

# Playwright Cheat Sheet (Core Functions)

## Test Structure

``test(name, callback)`` – Define a test case  
``test.describe(name, callback)`` – Group related tests  
``test.beforeEach / test.afterEach`` – Hooks before/after each test

## Page Navigation

``page.goto(url)`` – Navigate to a page  
``page.reload()`` – Reload the page  
``page.url()`` – Get current URL

## Selectors & Locators

``page.locator(selector)`` – Create a locator  
``page.getByRole(role, options)`` – Find by accessible role  
``page.getByText(text)`` – Find by visible text  
``page.getByPlaceholder(text)`` – Find by input placeholder  
``page.getByLabel(label)`` – Find by input label

## Actions

``locator.click()`` – Click element  
``locator.fill(value)`` – Fill input  
``locator.type(value)`` – Type text (like a real user)  
``locator.press('Enter')`` – Simulate key press  
``page.check(selector) / page.uncheck(selector)`` – Checkbox actions  
``page.selectOption(selector, value)`` – Dropdown selection

## Assertions

``expect(locator).toBeVisible()``  
``expect(locator).toHaveText('Hello')``  
``expect(locator).toHaveValue('admin')``  
``expect(page).toHaveURL(/.*dashboard/)``  
``expect(page).toHaveTitle(/Playwright/)``

## Screenshots & Debug

``page.screenshot({ path: 'screenshot.png' })`` – Take screenshot  
``page.pause()`` – Pause test for debugging

## API Testing

`request.get(url)` / `request.post(url, data)` – API requests  
`expect(response.ok()).toBeTruthy()` – Assert API response

### ■ Example Test

```
import { test, expect } from '@playwright/test';

test('user can log in successfully', async ({ page }) => {
  await page.goto('https://the-internet.herokuapp.com/login');
  await page.locator('#username').fill('tomsmith');
  await page.locator('#password').fill('SuperSecretPassword!');
  await page.getByRole('button', { name: 'Login' }).click();
  await expect(page).toHaveURL(/.*secure/);
  await expect(page.locator('.flash.success')).toBeVisible();
  await page.screenshot({ path: 'login-success.png' });
});
```