Assignment

1. Objective

In this challenge, we will automate e-commerce site.

Task

• Please try to configure Chrome Browser and navigate to https://www.jcpenney.com/

• Search for shirts and add the first item in the search list to cart

• Move till checkout and you can stop when It ask for login

Program code:

```java
package com.ibm.LaunchBrowsers;

import java.io.IOException;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class LaunchBrowser {
	public static void main(String[] args) throws IOException {

	System.setProperty("webdriver.chrome.driver","./driver/chromedriver.exe");
		WebDriver driver=new ChromeDriver();
		driver.manage().window().maximize();
	driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
	driver.navigate().to("https://www.jcpenney.com/");
	WebElement Close= driver.findElement(By.xpath("//a[@ id='closeButton']"));
	Close.click();
	WebElement Search= driver.findElement(By.xpath("//input[@id='searchTerm']"));
	Search.sendKeys("Shirt");
	WebElement SearchButton=
driver.findElement(By.xpath("//button[@title='search']"));
	SearchButton.click();
	WebElement Image=driver.findElement(By.xpath("//img[@alt='Stafford Travel
Easy-Care Stretch Broadcloth Long Sleeve Broadcloth Dress Shirt']"));
	Image.click();
	WebElement Size= driver.findElement(By.xpath("//option[@value='25']"));
	Size.click();
	WebElement Measure=driver.findElement(By.xpath("//option[@value='1']"));
	Measure.click();
	WebElement Color=driver.findElement(By.xpath("//img[@title='White']"));
	Color.click();
	WebElement Add=driver.findElement(By.xpath("//button[@name='add to bag']"));
	Add.click();
	WebElement
Frame=driver.findElement(By.xpath("//iframe[@name='modalIframe']"));
```
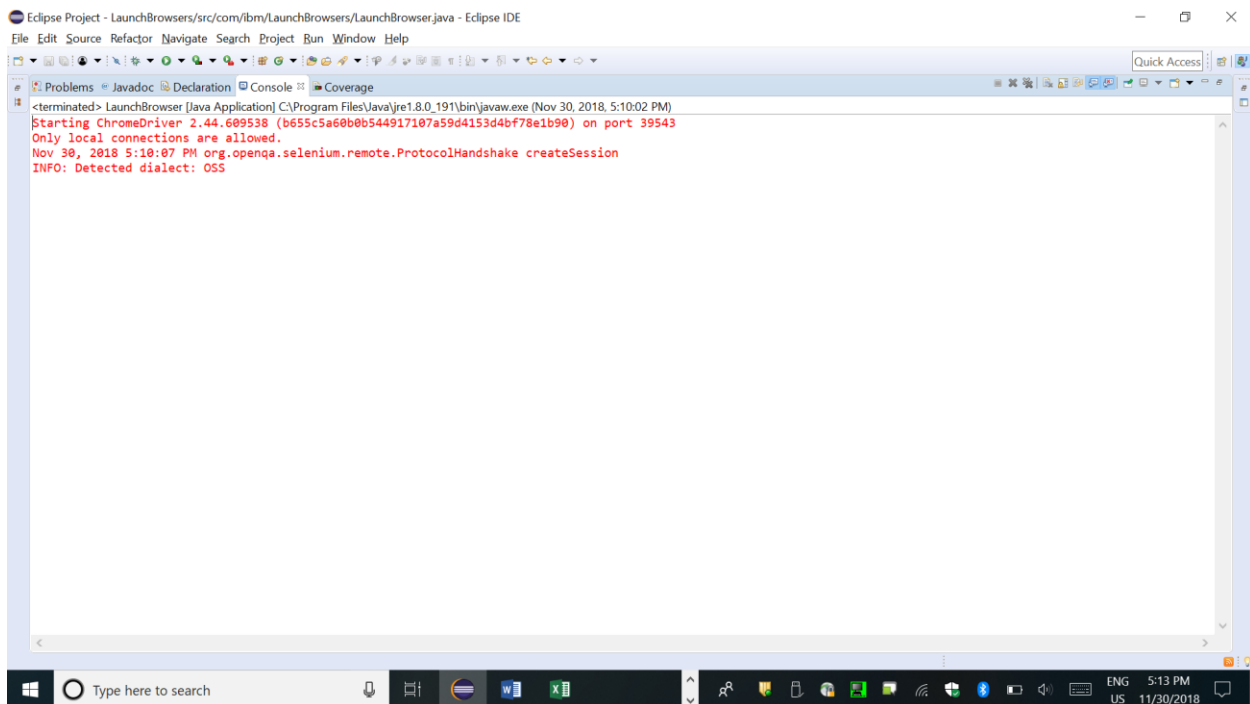
```
        driver.switchTo().frame(Frame);
        WebElement Checkout=
driver.findElement(By.xpath("//input[@id='btncheckout']"));
        Checkout.click();
        driver.switchTo().defaultContent();
        WebElement
FinalCheckout=driver.findElement(By.xpath("//input[@title='checkout']"));
        FinalCheckout.click();


    }
}
```

Output from Selenium WebDrive:

2. Objective

In this challenge, we will write only xpath

Task

• **Please launch https://www.facebook.com/**

• **Write xpath for FirstName, SurName, Mobile Number, New Password, Sign Up**

Program Code:

```
package com.ibm.LaunchBrowsers;

import java.io.IOException;
import java.util.concurrent.TimeUnit;
```
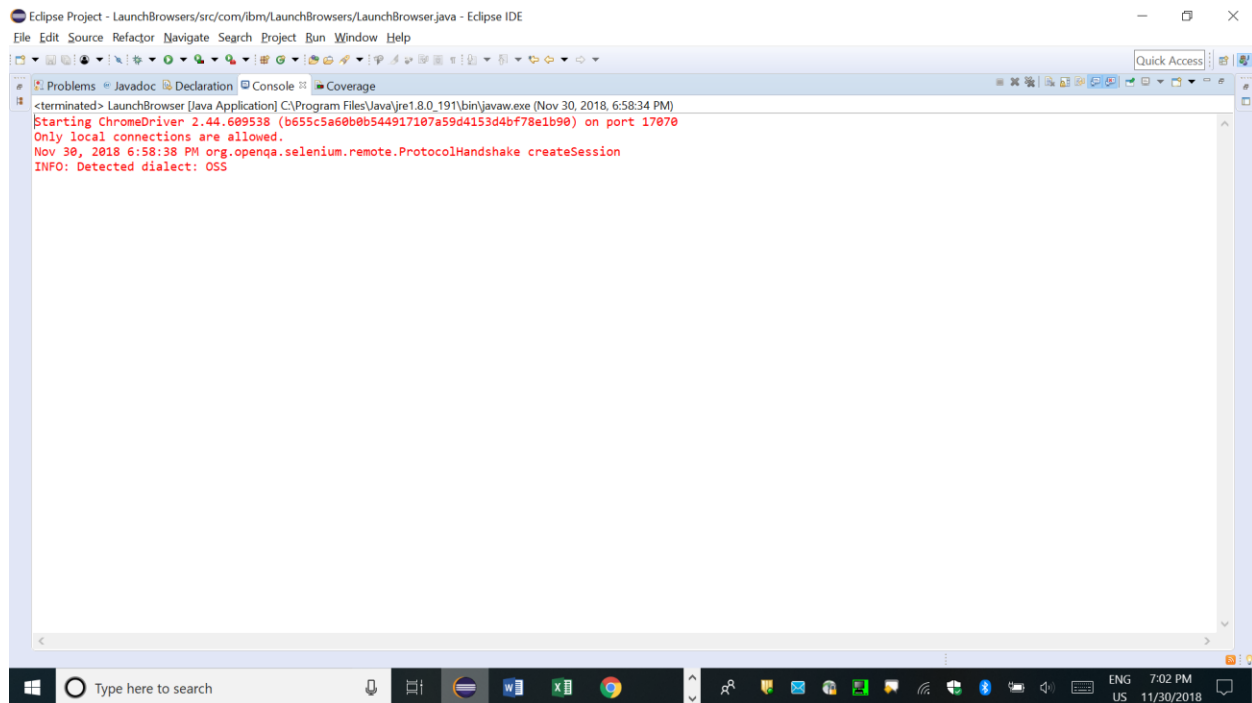
```java
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class LaunchBrowser {
        public static void main(String[] args) throws IOException {

        System.setProperty("webdriver.chrome.driver","./driver/chromedriver.exe");
                WebDriver driver=new ChromeDriver();
                driver.manage().window().maximize();
            driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
            driver.navigate().to("https://www.facebook.com/");
            WebElement FirstName =
driver.findElement(By.xpath("//input[@name='firstname']"));
            FirstName.sendKeys("Amutha");
            WebElement LastName =
driver.findElement(By.xpath("//input[@name='lastname']"));
            LastName.sendKeys("Shunmugam");
            WebElement Email =
driver.findElement(By.xpath("//input[@name='reg_email__']"));
            Email.sendKeys("amuthadhivya20@gmail.com");
            WebElement EmailConfirm=
driver.findElement(By.xpath("//input[@name='reg_email_confirmation__']"));
            EmailConfirm.sendKeys("amuthadhivya20@gmail.com");
            WebElement Password =
driver.findElement(By.xpath("//input[@name='reg_passwd__']"));
            Password.sendKeys("Jenise32@");
            WebElement Date= driver.findElement(By.xpath("//option[@value='18']"));
            Date.click();
            WebElement Month=driver.findElement(By.xpath("//select[@title='Month']"));
            Month.sendKeys("Mar");
            WebElement Year=driver.findElement(By.xpath("//select[@title='Year']"));
            Year.sendKeys("1994");
            WebElement Sex=driver.findElement(By.xpath("//input[@value='1']"));
            Sex.click();
            WebElement Signup=driver.findElement(By.xpath("//button[@type='submit']"));
            Signup.click();


        }
}

Program output from WebDriver:
```

3. Task

• Please launch https://www.facebook.com/

• Enter Email and Password and click on Login

Program Code:

```java
package com.ibm.LaunchBrowsers;

import java.io.IOException;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class LaunchBrowser {
    public static void main(String[] args) throws IOException {

    System.setProperty("webdriver.chrome.driver","./driver/chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();
    driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
    driver.navigate().to("https://www.facebook.com/");
```

```java
WebElement Email=driver.findElement(By.xpath("//input[@name='email']"));
Email.sendKeys("amuthavallieee@gmail.com");
WebElement Password=driver.findElement(By.xpath("//input[@name='pass']"));
Password.sendKeys("Welcome123");
WebElement Login=driver.findElement(By.xpath("//input[@value='Log In']"));
Login.click();



        }
}
```

Program output from selenium Webdriver: