

Locators

Locator	Syntax	Description	Example
ID	<code>By.id("id")</code>	Selects an element based on the value of the <code>id</code> attribute	<code>driver.findElement(By.id("username"))</code>
Name	<code>By.name("name")</code>	Selects an element based on the value of the <code>name</code> attribute	<code>driver.findElement(By.name("email"))</code>
Class Name	<code>By.className("class")</code>	Selects an element based on the value of the <code>class</code> attribute	<code>driver.findElement(By.className("login-button"))</code>
Tag Name	<code>By.tagName("tagname")</code>	Selects an element based on the tag name	<code>driver.findElement(By.tagName("a"))</code>
Link Text	<code>By.linkText("text")</code>	Selects an anchor element (a) based on the visible text	<code>driver.findElement(By.linkText("Logout"))</code>
Partial Link Text	<code>By.partialLinkText("text")</code>	Selects an anchor element (a) based on a portion of the visible text	<code>driver.findElement(By.partialLinkText("ogou"))</code>
CSS Selector	<code>By.cssSelector("css")</code>	Selects elements based on the CSS selector	<code>driver.findElement(By.cssSelector("#login-form input[type='email']"))</code>
XPath	<code>By.xpath("xpath")</code>	Selects elements based on the XPath expression	<code>driver.findElement(By.xpath("//input[@name='email']"))</code>

Element Interactions

Action	Syntax	Description
Click	<code>element.click()</code>	Clicks on the element
Send Keys	<code>element.sendKeys("text")</code>	Types text into the element
Clear	<code>element.clear()</code>	Clears the text from the element
Get Attribute	<code>element.getAttribute("attribute")</code>	Gets the value of the specified attribute
Get Text	<code>element.getText()</code>	Gets the visible text of the element
Is Displayed	<code>element.isDisplayed()</code>	Checks if the element is displayed
Is Enabled	<code>element.isEnabled()</code>	Checks if the element is enabled
Is Selected	<code>element.isSelected()</code>	Checks if the element is selected

Wait Commands

Command	Syntax	Description
Implicit Wait	<code>driver.manage().timeouts().implicitlyWait(time, unit)</code>	Sets the time to wait for an element to be present
Explicit Wait	<code>WebDriverWait wait = new WebDriverWait(driver, time); wait.until(ExpectedConditions.&lt;expectedCondition&gt;(locator));</code>	Waits for a specific condition to be met before continuing

Expected Conditions

Condition	Syntax	Description
Element To Be Clickable	<code>ExpectedConditions.elementToBeClickable(locator)</code>	Waits for the element to be clickable
Element To Be Selected	<code>ExpectedConditions.elementToBeSelected(locator)</code>	Waits for the element to be selected
Element To Be Visible	<code>ExpectedConditions.visibilityOfElementLocated(locator)</code>	Waits for the element to be visible
Title Contains	<code>ExpectedConditions.titleContains(text)</code>	Waits for the title to contain the specified text