product to Cart

Objective: Validate that users can add a product to their cart from the product details page and ensure the cart reflects the correct product details and quantities.

Expected Outcome: The product is successfully added to the cart.

2. Create New User

Objective: Test the account creation process to ensure that all user inputs are accepted and validated with no glitches.

Expected Outcomes: The system confirms successful account creation.

3. Checkout

Objective: Verify that the checkout process operates seamlessly from adding items to the cart through to order confirmation, including the entry and validation of payment details.

Expected Outcomes: The order is successfully processed and confirmed with accurate order details and payment acknowledgment.

4. Logout

Objective: Ensure the logout functionality securely ends a user session and redirects appropriately.

Expected Outcomes: The user is logged out and redirected to the login page.

5. Login

Objective: Confirm the login process allows access only with correct user credentials.

Expected Outcomes: The user gains access to their profile and intended pages after successfully logging in with valid credentials.

6. Contact Us

Objective: Test the functionality of the contact form to ensure it sends messages correctly.

Expected Outcomes: The form submission leads to a confirmation message indicating successful communication submission.