**Selenium Class**

# Chapter#10 – Handling drop-downs

1. **Select in Selenium WebDriver**
2. **Selecting options from Dropdown**
3. **Different utility methods in the Select class**

## Select in Selenium WebDriver

The ‘Select’ class in Selenium WebDriver is used for selecting and deselecting the option in a dropdown. The objects of the Select type can be initialized by passing the dropdown WebElement as a parameter to its constructor.

WebElement testDropDown = driver.findElement(By.id("testingDropdown"));

Select dropdown = new Select(testDropDown);

## Selecting options from Dropdown

There are three ways of selecting options from Dropdown-

1. **selectByIndex**

To select an option based on its index, beginning with 0.

dropdown.selectByIndex(3);

1. **selectByValue**

To select an option based on its ‘value’ attribute.

dropdown.selectByValue("Database");

1. **selectByVisibleText**

To select an option based on the text over the option.

dropdown.selectByVisibleText("Database Testing");

## Different utility methods in the Select class

**deselectAll()**

To deselect all the selected options.

**deselectByIndex(int index)**

To deselect the option based on its index.

**deselectByValue(String valueAttribute)**

To deselect the option its ‘value’ attribute.

**deselectByVisibleText(String text)**

To deselect the option based on the text over the option.

**getOptions()**

To return list of all the options(List<WebElement>).

**getAllSelectedOptions()**

To return the list of all the selected options(List<WebElement>).

**getFirstSelectedOption()**

To return the selected option or the first selected option in case of dropdowns allowing multi-select.

**isMultiple()**

To return a boolean value, check if the dropdown allows multiple options to select or not.