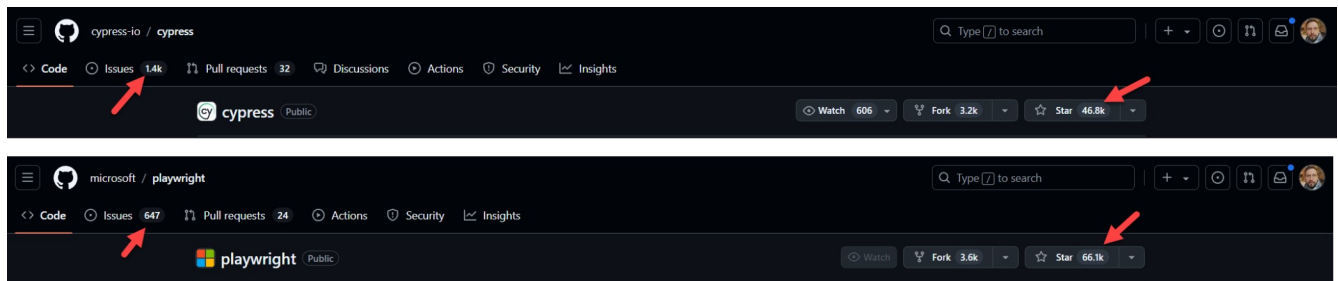


All-in-one document:
Justification | Test case | Test result

Justification for Playwright

1. Playwright has a lot of built-in features, report for example
2. Playwright is easy to set up and use
3. It has active growing professional community
4. Open issues are lower than Cypress has
5. Playwright has more stars than Cypress



All-in-one document:
Justification | Test case | Test result

Test case: buy the third product flow

Preconditions:

The website <https://automationexercise.com> is up and running.
Playwright and Faker installed and ready to use.

Steps of the case:

Note: the same flow for two viewports Desktop and Mobile

1. Navigate to the website <https://automationexercise.com>
2. Navigate to the Products section.
3. Choose the third product shown in the product list and view its details.
4. Enter a random quantity generated by a function or by a library between 1 to 20.
5. Add the product to the cart.
6. Proceed to checkout.
7. Check Register/Login modal.
8. Register a new user account using random data (use Faker for name, email, etc.).
9. Proceed to the cart and confirm the order.
10. Log out of the account.

Expected result:

The solution contains 7 tests mostly divided by pages.

All actions have to be confirmed.
Steps 1-10 passed (7 tests passed).

All-in-one document:
Justification | Test case | Test result

Test result

Note: The playwright report is commented in .gitignore so the repo contains playwright-report folder with the HTML report

Desktop

Tests:

1. Homepage products section - pass
2. Product page - pass
3. Cart page - pass
4. Login/Signup page - pass
5. Signup page - pass
6. Cart/Checkout pages loggedin - pass
7. Log out - pass

Mobile

Tests:

1. Homepage products section - pass
2. Product page - pass
3. Cart page - pass
4. Login/Signup page - pass
5. Signup page - pass
6. Cart/Checkout pages loggedin - fail
7. Log out – skipped

Conclusion

Test failed on mobile on step to go to cart after successful user creation and auto login.
The reason: website instability on loading cart (and on logout too sometimes).