ASSIGNMENT 5

Task1:

- Please try to configure Chrome Browser and navigate to https://www.jcpenny.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

Solution:

package com.ibm.seleniumassignments;

import java.util.List;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.Select;

import org.openqa.selenium.support.ui.WebDriverWait;

public class JCPenny {

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

                //About the program

                System.out.println("This program will shop for a shirt");

                //Set property for chrome driver

                System.setProperty("webdriver.chrome.driver", "./chromedriver.exe");

                WebDriver chrdriver=new ChromeDriver();

                //Explicit Wait

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```java
WebDriverWait wait=new WebDriverWait(chrdriver, 60);

//To maximize the window

chrdriver.manage().window().maximize();

//Implicit Wait

chrdriver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);

//Launch page

chrdriver.get("https://www.jcpenney.com/");

String url=chrdriver.getCurrentUrl();

System.out.println("Application URL: "+url);

String title=chrdriver.getTitle();

System.out.println("Initial Page Title: "+title);

//To handle the pop up window and to click the continue shopping from the popup
window

boolean
windowDisp=chrdriver.findElement(By.xpath("//*[@id='modal']")).isDisplayed();

if (windowDisp=true)

{

        System.out.println("Shipping to India popup window is displayed");

        WebElement
windowDispClose=chrdriver.findElement(By.xpath("//a[@id='closeButton']"));

        windowDispClose.click();

}

else

{

        System.out.println("Shipping to India popup window is not displayed");

}

Thread.sleep(1000);

//To position to search box

WebElement searchEle= chrdriver.findElement(By.xpath("//input[@id='searchTerm']"));
```

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```
searchEle.click();

System.out.println("Search box found");

//To enter 'Shirt' text in search box

searchEle.sendKeys("Shirt");

//To find and click the search icon

WebElement submitEle= chrdriver.findElement(By.xpath("//button[@title='search']"));

submitEle.click();

//To get and click the first link from the search result

WebElement
searchResult=chrdriver.findElement(By.xpath("//ul[@class='productList']/li[1]/div[1]/a/img"));

searchResult.click();

System.out.println("First search result clicked");

//To select size range

Select sizeRange=new
Select(chrdriver.findElement(By.xpath("//select[@id='SIZE_RANGE']")));

sizeRange.selectByVisibleText("regular");

System.out.println("Size Range selected");

//To select size

Select size=new Select(chrdriver.findElement(By.xpath("//select[@id='SIZE']")));

size.selectByVisibleText("small");

System.out.println("Size selected");

//To select quantity

Select qty=new Select(chrdriver.findElement(By.xpath("//select[@id='QUANTITY']")));

qty.selectByVisibleText("1");

System.out.println("Quantity selected");

//To select color

WebElement color=chrdriver.findElement(By.xpath("//ul[@class='pp__sku--list
']/li[1]/img"));

color.click();
```

```
System.out.println("Color selected");

//To click add to bag

WebElement addToBag=chrdriver.findElement(By.xpath("//button[@name='add to bag']"));

addToBag.click();

System.out.println("Item added to cart");

Thread.sleep(1000);

//To handle check out window

/*        boolean checkWindow=chrdriver.findElement(By.xpath("//span[@id='topHeading']")).isDisplayed();


System.out.println(checkWindow);

if(checkWindow=true)

{

        chrdriver.switchTo().activeElement();

        WebElement proceed=chrdriver.findElement(By.xpath("//input[@id='btncheckout']"));

        proceed.click();

        System.out.println("Checkout button clicked");

}

else

        System.out.println("Check out window not displayed");

*/

System.out.println("This is the end of the program");


    }


}
```
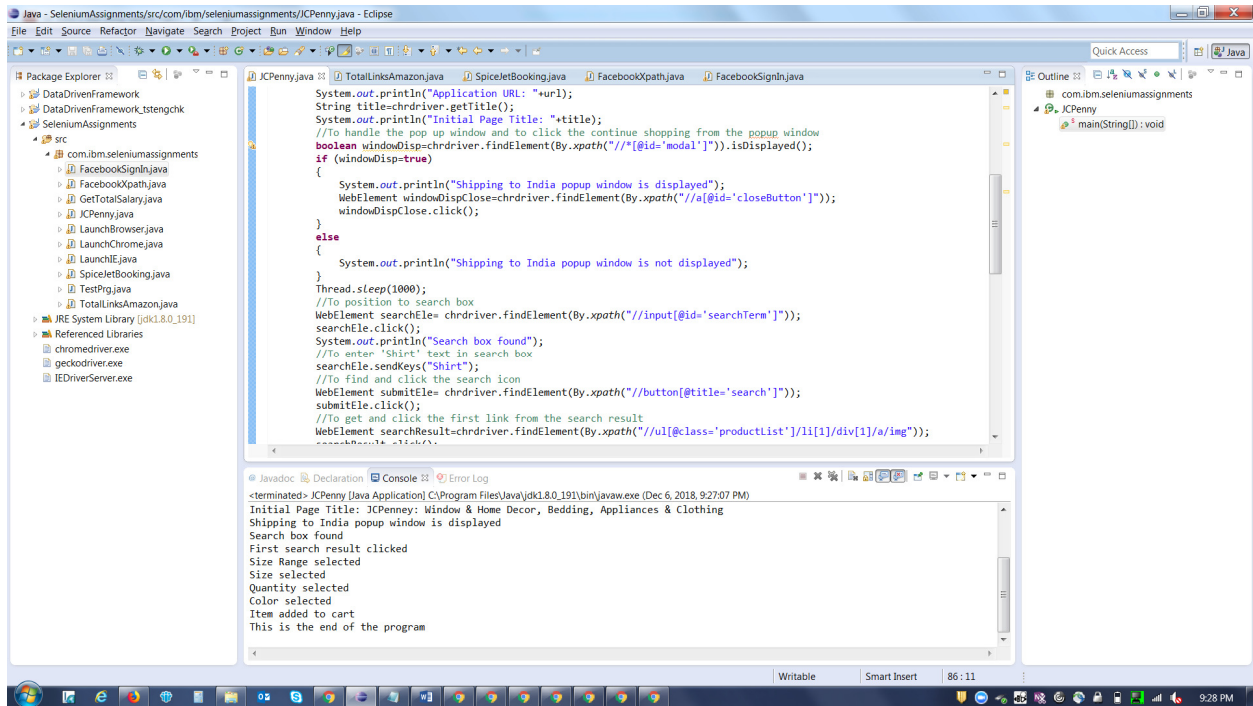
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Result flow & Screen shot:

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Task2:

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

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

Solution:

```java
package com.ibm.seleniumassignments;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;

public class FacebookXpath {
    public static void main(String[] args){
        //About the program
        System.out.println("This program will use xpaths for firstname, surname,
mobile number, new password, sign up");
        //Set property for chrome driver
        System.setProperty("webdriver.chrome.driver", "./chromedriver.exe");
        WebDriver chrdriver=new ChromeDriver();
        //Explicit Wait
        WebDriverWait wait=new WebDriverWait(chrdriver, 60);
        //To maximize the window
        chrdriver.manage().window().maximize();
        //Implicit Wait
        chrdriver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
        //Launch page
        chrdriver.get("https://www.facebook.com/");
        String url=chrdriver.getCurrentUrl();
        System.out.println("Application URL: "+url);
        String title=chrdriver.getTitle();
        System.out.println("Initial Page Title: "+title);
        //To position to the first name
        WebElement
fnameEle=chrdriver.findElement(By.xpath("//input[@name='firstname']"));
        //Enter value for first name
        fnameEle.sendKeys("Rathna");
        System.out.println("First name entered");

        //To position to the surname
        WebElement
surnameEle=chrdriver.findElement(By.xpath("//input[@name='lastname']"));
        //Enter value for surname
        surnameEle.sendKeys("Albert");
        System.out.println("Last name entered");
```

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```java
            //To position to the mobile number or email
            WebElement
mobEmailEle=chrdriver.findElement(By.xpath("//input[@name='reg_email__']"));
            //Enter value for mobile number or email
            mobEmailEle.sendKeys("9840820651");
            System.out.println("mobile nummber entered");

            //To position to the new password
            WebElement
newPassEle=chrdriver.findElement(By.xpath("//input[@name='reg_passwd__']"));
            //Enter value for new password
            newPassEle.sendKeys("facebook$123");
            System.out.println("Password entered");

            //To position to day
            Select day=new
Select(chrdriver.findElement(By.xpath("//select[@id='day']")));
            day.selectByVisibleText("8");

            //To position to month
            Select month=new
Select(chrdriver.findElement(By.xpath("//select[@id='month']")));
            month.selectByVisibleText("Apr");

            //To position to year
            WebElement yearddEle =
chrdriver.findElement(By.xpath("//select[@id='year']"));
            yearddEle.click();
            //To select year from drop down
            WebElement yearEle =
chrdriver.findElement(By.xpath("//*[@value='1983']"));
            yearEle.click();

            //To position and click Female/Male radio button
            WebElement
genderEle=chrdriver.findElement(By.xpath("//input[@value='1']"));
            genderEle.click();

            //To position to sign up
            WebElement
signupEle=chrdriver.findElement(By.xpath("//button[@name='websubmit']"));
            signupEle.click();
            System.out.println("Sign up button clicked");

            System.out.println("This is the end of the program");

    }

}
```
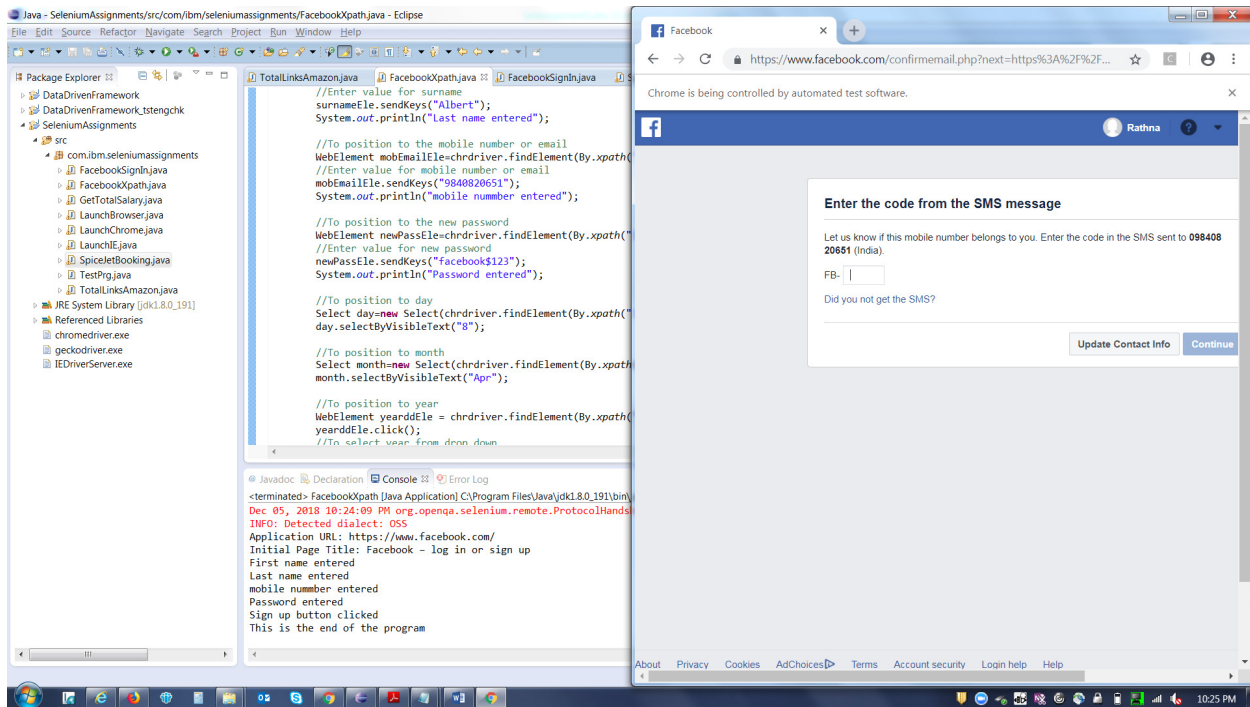**Result flow and Screen shot:**

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Task3:

- Please launch https://www.facebook.com/
- Enter email and password and click on Login

Solution:

```java
package com.ibm.seleniumassignments;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
```

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```java
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class FacebookSignIn {
    public static void main(String[] args){
        //About the program
        System.out.println("This program will sing in to face book with existing user credentials");
        //Set property for chrome driver
        System.setProperty("webdriver.chrome.driver", "./chromedriver.exe");
        WebDriver chrdriver=new ChromeDriver();
        //Explicit Wait
        WebDriverWait wait=new WebDriverWait(chrdriver, 60);
        //To maximize the window
        chrdriver.manage().window().maximize();
        //Implicit Wait
        chrdriver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
        //Launch page
        chrdriver.get("https://www.facebook.com/");
        String url=chrdriver.getCurrentUrl();
        System.out.println("Application URL: "+url);
        String title=chrdriver.getTitle();
        System.out.println("Initial Page Title: "+title);
        //To position to Email or Phone
        WebElement emailEle=chrdriver.findElement(By.xpath("//input[@name='email']"));
        //Enter value for Email or Phone
        emailEle.sendKeys("9840820651");
        System.out.println("Email entered");

        //To position to the Password
        WebElement PassEle=chrdriver.findElement(By.xpath("//input[@name='pass']"));
        //Enter value for password
        PassEle.sendKeys("facebook$123");
        System.out.println("Password entered");

        //To position to Login
        WebElement loginEle=chrdriver.findElement(By.xpath("//input[@value='Log In']"));
        loginEle.click();
        System.out.println("Sign up button clicked");

        System.out.println("This is the end of the program");

    }

}
```
Result flow & Screen shot:

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