Handling Drop Down Box Items / List box Items

Case Study – Handling Drop Down Box items/List box items:

- User TestNG/Junit Framework and Open URL By any browsers
  - Chrome Browser
  - Firefox
  - Internet Explorer
- Open URL: https://www.facebook.com/
- Select the option Month "Aug" from the drop-down menu
- Use Different option of select class and print values
- Close the Browser

```java
package DemoDropDown;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
import org.testng.annotations.Test;

public class FaceBookDemo {
	@Test
	public void FBlaunch() throws InterruptedException {

		System.setProperty("webdriver.chrome.driver",
		"D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
		WebDriver driver = new ChromeDriver();
		driver.manage().window().maximize();
		driver.navigate().to("https://www.facebook.com/campaign/landing.php");

		WebElement month_Dropdown = driver.findElement(By.id("month"));
		Select month_dd = new Select(month_Dropdown);
		// WebElement str=month_dd.getFirstSelectedOption();

		month_dd.selectByIndex(3);
		Thread.sleep(10000);
		month_dd.selectByValue("9");
		Thread.sleep(10000);
		month_dd.selectByVisibleText("Aug");
		Thread.sleep(10000);

	}
}
```

Second Method .getFirstSelectedOption

```java
package DemoDropDown;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
import org.testng.annotations.Test;

public class TestCase1 {
	@Test
	public void Test() throws InterruptedException {
		System.setProperty("webdriver.chrome.driver",
			"D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
		WebDriver driver = new ChromeDriver();
		driver.manage().window().maximize();
		driver.navigate().to("https://www.facebook.com/campaign/landing.php");

		WebElement month_Dropdown = driver.findElement(By.id("month"));
		Select month_dd = new Select(month_Dropdown);

		WebElement option = month_dd.getFirstSelectedOption();
		String monthindex = option.getText();
		System.out.println(monthindex);
		month_dd.selectByIndex(12);

		WebElement option1 = month_dd.getFirstSelectedOption();
		String monthindex1 = option1.getText();
		System.out.println(monthindex1);
		Thread.sleep(10000);
	}
}
```

```java
package DemoDropDown;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
import org.testng.annotations.Test;

public class TestCase2 {
    @Test
    public void Test() {
        System.setProperty("webdriver.chrome.driver",
        "D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.navigate().to("https://www.facebook.com/campaign/landing.php");

        WebElement month_Dropdown = driver.findElement(By.id("month"));
        Select month_dd = new Select(month_Dropdown);

        // String Item=month_Dropdown.getText();
        // System.out.println(Item);

        List<WebElement> month_list = month_dd.getOptions();
        int total_month = month_list.size();
        System.out.println("Total months count in List : " + total_month);

        for (WebElement ele : month_list) {
            String month_name = ele.getText();
        System.out.println("Month Names in DropDownlist.... :" + month_name);

        }
        driver.quit();
    }
}
```

Third Method .getOptions()

Case Study – Handling Drop Down Box items/List box items:

- User TestNG/Junit Framework and Open URL By any browsers
    - Chrome Browser
    - Firefox
    - Internet Explorer
    - https://scgi.half.ebay.com/ws/eBayISAPI.dll?RegisterEnterInfo&usage=2943&ru
- Select the option Month "Aug" from the drop-down menu
- Use Different option of select class and print values
- Count number of list items in drop down box and print in console
- Close the Browser

```java
package DemoDropDown;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
import org.testng.annotations.Test;

public class TestDropDown {
	@Test
	public void BrowserCommands() throws Exception {
		System.setProperty("webdriver.chrome.driver",
		"D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
		WebDriver driver = new ChromeDriver();

		driver.get("https://scgi.half.ebay.com/ws/eBayISAPI.dll?RegisterEnterInf
		o&usage=2943&ru=");
		driver.manage().window().maximize();

		Select dropdownCity = new Select(driver.findElement(By.id("state")));
		dropdownCity.selectByVisibleText("California");

		List<WebElement> state_list = dropdownCity.getOptions();
		int total_month = state_list.size();
		System.out.println("Total State count in List : " + total_month);

		for (WebElement ele : state_list) {
		String month_name = ele.getText();
		System.out.println("State Names in DropDownlist.... :" + month_name);

		}
		driver.quit();
	}
}
```