**Handling Various Web Elements**

**AdvancedLocateElementDemo.java**

**package** com.ecommerce.test;

**import** java.util.List;

**import** org.openqa.selenium.\*;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.Select;

**public** **class** AdvancedLocateElementDemo {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

WebDriver driver = **new** ChromeDriver(); // new FirefoxDriver();

// demoXPathCSSSelector(driver);

*demoElementAction*(driver);

// close the browser and quit.

// driver.close();

}

/\* Select/Multi-select actions demo \*/

**static** **void** demoElementAction(WebDriver driver) {

String baseUrl = "File:///C:\\Users\\Dell\\eclipse-workspace5\\hello-selenium1\\src\\main\\resources\\test.html";

driver.get(baseUrl);

WebElement selectMonthElement = driver.findElement(By.*id*("month"));

Select selectMonth = **new** Select(selectMonthElement);

System.***out***.println("selectMonth is muti select " + selectMonth.isMultiple());

selectMonth.selectByIndex(0);

selectMonth.selectByIndex(6);

List<WebElement> optionsList = selectMonth.getAllSelectedOptions();

**for**(WebElement option : optionsList)

System.***out***.println("selectMonth selected options are " + option.getText());

}

**static** **void** demoXPathCSSSelector(WebDriver driver) {

String baseUrl = "File:///C:\\Users\\Dell\\eclipse-workspace5\\hello-selenium1\\src\\main\\resources\\test.html";

driver.get(baseUrl);

List<WebElement> inputAdminElements = driver.findElements(By.*xpath*("//input[contains(@id, 'admin')]"));

System.***out***.println("inputAdminElements has " + inputAdminElements.size());

// same as above but by using CSS selectors

List<WebElement> inputAdminElementsUsingCSSSelector = driver.findElements(By.*cssSelector*("input[id\*='admin']"));

System.***out***.println("inputAdminElementsUsingCSSSelector has " + inputAdminElementsUsingCSSSelector.size());

WebElement secondH3SiblingOfForm = driver.findElement(By.*cssSelector*("h3:nth-child(2)"));

System.***out***.println("secondH3SiblingOfForm text is " + secondH3SiblingOfForm);

}

}



