Test Plan

Test Plan Document

For

Clothing store

Test Plan

1. Introduction

This Test Plan describes the approach used to implement the web test automation for an clothing store. The goal is to ensure the quality and reliability of the website and its various views and functionalities.

2. Objectives

- Implement web test automation to ensure the functionality and reliability of the clothing store website.
- Verify the correct functioning of the main user flows.
- Verify that users can smoothly navigate through the different views and perform actions such as browsing products, adding items to cart, registering a user, logging into the system and completing purchases.

3. Scope

The Test Plan will cover the following areas of the application:

- User registration and login.
- Buy a product (from selecting it to purchasing it).
- Sending messages through the contact form.

Considering the following views:

- Home screen
- Product details
- Cart & cart summary
- Account creation & sign in
- Address
- Payment
- Order confirmation
- Contact Us

4. Test Strategy

- Automated Testing: Implement automated tests using Cypress framework to cover various scenarios and functionalities.
- End-to-End Testing: Verify the flow of actions from browsing products to order confirmation.
- Positive and Negative Testing: Test both valid and invalid inputs to ensure robustness of the application.

5. Tools

- **Cypress**

    Description: Cypress is an end-to-end testing framework that allows you to write, run and debug tests quickly and efficiently for web applications.

- **Allure reports**

    Description: Allure Reports is a reporting framework that provides detailed and easy-to-understand visualizations of test results.

6. Test cases

1. Sign up the user

- Description: Validate the user sign-up process by completing the registration form and creating a new account.
- Steps:
    1. Click on the "Sign Up" or "Login" option on the header.
    2. Complete the sign-up form with valid user information.
    3. Verify that the account creation is successful and the user is logged in.
- Expected Result: The user account is successfully created, and the user is logged in.

2. Log in with an existing user

- Description: Validate the user login process with existing credentials.
- Steps:
    1. Click on the "Sign Up" or "Login" option on the header.

2. Enter valid email and password for an existing user.

3. Verify that the user is successfully logged in.

- Expected Result: The user is successfully logged in.

3. Buy a product

- Description: Validate the process of adding a product to the cart, proceeding to checkout, and completing the purchase.
- Steps:

  1. Browse available products and select a specific product.

  2. Customize the quantity of the product and add it to the cart.

  3. Proceed to checkout and review the cart summary.

  4. Enter address details, add comments, and place the order.

  5. Enter payment details and complete the purchase.

- Expected Result: The product is successfully purchased, and the order is confirmed.

4. Send the information to the contact us

- Description: Validate the process of sending a message through the "Contact Us" form.
- Steps:

  1. Click on the "Contact Us" option on the header.

  2. Fill out the contact form with valid information.

  3. Submit the form and accept any confirmation alert.

- Expected Result: The message is successfully sent through the contact form.

5. Log in with a non-existing user (Negative)

- Description: Validate the behavior when attempting to log in with non-existing user credentials.
- Steps:

1. Click on the "Sign Up" or "Login" option on the header.

2. Enter non-existing email and password.

3. Verify the error message displayed.

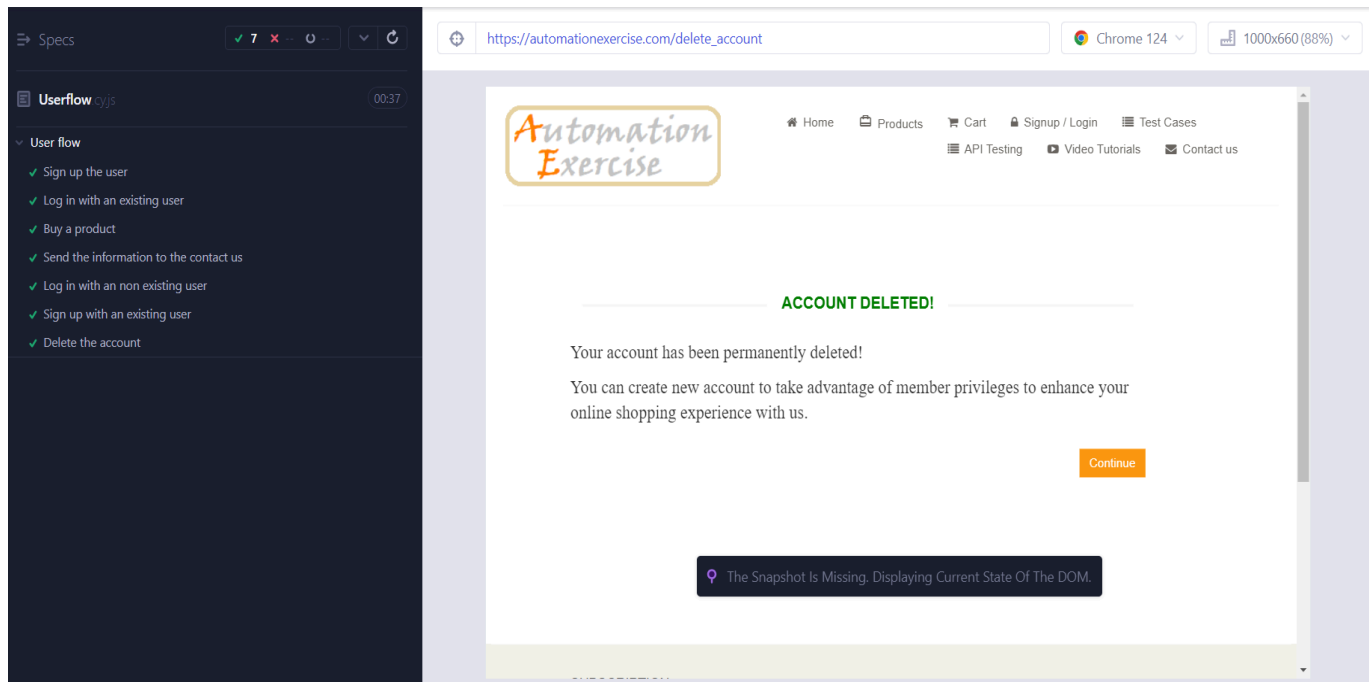- Expected Result: An error message indicating incorrect credentials is displayed.

6. Sign up with an existing user (Negative)

- Description: Validate the behavior when attempting to sign up with an email address that already exists.

- Steps:

    1. Click on the "Sign Up" or "Login" option on the header.

    2. Fill out the sign-up form with existing user information.

    3. Verify the error message displayed.

- Expected Result: An error message indicating the email address is already in use is displayed.

7. Send the information to the contact us (Reusing existing user)

- Description: Validate the process of sending a message through the "Contact Us" form with an existing user.

- Steps:

    1. Log in with an existing user account.

    2. Click on the "Contact Us" option on the header.

    3. Fill out the contact form with valid information.

    4. Submit the form and accept any confirmation alert.

- Expected Result: The message is successfully sent through the contact form.

7. Result

8. video capture

The video will be sent together with this document. This video will contain the execution of the various flows contained in the automation.

9. Acceptance criteria

- All tests must pass without errors.
- the main functionalities must meet the customer's requirements