

InForce AQA Cypress

Test Task: Cypress E2E Testing for <https://www.saucedemo.com/>

Time estimation: ≈5 hrs

Objective:

The objective of this test task is to create end-to-end (E2E) tests for the website <https://www.saucedemo.com/> using Cypress. The test cases will cover the login page, adding items to the cart using a custom command, proceeding to checkout, verifying information on the Checkout: Your Information page, making the checkout, verifying the total price with tax on Checkout: Overview page, submitting the checkout, and finally, logging out.

Requirements:

- The website <https://www.saucedemo.com/> is an e-commerce site selling various products. Users can browse the products and add them to their cart.
- The website has a login page where users can enter their username and password to access the products.

Tasks:

1. Set up a new Cypress project on your local machine.
2. Create a test suite for the login page with the following test cases:
 - Verify that the login page is accessible and loads without errors.
 - Verify that a user with valid login credentials can log in successfully.
 - Verify that a user with invalid login credentials cannot log in and sees an appropriate
3. Create a custom Cypress command to add items to the cart:
 - Implement a custom command that allows you to add one or more items to the cart efficiently.
 - Use this custom command in your test cases for adding items to the cart.
4. Create a test case for adding items to the cart:
 - Log in to the website using valid login credentials.
 - Add at least two different items to the cart using the custom command.
 - Verify that the items are added to the cart successfully and the cart icon updates with the correct item count.
5. Create a test case for proceeding to checkout:
 - After adding items to the cart, navigate to the cart page.
 - Verify that the cart page displays the correct items added.
 - Proceed to the checkout page and verify that the correct items are displayed for checkout.
6. Create a test case for Checkout: Your Information page:
 - On the Checkout: Your Information page, verify that the correct user

information (name, email, etc.) is pre-filled based on the logged-in user.

7. Create a test case for making the checkout:
 - Fill in the required information on the Checkout: Your Information page.
 - Proceed to the Checkout: Overview page and verify that the correct items and total price (with tax) are displayed.
8. Create a test case for verifying the total price with tax on Checkout: Overview page:
 - Ensure that the total price (with tax) displayed on the Checkout: Overview page is accurate based on the items added to the cart.
9. Create a test case for submitting the checkout and verifying Checkout: Complete! page:
 - Submit the checkout on the Checkout: Overview page.
 - Verify that the Checkout: Complete! page is displayed with a confirmation message.
10. Create a test case for logout:
 - After completing the checkout, navigate back to the main page.
 - Logout from the website and verify that the user is successfully logged out.
11. Add appropriate assertions in your test cases to validate the expected behaviour of the application.
12. Use Cypress commands effectively to interact with the elements on the page and handle various user interactions.
13. Implement proper waits and retries to handle any asynchronous behaviour of the application.

Bonus (Optional):

- Implement additional test cases to cover more scenarios, such as handling errors during checkout, verifying the inventory status after checkout, etc.

Submission:

- Create a GitHub repository for your Cypress project and commit your test scripts.
- Include a README.md file with instructions on how to set up and run the tests.
- If you have completed the bonus task, mention it in the README and provide instructions for running the test case.
- Send the link to the GitHub repository to the hiring manager or the relevant person who provided you with this test task.

Note:

Make sure to structure your test suite logically and write clean, maintainable code. Consider using appropriate Cypress best practices and guidelines during the implementation of the tests. Additionally, be prepared to discuss your test design and implementation decisions during the interview process. Good luck!