🎯 Playwright Assertions Cheatsheet

1️⃣ toBeVisible

- **Definition:** Check kare ki element visible hai.

- **Syntax:** await expect(locator).toBeVisible();

- **Example:** await expect(page.getByText('Login')).toBeVisible();

- **Tip:** Auto-wait karega element visible hone tak.

2️⃣ toHaveText

- **Definition:** Exact text match karne ke liye.

- **Syntax:** await expect(locator).toHaveText('Exact Text');

- **Example:**

    a. await expect(page.locator('.title')).toHaveText('Dashboard');

    b. await expect(page.locator('.title')).toHaveText(/Dash/); // RegEx

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3️⃣ toContainText

- **Definition:** Partial text match ke liye.

- **Syntax:** await expect(locator).toContainText('Partial');

- **Example:** await expect(page.locator('.title')).toContainText('Dash');

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4 toHaveAttribute

- **Definition:** Element ka HTML attribute verify karna.

- **Syntax:** await expect(locator).toHaveAttribute('attr', 'value');

- **Example:**

    a. await expect(page.locator('a.login')).toHaveAttribute('href', '/login');

    b. await expect(page.locator('a.login')).toHaveAttribute('href', /login/);

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5 toHaveValue

- **Definition:** Input/textarea ka value check karna.

- **Syntax:** await expect(locator).toHaveValue('Value');

- **Example:** await expect(page.locator('#username')).toHaveValue('Vinay');

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6 toBeChecked

- **Definition:** Checkbox/radio checked hai ya nahi.

- **Syntax:** await expect(locator).toBeChecked();

- **Example:** `await expect(page.locator('#remember')).toBeChecked();`

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7 toBeEnabled / toBeDisabled

- **Definition:** Element enabled ya disabled hai ya nahi.

    Syntax:

    a. await expect(locator).toBeEnabled();

    b. await expect(locator).toBeDisabled();

- **Example:**

    a. `await expect(page.locator('#submit')).toBeEnabled();`

    b. `await expect(page.locator('#cancel')).toBeDisabled();`

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8 toHaveCount

- **Definition:** Elements ki count verify karna.

- **Syntax:** await expect(locator).toHaveCount(number);

- **Example:** `await expect(page.locator('.product')).toHaveCount(5);`

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9 toHaveURL

- **Definition:** Current page ka URL check karna.

    Syntax:

    a. await expect(page).toHaveURL('URL');

    b. await expect(page).toHaveURL(/pattern/);

- **Example:**

    a. await expect(page).toHaveURL('https://example.com/dashboard');

    b. await expect(page).toHaveURL(/dashboard/);

🔟 toHaveTitle

- **Definition:** Page ka title verify karna.

- **Syntax:**

  a. await expect(page).toHaveTitle('Title');

  b. await expect(page).toHaveTitle(/pattern/);

- **Example:**

  ```
  a. await expect(page).toHaveTitle('My Website');

  b. await expect(page).toHaveTitle(/Website/);
  ```

💡 Best Practices

1. Assertions automatically retry hoti hain timeout tak (default 5s).

2. Flaky tests avoid karne ke liye timeout badhao:

   ```
   await expect(locator).toBeVisible({ timeout: 10000 });
   ```

3. Prefer **Playwright expect** instead of manual waits.

❌ Common Mistakes

- Click ke turant baad assert karna without waiting.

- Exact text match me spaces/case ignore na karna.

- Multiple matches hone par .first() ya .nth() na use karna.