

Day - 03

16 May 2024 14:16

How to Automate the Keyboard using Actions Class

- Mouse Actions
 - Scrolling Actions
 - Keyboard Actions
- It is a class Present in our Class.
 - Non - Static methods.
 - Compulsory method ----> build () and perform ().

Syntax

```
Actions act = new Actions(WebDriver driver);
```

- To press the Key ---> keyDown();
- To Release the key ---> keyUp();

```
//Step 1 : Create object of Actions class
Actions act = new Actions(driver);
//Step 2 : Press the key
act.keyDown(Keys.SHIFT).sendKeys("selenium").build().perform();
//Step 3 ; Release the key
act.keyUp(Keys.SHIFT).build().perform();
```

Dropdown handling

2 Types of Drop Down

- Single select drop down
- Multi-select drop down

➤ Select Class

- Special Class Present in Selenium.
- Used to Handle the Drop Down.
- Drop down ---> Dev ----> <select> html tag.
- Non - static methods.

Syntax

➤ `Select s = new Select(WebElement dropdown);`

- To Select the options from the drop down
 - `selectByIndex(int indexnum);`
 - `selectByValue(String Value);`
 - `selectByVisibleText(String Visible Text);`

```
//Step 1 : Locate the drop down
WebElement dropdown = driver.findElement(By.xpath("//select[@title='SelectYourHero']"));

//Step 2 : Create object of Select class
Select s = new Select(dropdown);

//Step 3 : select the options
s.selectByIndex(4); // Hrithik Roshan
Thread.sleep(2000);

s.selectByValue("shahid"); //shahid
Thread.sleep(2000);

s.selectByVisibleText("Ranbir Kapoor"); //Ranbir Kapoor
```

Task

1 - Navigate to google, enter your name, clear and enter selenium, capture the screen shot of entire web page. Don't use `clear()`.

2 - Navigate to demo web shop, perform login, click on books link, sort by low to high and capture the screen shot.

To De-Select the Options

- `deselectByIndex(int index);`
- `deselectByValue(String value);`
- `deselectByVisibleText(String Visible text);`
- `deselectAll();`

Fetch all the options

- `getOptions();`
- Return type ---> `List<WebElement>`

To get the first selected option

- `getFirstSelectedOption();`
- Return Type ----> `WebElement`

To get all selected options

- `getAllSelectedOptions();`
- Return Type ----> `List<WebElement>`

Verify multi select

- `isMultiple();`
- Return type ---> `boolean`

<https://rakeshb13.github.io/SeleniumHTMLPages/DropDown.html>
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<https://in.via.com/>