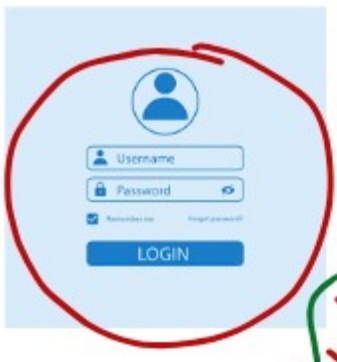
Visual(what we see) Regression Testing in Playwright



ON THE FUNCTIONALITY
===> Testing ==> Test Cases
==> Fail ==> Report to the Dev
==> Fix ==> Retest

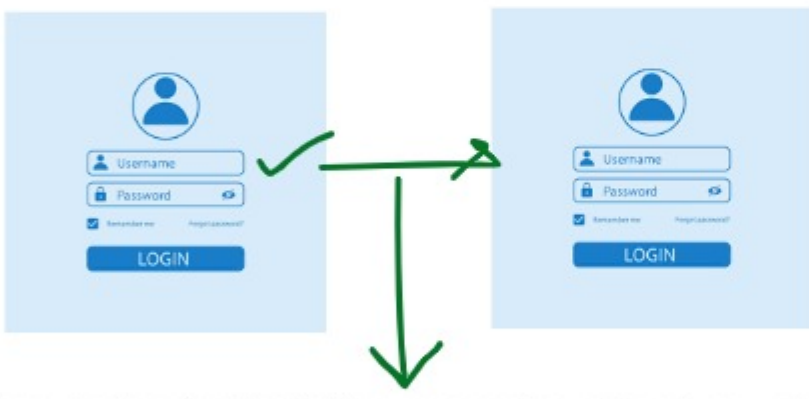
after 2 weeks

recheck

1) check whether the spelling of login button is correct or not
2) check the alignment of the login button
3) check the alignment of the input boxes
4) .....
.....

4) check with valid email and valid password
EO ==> Home page
AO ==> Blank page

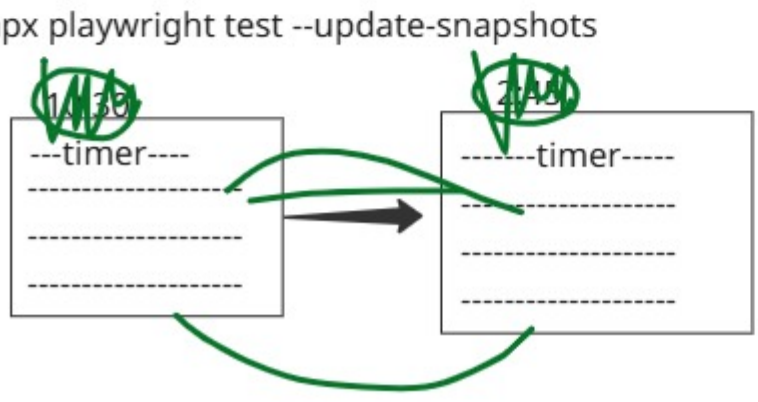
.....
invalid email and valid password
valid email and invalid password
.....



Visual regression testing is like comparing old and new photos of a website to detect unwanted UI changes.

0.01 ==> 1%
0.50 ==> 50%

npx playwright test --update-snapshots



maxDiffPixel = 50
maxDiffPixelRatio = 0.03 ==> 3%

button ==> width = 30px height = 10px ==> 300 px

button ==> 260px

Keyboard actions / events

page.keyboard
page.mouse

Assertions:-

For every test case, we want to track whether it has passed OR failed based on some condition. we use assertions for this!

Type something

Hard Assertion

When we have multiple assertions one below the other, if one assertions fails, the remaining assertions below that doesn't execute.

NOTE: playwright has assertions which is hard assertion by default

Soft Assertion

```
await expect.soft(page).toHaveText("Mobile")
await expect.soft(page).toHaveText("Books")
await expect.soft(page).toHaveText("Sofa")
await expect(page).toHaveText("Food")
```

Annotations:-

special markers that control test execution flow, provide additional context in reports, and help organize test suites

Flaky(

Flaky will always work with retry
retry: 2

test case ==> Run ==> Failed ==> slow network
test case ==> retry 1 ==> Passed