Actions

Playwright can perform various interactions on web elements such as text inputs, checkboxes, radio buttons, selecting options, mouse clicks, typing, shortcuts, file uploads, and more. Below is an explanation of the core actions:

**1. Text Input**

* Use locator.fill() to fill out text, date, time, or datetime fields.

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// Example: Filling text and date inputs

await page.getByRole('textbox').fill('Peter');

await page.getByLabel('Birth date').fill('2020-02-02');

**2. Checkboxes & Radio Buttons**

* Use locator.setChecked() for toggling checkboxes and selecting radio buttons.

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// Example: Check a checkbox

await page.getByLabel('I agree to the terms above').check();

**3. Select Options**

* Use locator.selectOption() to choose single or multiple options from a dropdown.

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// Example: Single and multiple option selection

await page.getByLabel('Choose a color').selectOption('blue');

await page.getByLabel('Choose multiple colors').selectOption(['red', 'green', 'blue']);

**4. Mouse Clicks**

* Perform single, double, or right-clicks. You can also hover over elements and control click positions.

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// Example: Click and right-click

await page.getByRole('button').click();

await page.getByText('Item').click({ button: 'right' });

**5. Forcing Clicks**

* Bypass actionability checks if an element is blocked or covered.

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// Example: Force click

await page.getByRole('button').click({ force: true });

**6. Programmatic Clicks**

* Trigger clicks directly via JavaScript dispatch events.

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// Example: Dispatch a click event

await page.getByRole('button').dispatchEvent('click');

**7. Typing Characters**

* Use locator.pressSequentially() for typing characters, simulating real keyboard events.

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// Example: Type character by character

await page.locator('#area').pressSequentially('Hello World!');

**8. Keys & Shortcuts**

* Simulate pressing keys and keyboard shortcuts.

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// Example: Press Enter or Ctrl+Right

await page.getByText('Submit').press('Enter');

**9. Uploading Files**

* Use locator.setInputFiles() to upload files or directories.

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// Example: Upload files

await page.getByLabel('Upload file').setInputFiles('myfile.pdf');

**10. Focusing Elements**

* Use locator.focus() to focus on a specific element.

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// Example: Focus on an input

await page.getByLabel('Password').focus();

**11. Drag and Drop**

* Perform drag-and-drop operations using locator.dragTo().

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// Example: Drag and drop an item

await page.locator('#item-to-be-dragged').dragTo(page.locator('#item-to-drop-at'));

**12. Scrolling**

* Playwright automatically scrolls elements into view but you can manually scroll if needed.

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// Example: Scroll into view

await page.getByText('Footer text').scrollIntoViewIfNeeded();