

Ash and Emily

Test Automation

11th September 24



Agenda

1. Why test automation – 5m
2. Explain the task – 10m
3. Have a go – 20m
4. Give us feedback - 5



Why do we do test automation?

Join at menti.com | use code 7222 1437

Why do we do test automation?



bold transpirati
creative

Dispelling the myth

Objective: Show how easy it is to get started

Taken away installation but is very simple and if interested can be found [here:](#)

You have

- Laptop with Visual studio code and internet access
- Github repo with playwright installed
- Node and git installed
- Install playwright
- A basic repo cloned and a branch created [emypenguin87/PlaywrightDemo \(github.com\)](https://github.com/emypenguin87/PlaywrightDemo)

The task

2 options:

1. UI test to log in to an application
 1. Navigate to URL [Swag Labs \(saucedemo.com\)](https://saucedemo.com)
 2. Enter username
 3. Enter password
 4. Click login
 5. Assert (confirm) user is logged in
2. API test to call an API endpoint – API documentation for <https://pokeapi.co/>
 1. Call a get endpoint e.g. <http://pokeapi.co/api/v2/pokemon/charmeleon>
 1. headers: {'Content-Type': 'application/json',}
 2. Confirm success response (200)
 3. View the response
 1. What abilities does your pokemon have?

Tips

<code>npx playwright test --ui</code>	Type into terminal to open Playwright UI
API testing Playwright	Info writing API test
Writing tests Playwright	UI test writing basics
LocatorAssertions Playwright	Assertions for elements
https://playwright.dev/docs/intro#running-the-example-test-in-ui-mode	Info running in UI mode

Action	Description
<code>locator.check()</code>	Check the input checkbox
<code>locator.click()</code>	Click the element
<code>locator.uncheck()</code>	Uncheck the input checkbox
<code>locator.hover()</code>	Hover mouse over the element
<code>locator.fill()</code>	Fill the form field, input text
<code>locator.focus()</code>	Focus the element
<code>locator.press()</code>	Press single key
<code>locator.setInputFiles()</code>	Pick files to upload
<code>locator.selectOption()</code>	Select option in the drop down

Future

Page Object model, BDD and other best practice - [Best practice / Principles of test automation - Test Automation - Confluence \(atlassian.net\)](#)

Example solutions – API test

```
test('I can find information about Charmander', async ({ request }) => {  
  const response = await request.post(`http://pokeapi.co/api/v2/pokemon/ditto`, {  
    headers: {  
      'Content-Type': 'application/json',  
    })  
  
  console.log(await response.json())  
  expect(response.status()).toBe(200)  
});
```


Example solutions – UI test

```
test('I can log into to SwagLabs', async ({ page }) => {  
  await page.goto('https://www.saucedemo.com/');  
  
  // Expect a title "to contain" a substring.  
  await expect(page).toHaveTitle(/Swag Labs/);  
  
  await page.locator('[data-test="username"]').fill("standard_user");  
  await page.locator('[data-test="password"]').fill("secret_sauce");  
  await page.locator('[data-test="login-button"]').click();  
  await expect(page.locator('[data-test="shopping-cart-link"]')).toBeVisible();  
  
});
```

**What have you
learnt today?**

