4.8 Working with External Elements

This section will guide you to:

* How to handle External elements using Selenium.

**Development Environment**

* Eclipse IDE for Enterprise Java Developers Version Oxygen.3a Release (4.8.3a)
* JavaDevelopment Kit Version 8
* Selenium standalone server Version 3.141.59

This guide has mainly three subsections, namely:

4.8.1 Handling external popups.

4.8.2 Handling new tabs and new windows.

4.8.3 Pushing the code to your GitHub Repository.

**Step 4.8.1:** Handling External pop-ups.

* WebDriver has the ability to interact with multiple windows, which includes alerts using the method switchTo. This method allows to switch the control to pop-up while keeping the browser open in the background.
* Syntax for handling the different types of pop ups:
* To click on the “OK” button in pop-up

Syntax: WebDrive driver = new chromeDriver();

driver.switchTo().alert().accept();

* To click on the “Cancel” button in pop-up

Syntax: WebDrive driver = new chromeDriver();

driver.switchTo().alert().dismiss();

* To Capture the alert message

Syntax: WebDrive driver = new chromeDriver()

driver.switchTo().alert().getText();

* To enter the information

Syntax: WebDrive driver = new chromeDriver()

driver.switchTo().alert().sendKeys(“text”);

* To exit from the pop-up

Syntax: WebDrive driver = new chromeDriver();

driver.switchTo().alert().close();

**Step 4.8.2:** Handling new tabs and new windows.

* Opening a new tab  
  Syntax: WebDrive driver = new chromeDriver();  
   driver.findElement(By.id(“xyz”)).sendKeys(Keys.CONTROL + “t”);
* Opening a new window

Syntax: WebDriver driver = new chromeDriver();

driver.findElements(By.id(“xyz”).sendKeys(Keys.CONTROL + “w”);

**Step 4.8.3:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master