**How to handle javascript alerts, confirmation and prompts?**

Generally JavaScript popups are generated by web application and hence they can be easily controlled by the browser.

Webdriver offers the ability to cope with javascript alerts using Alerts API

// Get a handle to the open alert, prompt or confirmation  
**Alert alert = driver.switchTo().alert();**

Alert is an interface. There below are the methods that are used

//Will Click on OK button.  
**alert.accept();**

// Will click on Cancel button.  
**alert.dismiss()**

//will get the text which is present on th Alert.  
**alert.getText();**

//Will pass the text to the prompt popup  
**alert.sendkeys();**

//Is used to Authenticate by passing the credentials  
alert.authenticateUsing(Credentials credentials)

**Working with Alerts using Selenium Webdriver:**

The below is the sample code for alerts, please copy and make an html file and pass it to the webdriver.

<**html**>

<**head**>

<**title**>Selenium Easy Alerts Sample </**title**>

</**head**>

<**body**>

<**h2**>Alert Box Example</**h2**>

<**fieldset**>

<**legend**>Alert Box</**legend**><**p**>Click the button to display an alert box.</**p**>

<**button** onclick="alertFunction()">Click on me</**button**>

<**script**>

**function** **alertFunction**()

{

alert("I am an example for alert box!");

}

</**script**>

</**fieldset**>

</**body**>

</**html**>

The below program will demonstrate you working on Alerts popup using above html file.

**import** org.openqa.selenium.Alert;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.testng.annotations.Test;

**public** **class** **PopupsHandling** {

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

@Test

**public** **void** **ExampleForAlert**() **throws** InterruptedException

{

driver.manage().window().maximize();

driver.get("file:///C:/path/alerts.html");

Thread.sleep(2000);

driver.findElement(By.xpath("//button[@onclick='alertFunction()']")).click();

Alert alert=driver.switchTo().alert();

System.out.println(alert.getText());

alert.accept();

}

}

**Working with Confirmation Popups**

The below is the sample code for confirmation Popup, please copy and make an html file and pass it to the webdriver as below.

<**html**>

<**head**>

<**title**>Selenium Easy Confirm popup Sample </**title**>

</**head**>

<**body**>

<**h2**>Confirm Box Example</**h2**>

<**fieldset**>

<**legend**>Confirm Box</**legend**>

<**p**>Click the button to display a confirm box.</**p**>

<**button** onclick="confirmFunction()">Click on me</**button**>

<**p** id="confirmdemo"></**p**>

<**script**>

**function** **confirmFunction**()

{

**var** cb;

**var** c=confirm("I am an Example for Confirm Box.\n Press any button!");

**if** (c==true)

  {

  cb="You Clicked on OK!";

  }

**else**

  {

  cb="You Clicked on Cancel!";

  }

document.getElementById("confirmdemo").innerHTML=cb;

}

</**script**>

</**fieldset**>

</**body**>

</**html**>

The below program will demonstrate you working on Confirmation popup using above html file.

**import** org.openqa.selenium.Alert;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.testng.annotations.Test;

**public** **class** **PopupsHandling** {

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

@Test

**public** **void** **ExampleForConfirmBox**() **throws** InterruptedException

{

driver.manage().window().maximize();

driver.get("file:///C:/path/confirmation.html");

Thread.sleep(2000);

driver.findElement(By.xpath("//button[@onclick='confirmFunction()']")).click();

Alert alert=driver.switchTo().alert();

System.out.println(alert.getText());

alert.dismiss();

}

}

**Working with Prompt Popups.**

In prompt, you can enter the text using webdriver sendkeys("text..")

The below is the sample code for prompt popup, please copy and make an html file and pass it to the webdriver as below.

<**html**>

<**head**>

<**title**>Selenium Easy Prompt popup Sample </**title**>

</**head**>

<**body**>

<**h2**>Prompt Box Example</**h2**>

<**fieldset**>

<**legend**>Prompt Box</**legend**>

<**p**>Click the button to demonstrate the prompt box.</**p**>

<**button** onclick="promptFunction()">Click on me</**button**>

<**p** id="promptdemo"></**p**>

<**script**>

**function** **promptFunction**()

{

**var** x;

**var** person=prompt("Please enter your name","Your name");

**if** (person!=null)

  {

  x="Hello " + person + "! Welcome to Selenium Easy..";

  document.getElementById("promptdemo").innerHTML=x;

  }

}

</**script**>

</**fieldset**>

</**body**>

</**html**>

The below program will demonstrate you working on prompt popup using above html file.

**import** org.openqa.selenium.Alert;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.testng.annotations.Test;

**public** **class** **PopupsHandling** {

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

@Test

**public** **void** **ExampleForPromptBox**() **throws** InterruptedException

{

driver.manage().window().maximize();

driver.get("file:///C:/path/prompt.html");

Thread.sleep(2000);

driver.findElement(By.xpath("//button[@onclick='promptFunction()']")).click();

Alert alert=driver.switchTo().alert();

driver.switchTo().alert().sendKeys("Helllo");

alert.accept();

System.out.println(alert.getText());

}

}