

Handling Alerts in Selenium WebDriver

```
package HandlingAlerts;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;

public class AlertPopups {

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

        System.setProperty("webdriver.chrome.driver",
            "D:\\Selenium\\Selenium Browsers Jars\\Chrome 84\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://the-internet.herokuapp.com/javascript_alerts");
        driver.manage().window().maximize();
        driver.findElement(By.xpath("//button[contains(text(),'Click for JS Alert')]")).click();
        Alert alert = driver.switchTo().alert();
        Thread.sleep(8000);
        alert.accept();
        String result = driver.findElement(By.cssSelector("#result")).getText();
        System.out.println(result);
        Assert.assertEquals("You successfully clicked an alert", result);

        driver.findElement(By.xpath("//button[contains(text(),'Click for JS Confirm')]")).click();
        Alert alert2 = driver.switchTo().alert();
        Thread.sleep(8000);
        alert2.dismiss();
        String result2 = driver.findElement(By.cssSelector("#result")).getText();
        System.out.println(result2);
        Assert.assertEquals("You clicked: Cancel", result2);

        driver.findElement(By.xpath("//button[contains(text(),'Click for JS Confirm')]")).click();
        Alert alert3 = driver.switchTo().alert();
        Thread.sleep(8000);
        alert3.accept();
        String result3 = driver.findElement(By.cssSelector("#result")).getText();
        System.out.println(result3);
        Assert.assertEquals("You clicked: Ok", result3);

        driver.findElement(By.xpath("//button[contains(text(),'Click for JS Prompt')]")).click();
        driver.switchTo().alert().sendKeys("Hello Raghavendra");
        Thread.sleep(8000);
        driver.switchTo().alert().accept();

        String result4 = driver.findElement(By.cssSelector("#result")).getText();
        System.out.println(result4);
        Assert.assertEquals("You entered: Hello Raghavendra", result4);
        //

        driver.get("https://admin:admin@the-internet.herokuapp.com/basic_auth");
        String result5 = driver
            .findElement(By.xpath("//p[contains(text(),'Congratulations! You must have the proper credentials')]"))
            .getText();
        Thread.sleep(8000);
        System.out.println(result5);
        Assert.assertEquals("Congratulations! You must have the proper credentials.", result5);
        driver.quit();
    }
}
```

```

package HandlingAlerts;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class DemoAlerts {
    public static void main(String[] args) 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.get("https://mail.rediff.com/cgi-bin/login.cgi");
        driver.findElement(By.name("proceed")).click(); // click on Go btn

        Thread.sleep(5000);

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

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

        String text = alert.getText();

        if (text.equals("Please enter a valid user name")) {
            System.out.println("correct alert messg");
        } else {
            System.out.println("in-correct alert messg");
        }

        alert.accept(); // click on OK btn
        // alert.dismiss(); //click on cancel btn
    }
}

```

```

package HandlingAlerts;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class HandlingAlertsDemo {
    public static void main(String[] args) {
        try {
            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("http://www.javascriptkit.com/javatutors/alert2.shtml");

            // The sleep time is added to slow down the execution
            // so that we can see what's happening
            Thread.sleep(5000);

            // Alert Accept
            WebElement alertBox1 = driver.findElement(By.name("B3"));
            alertBox1.click();
            Thread.sleep(5000);
            Alert alert = driver.switchTo().alert();
            alert.accept();
            Thread.sleep(5000);
            // The second accept is because, the example
            // website is showing one more
            alert.accept();
            Thread.sleep(5000);

            // Alert Dismiss
            WebElement alertBox2 = driver.findElement(By.name("B3"));
            alertBox2.click();
            Thread.sleep(5000);
            alert.dismiss();
            Thread.sleep(5000);
            alert.accept();

            // send input to alert
            WebElement alertBox3 = driver.findElement(By.name("B4"));
            alertBox3.click();
            Thread.sleep(5000);
            alert.sendKeys("Raghavendra");
            alert.accept();
            Thread.sleep(5000);
            alert.accept();

            driver.quit();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

```