**1. Selecting an Option with selectOption**

The selectOption method is used to directly select an option from a dropdown by value, label, or index.

**Example Using selectOption Method**

javascript

Copy code

const selectorLocator = page.locator('select#dropdown');

// Select an option by its value

await selectorLocator.selectOption('optionValue1');

// Verify that the option is selected

const selectedValue = await selectorLocator.inputValue();

console.log(`Selected option value: ${selectedValue}`); // Outputs 'optionValue1'

// Assert the selected option

await expect(selectorLocator).toHaveValue('optionValue1');

**2. Using click to Open a Dropdown and Select an Option**

You can also use the click method to manually open a dropdown and select an option.

**Example Using click Method**

javascript

Copy code

const dropdownLocator = page.locator('select#dropdown');

// Click to open the dropdown

await dropdownLocator.click();

// Select the option by clicking on it

await page.click('option[value="optionValue1"]'); // Adjust selector for specific option

// Verify that the option is selected

const selectedValue = await dropdownLocator.inputValue();

console.log(`Selected option value after click: ${selectedValue}`); // Outputs 'optionValue1'

// Assert the selected option

await expect(dropdownLocator).toHaveValue('optionValue1');

**3. Using selectOption by Label or Index**

**Example Using selectOption by Label**

javascript

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const selectorLocator = page.locator('select#dropdown');

// Select an option by its label (visible text)

await selectorLocator.selectOption({ label: 'Option 1' });

// Verify that the correct option is selected

await expect(selectorLocator).toHaveValue('optionValue1');

**Example Using selectOption by Index**

javascript

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const selectorLocator = page.locator('select#dropdown');

// Select the first option by index

await selectorLocator.selectOption({ index: 0 });

// Verify the selection

const selectedValue = await selectorLocator.inputValue();

console.log(`Selected option value by index: ${selectedValue}`);

// Assert the selected option

await expect(selectorLocator).toHaveValue('optionValue1');