***DAY 6 – Playwright***

1. **Playwright Installation**

**npm init playwright@latest**

1. **Page Object Model (POM)**

It is a design pattern commonly used in **automation** testing

* Used with tools like **Playwright**, Selenium, Cypress
* Makes Tests more **maintainable**, **reusable**, and **readable**
* **test logic is separated from UI details.**

In POM, each page or component of your application has a corresponding class (or object) that encapsulates:

* The **locators (selectors)** for elements on the page
* The **actions** you can perform on the page
* Any **assertions** or checks related to that page

1. **Page Navigation**

await page.goto('https://www.easemytrip.com/');

1. **Title Assertion:**

await expect(page).toHaveTitle(...)

//ensures the correct page is loaded.

1. **Click Actions with Visibility Check**

Always check visibility before clicking for stability:

await expect(button).toBeVisible();

await button.click();

1. **Waiting Strategies**

Use **waitForTimeout()** for debugging or better yet, wait for specific elements or states.

1. **Element locators**

**XPath** is powerful but use **CSS selectors** when possible for better performance.

const getStarted = page.getByText('Try Typescript Now');

const username = page.locator("#user-name");

1. **Form Interactions / Filling Inputs**

await username.fill("standard\_user");

await password.fill("secret\_sauce");