Alert Handling in Selenium

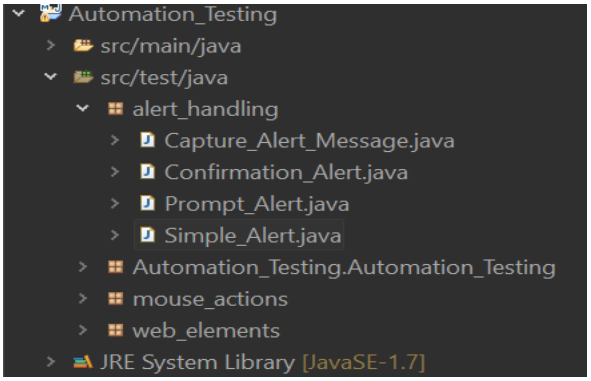
This document will record the execution of the Alert handling section of the Final assessment

Alerts Handling:

a) Simple alert
b) Prompt alert
c) Confirmation Alert

a) Folder structure

Inside the package alert_handling, the classes have been created with respect to the questions asked



Simple alert ()

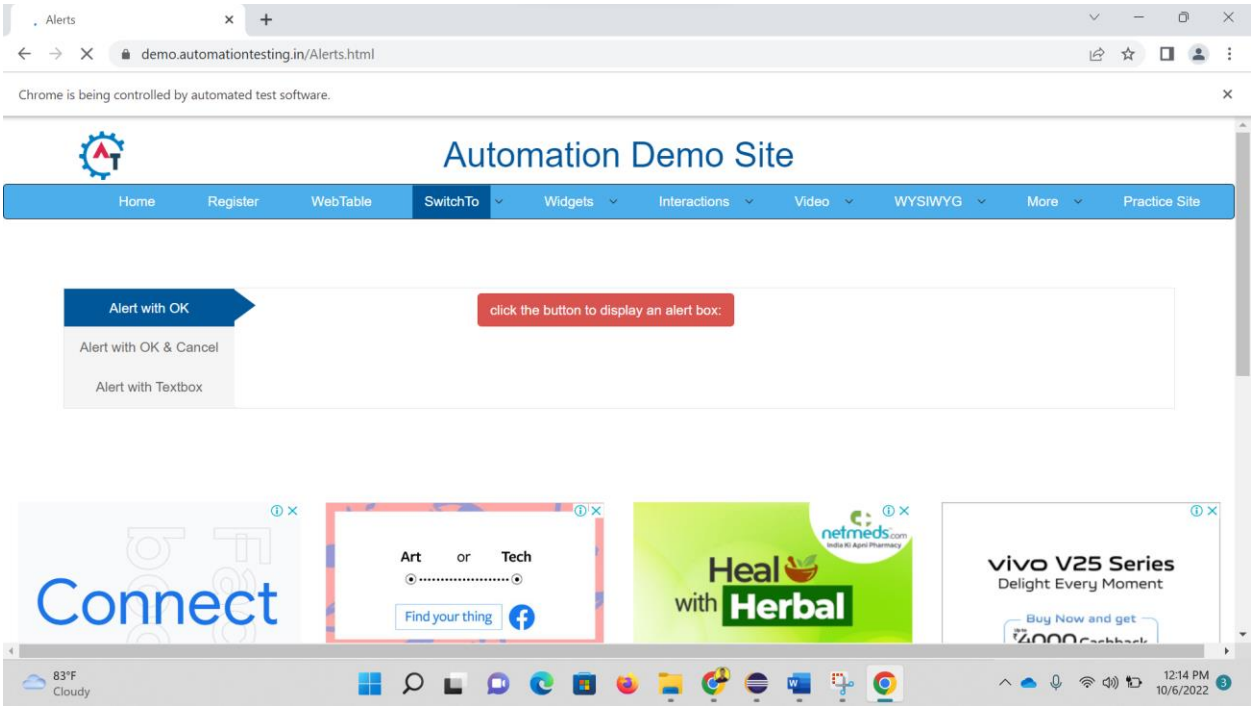
This alert is used to notify a simple warning message with an 'OK' button as shown in the below snapshot.

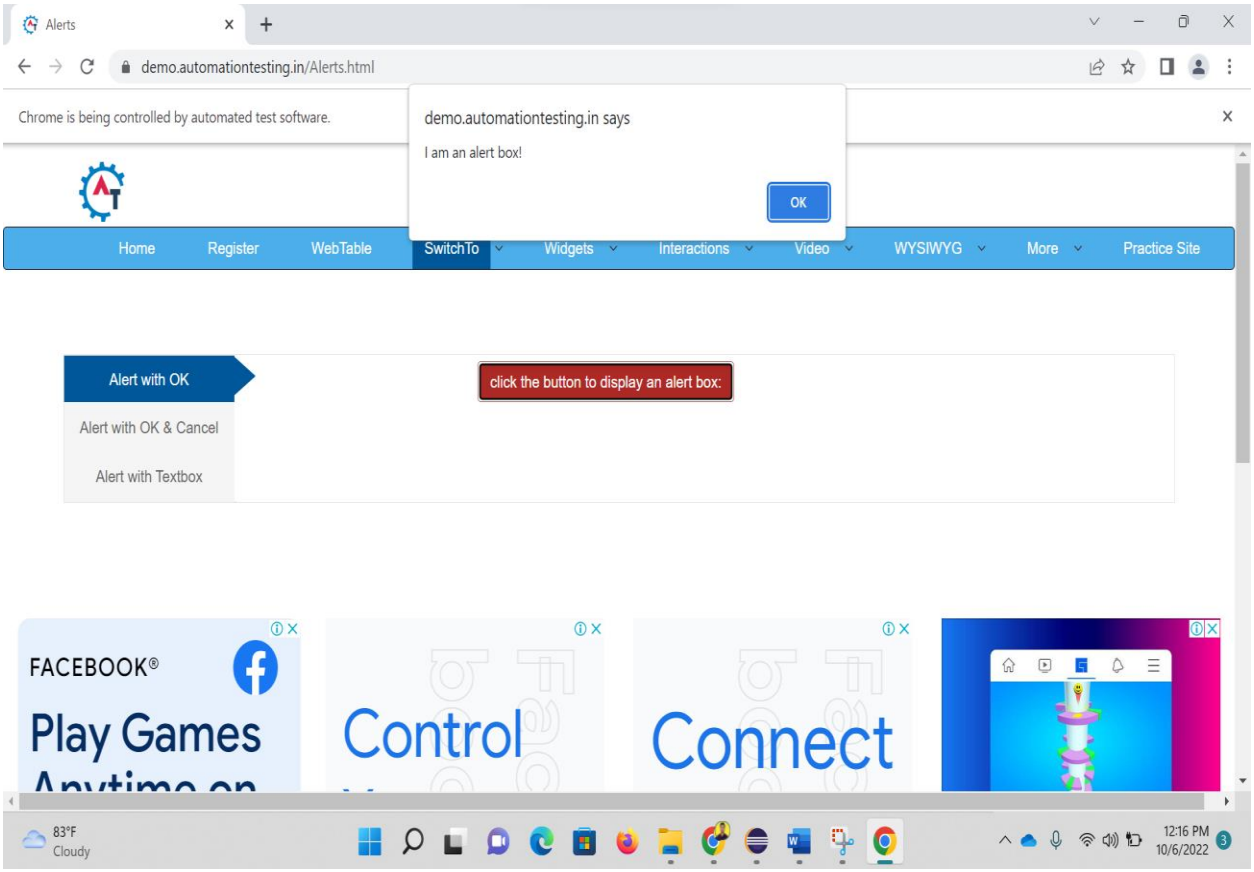
Driver.switchto().alert().accept() is the command used to accept the alert message. This is shown in line 22

Simple_Alert.java

```
1  package alert_handling;
2
3  import java.util.concurrent.TimeUnit;
9  //import org.openqa.selenium.interactions.Actions;
10 //import org.openqa.selenium.Alert;
11
12 public class Simple_Alert {
13
14     public static void main(String[] args) {
15         System.setProperty("webdriver.chrome.driver", "C:\\brayan1\\chromedriver.exe");
16         WebDriver driver = new ChromeDriver();
17         driver.manage().timeouts().implicitlyWait(100, TimeUnit.SECONDS);
18         driver.manage().window().maximize();
19         driver.get("https://demo.automationtesting.in/Alerts.html");
20         driver.findElement(By.xpath("//button[@class='btn btn-danger']")).click();
21         //Alert alert = driver.switchTo().alert();
22         driver.switchTo().alert().accept();
23     }
24
25 }
26
```

Automation output



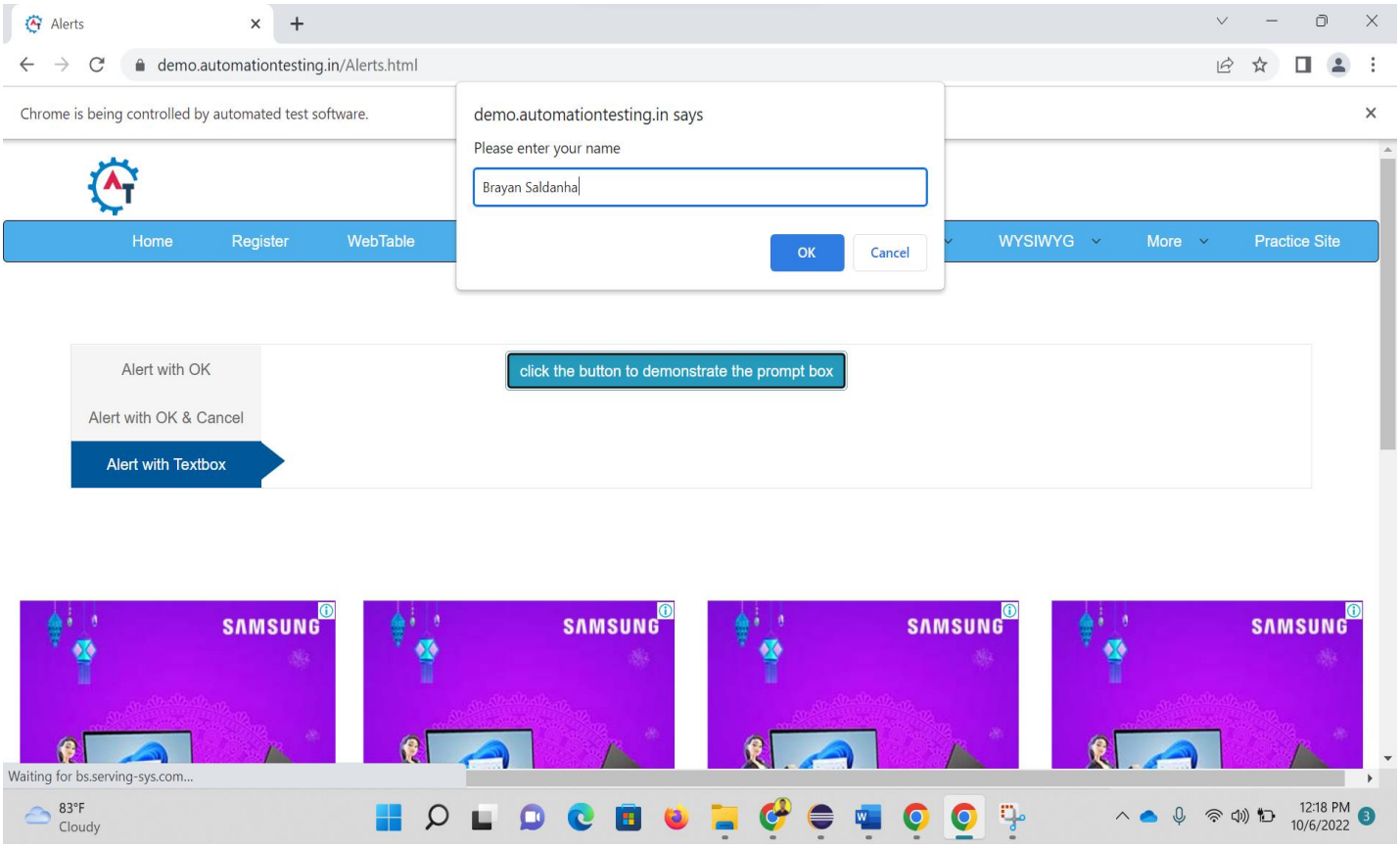


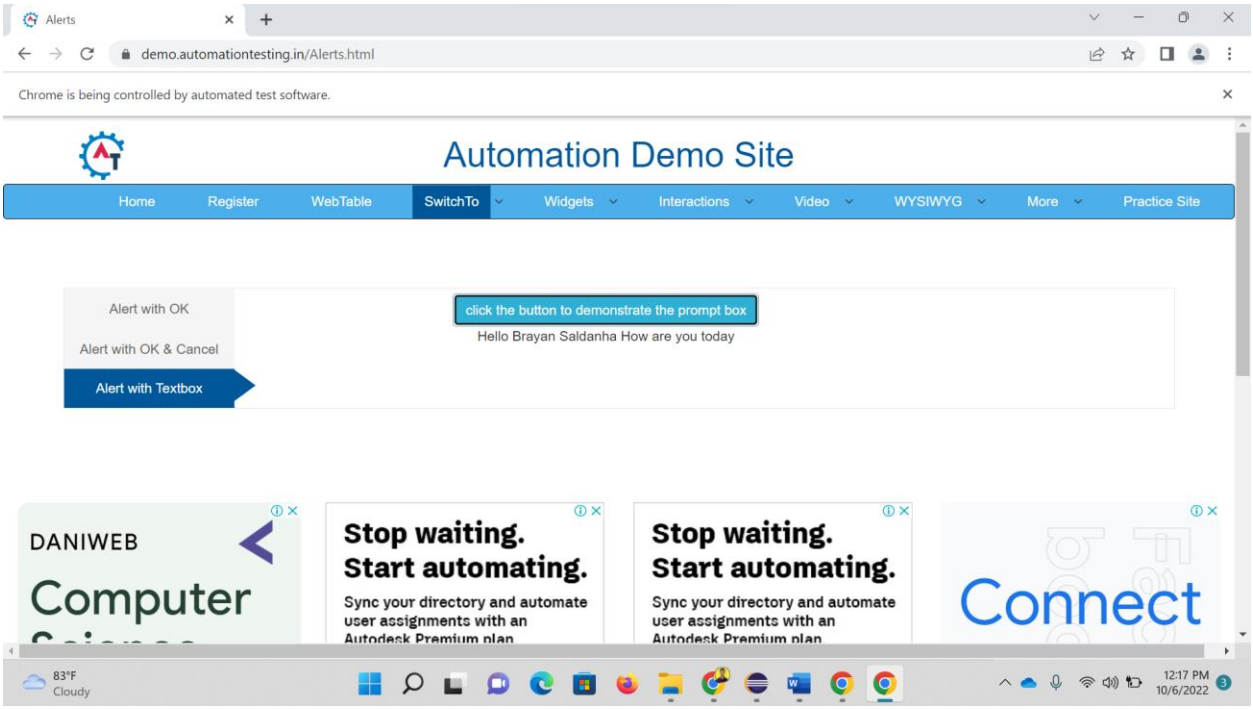
Prompt alert ():

This alert will ask the user to input the required information to complete the task. Here we use the send Keys method in line 19 to send the prompt and accept method to click the OK button of the alert in line 20.

Prompt_Alert.java

```
1  package alert_handling;
2
3  import java.util.concurrent.TimeUnit;
8
9  public class Prompt_Alert {
10
11     public static void main(String[] args) {
12         System.setProperty("webdriver.chrome.driver", "C:\\brayan1\\chromedriver.exe");
13         WebDriver driver = new ChromeDriver();
14         driver.manage().timeouts().implicitlyWait(100, TimeUnit.SECONDS);
15         driver.manage().window().maximize();
16         driver.get("https://demo.automationtesting.in/Alerts.html");
17         driver.findElement(By.linkText("Alert with Textbox")).click();
18         driver.findElement(By.xpath("//button[@class='btn btn-info']")).click();
19         driver.switchTo().alert().sendKeys("Brayan Saldanha");
20         driver.switchTo().alert().accept();
21     }
22
23 }
24
```





Confirmation alert ():

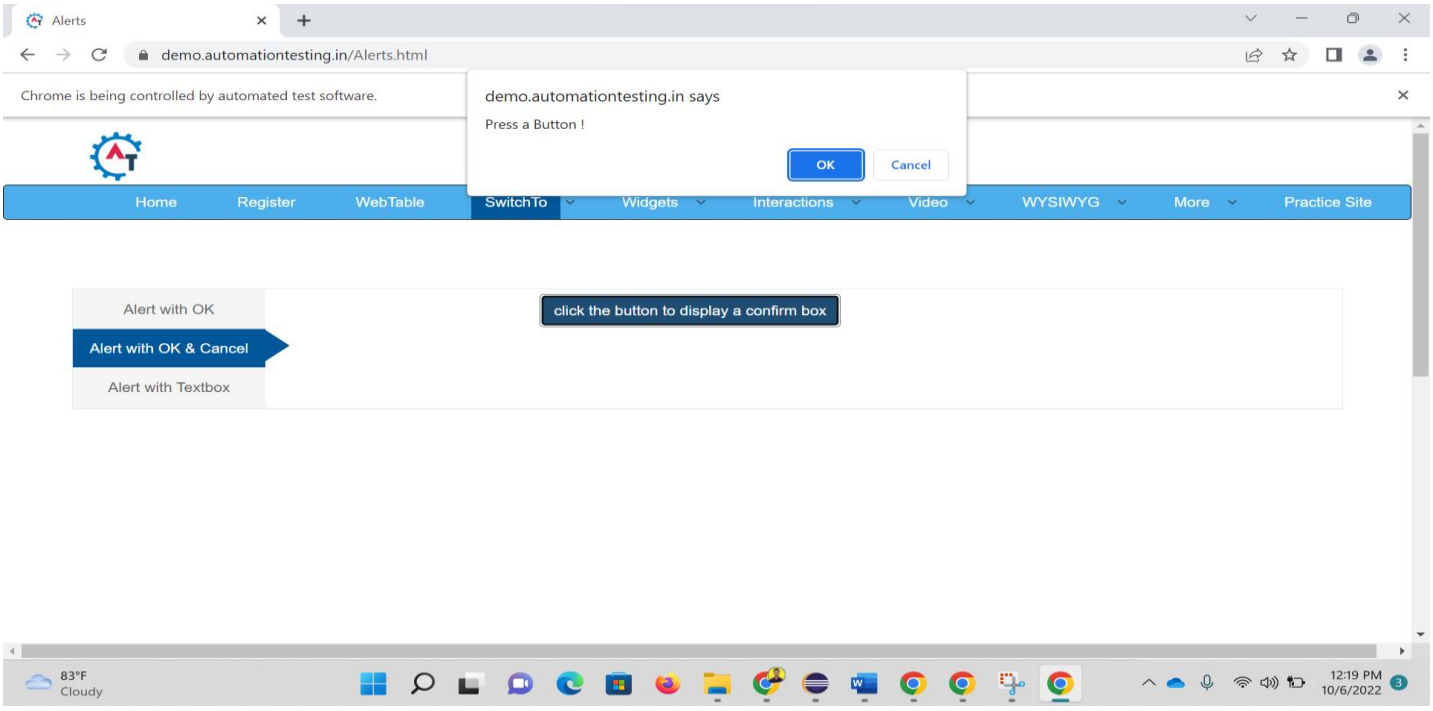
Confirmation alert is nothing but clicking on leave or cancel before leaving the website

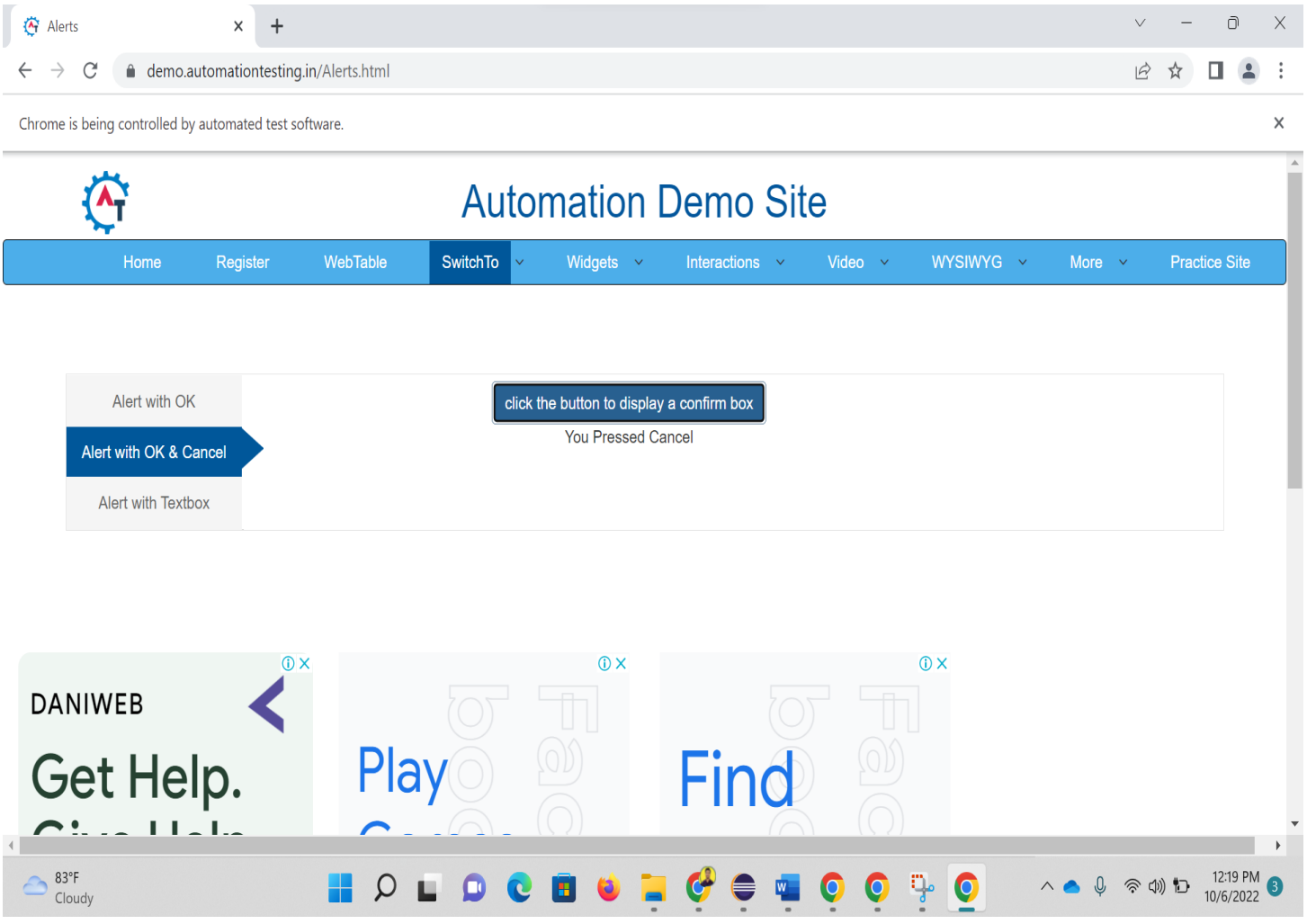
i) In line 15, I use the maximize method the maximize the window and in line 14, I use implicitly wait to delay the automation until the web page loads

ii) I then use the dismiss method in line 19 to press on cancel

Prompt_Alert.java | Confirmation_Alert.java

```
1  package alert_handling;
2
3  import java.util.concurrent.TimeUnit;
8
9  public class Confirmation_Alert {
10
11     public static void main(String[] args) {
12         System.setProperty("webdriver.chrome.driver", "C:\\brayan1\\chromedriver.exe");
13         WebDriver driver = new ChromeDriver();
14         driver.manage().timeouts().implicitlyWait(100, TimeUnit.SECONDS);
15         driver.manage().window().maximize();
16         driver.get("https://demo.automationtesting.in/Alerts.html");
17         driver.findElement(By.linkText("Alert with OK & Cancel")).click();
18         driver.findElement(By.xpath("//button[@class='btn btn-primary']")).click();
19         driver.switchTo().alert().dismiss();
20     }
21
22 }
23
```


Alerts
demo.automationtesting.in/Alerts.html
Chrome is being controlled by automated test software.
demo.automationtesting.in says
Press a Button !
OK
Cancel
Home
Register
WebTable
SwitchTo
Widgets
Interactions
Video
WYSIWYG
More
Practice Site
Alert with OK
Alert with OK & Cancel
Alert with Textbox
click the button to display a confirm box
83°F
Cloudy
12:19 PM
10/6/2022


Alerts
demo.automationtesting.in/Alerts.html
Chrome is being controlled by automated test software.
Automation Demo Site
Home
Register
WebTable
SwitchTo
Widgets
Interactions
Video
WYSIWYG
More
Practice Site
Alert with OK
Alert with OK & Cancel
Alert with Textbox
click the button to display a confirm box
You Pressed Cancel
DANIWEB
Get Help.
Play
Find
83°F
Cloudy
12:19 PM
10/6/2022

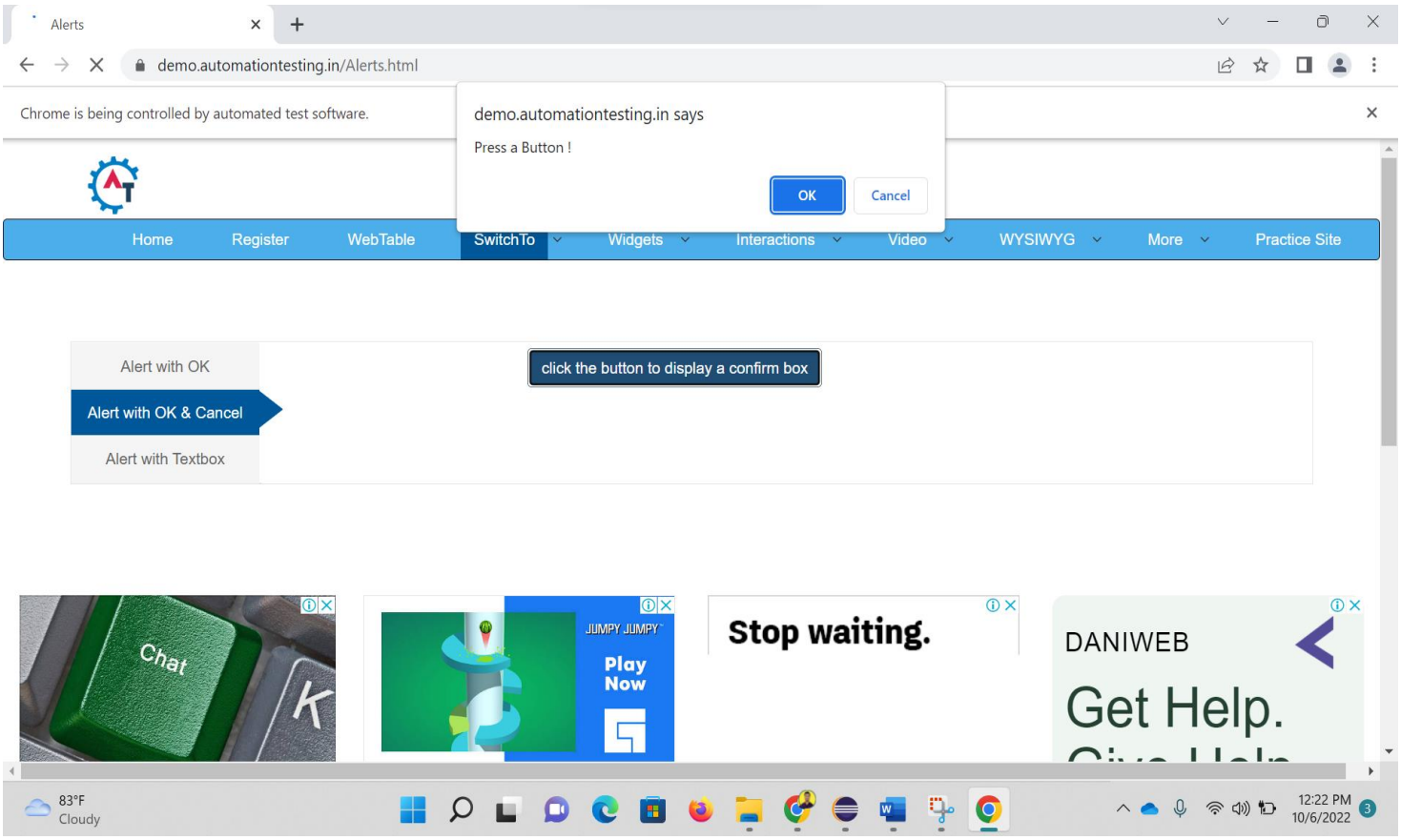
Capture Alert Message ():

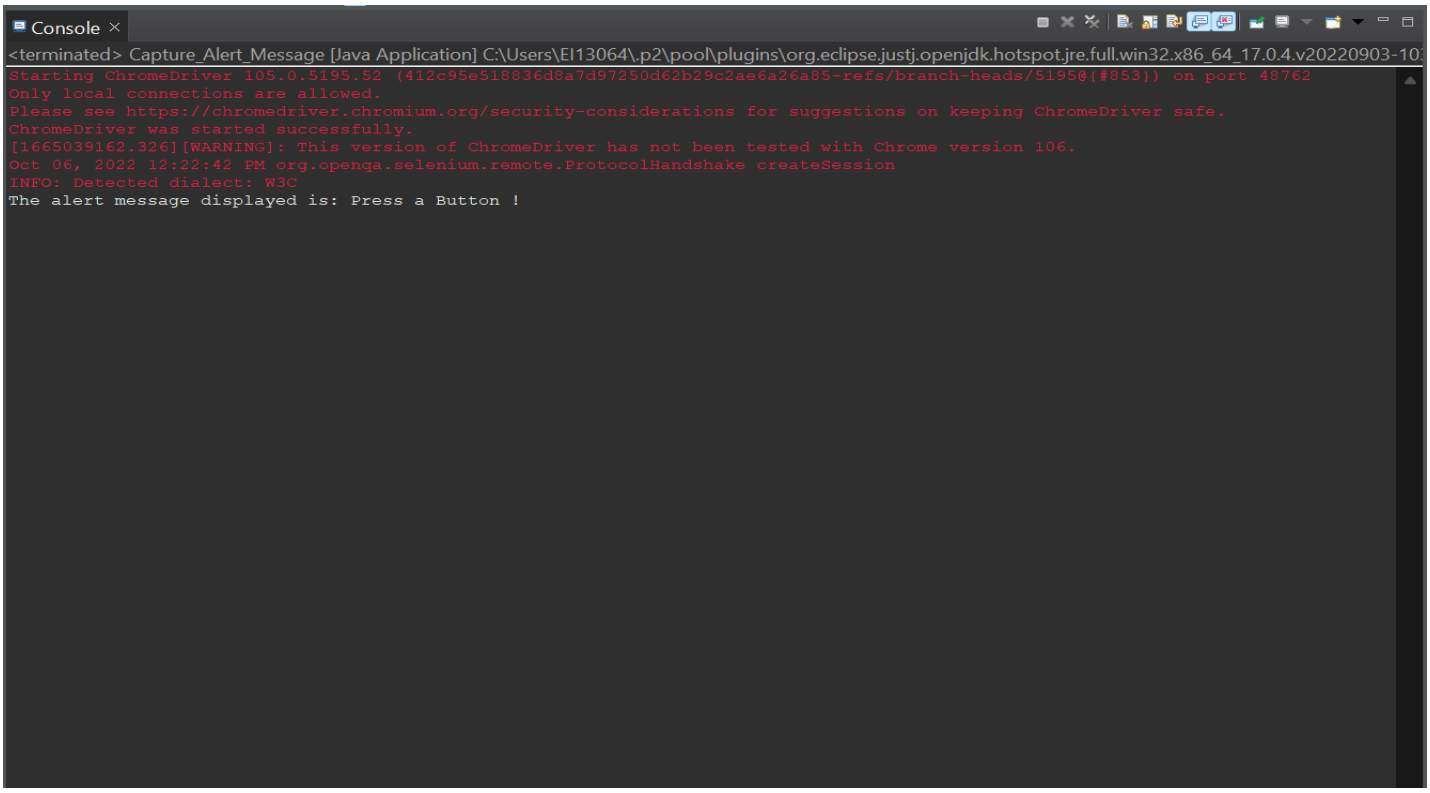
Capture alert message us used to capture the message and display it on the console.

i) In line 20, I declare a String s to capture the alert message using the get Text method
ii) This String ‘a’ is then printed on the console.

Capture_Alert_Message.java

```
1  package alert_handling;
2
3  import java.util.concurrent.TimeUnit;
8
9  public class Capture_Alert_Message {
10
11     public static void main(String[] args) {
12         System.setProperty("webdriver.chrome.driver", "C:\\brayan1\\chromedriver.exe");
13         WebDriver driver = new ChromeDriver();
14         driver.manage().timeouts().implicitlyWait(100, TimeUnit.SECONDS);
15         driver.manage().window().maximize();
16         driver.get("https://demo.automationtesting.in/Alerts.html");
17         driver.findElement(By.linkText("Alert with OK & Cancel")).click();
18         driver.findElement(By.xpath("//button[@class='btn btn-primary']")).click();
19         //driver.switchTo().alert().dismiss();
20         String a = driver.switchTo().alert().getText();
21         System.out.println("The alert message displayed is: " + a);
22
23     }
24
25 }
26
```




Console
<terminated> Capture_Alert_Message [Java Application] C:\Users\EI13064\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-10
Starting ChromeDriver 105.0.5195.52 (412c95e518836d8a7d97250d62b29c2ae6a26a85-refs/branch-heads/5195@{#853}) on port 48762
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
[1665039162.326][WARNING]: This version of ChromeDriver has not been tested with Chrome version 106.
Oct 06, 2022 12:22:42 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
The alert message displayed is: Press a Button !