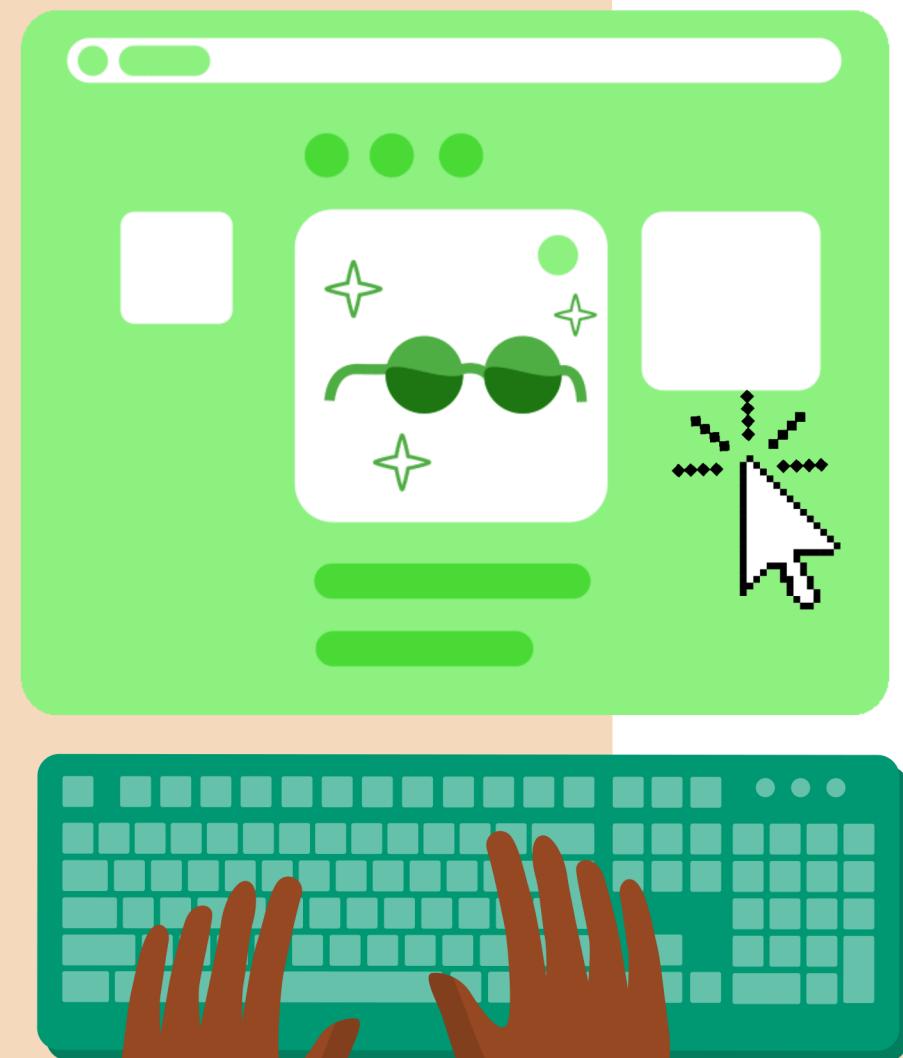


6



WEBPAGE INTERACTIONS

WHAT TO EXPECT



- 1 Common Operations
- 2 Important Considerations
- 3 Xpath Strategies
- 4 Additional Strategies
- 5 Wrap Up

Common Operations

click

enter text

read text



Common Operations

webdriver methods

click

.click()

enter text

.sendKeys()

read text

.getText()

How ?

- HTML element attribute: id="elementId"
- HTML element attribute: name="elementName"
- HTML element attribute: class="elementClass"
- HTML element tag name: e.g., div, input, button
- **XPath** 
- CSS Selector
- Link Text and Partial Link Text
- Custom Attributes

Important Considerations:

- Choose the appropriate locator based on the structure and attributes of the HTML elements on the webpage.
- Prioritize unique and stable locators to avoid issues with dynamic content.
- Use XPath and CSS selectors judiciously, as they can be powerful but may become brittle if the page structure changes.



When working with Selenium WebDriver in JavaScript, these locator strategies will help you interact with elements on a webpage effectively.

Common XPath Strategies:

Absolute XPath:

- Specifies the exact path from the root element to the desired element.

/html/body/div/div[2]/form/div[1]/div[2]/input

Relative XPath:

- More flexible and recommended for dynamic web pages.
- Starts from the current node and navigates through the elements.

//input[@name='login_email']

Additional Strategies:

ID Selector:

- Targets elements with a specific ID attribute.

Example -

#username

Class Selector:

- Selects elements based on their class attribute.

Example -

.form-input

Some help to locate & build Xpath

By. Strategy (Selector). Action

```
By.xpath("//input[@name='login_email']").sendKeys("student@qacurry.com")
```

By. Strategy (Selector). Action

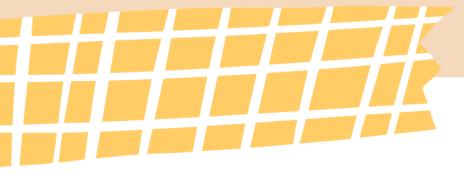
```
By.xpath("//input[@name='login_email']").sendKeys("student@qacurry.com")
```

By.xpath is a method in Selenium WebDriver that allows you to locate web elements using XPath expressions. In this case, it specifies that the following locator strategy will be XPath-based.

Specifies a condition that the selected <input> element must have the attribute name equal to 'login_email'.

'sendKeys' is a method in Selenium WebDriver that simulates typing into the selected web element. In this case, it is used to input the email address "student@qacurry.com" into the text field.

Assignment



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See you in Next Video

