WEEK_4

Week 04(Popup Bank Notification)

```
import java.util.HashMap;
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.chrome.ChromeOptions;
//import org.openqa.selenium.chrome.ChromeOptions;
public class Week04 {
	public static void main(String[] args) {
		HashMap<String, Object> prefs=new HashMap<String, Object>();
		prefs.put("profile.default_content_setting_values.notifications",0);
		ChromeOptions options=new ChromeOptions();
		options.setExperimentalOption("prefs", prefs);

	System.setProperty("webdriver.chrome.driver","F:\\Lab\\chromedriver\\chromedriver.exe
");
		WebDriver driver=new ChromeDriver(options);
		driver.manage().window().maximize();
		driver.get("https://www.axisbank.com/");
		WebElement
pop=driver.findElement(By.xpath("/html/body/div[1]/div[1]/div/span"));
		pop.click();
	}
	}
```

EXPLANATION

Here's a line-by-line explanation:

1. import java.util.HashMap;

- Imports the HashMap class from Java's utility package.

2. import org.openqa.selenium.By;

- Imports the By class from Selenium, used for locating elements.

3. import org.openqa.selenium.WebDriver;

- Imports the WebDriver interface from Selenium.

4. import org.openqa.selenium.WebElement;

- Imports the WebElement interface from Selenium.

5. import org.openqa.selenium.chrome.ChromeDriver;

- Imports the ChromeDriver class from Selenium.

6. import org.openqa.selenium.chrome.ChromeOptions;

- Imports the ChromeOptions class from Selenium.

7. public class Week04 {

- Defines a new Java class named Week04.

8. public static void main(String[] args) {

- Defines the main method where the program starts execution.

9. HashMap<String, Object> prefs = new HashMap<String, Object>();

- Creates a new HashMap object named prefs to store preferences.

10. prefs.put("profile.default_content_setting_values.notifications", 0);

- Disables browser notifications by setting the value to 0.

11. ChromeOptions options = new ChromeOptions();

- Creates a new ChromeOptions object.

12. options.setExperimentalOption("prefs", prefs);

- Sets the prefs map as an experimental option.

13. System.setProperty("webdriver.chrome.driver", "F:\\Lab\\chromedriver\\chromedriver.exe");

- Specifies the path to the ChromeDriver executable.

14. WebDriver driver = new ChromeDriver(options);

- Creates a new ChromeDriver instance with specified options.

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

- Maximizes the browser window.

16. driver.get("https://www.axisbank.com/");

- Navigates to the Axis Bank website.

17. WebElement pop = driver.findElement(By.xpath("/html/body/div[1]/div[1]/div/span"));

- Finds a web element using an XPath locator.

18. pop.click();

- Clicks on the found web element.

This code automates a Chrome browser instance to interact with the Axis Bank website.

WEEK_5

Week 05(Cmrit Bees Results)

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class Week5 {
	public static void main(String[] args) throws InterruptedException {
		System.setProperty("webdriver.chrome.driver",

"F:\\Lab\\chromedriver\\chromedriver.exe");
		WebDriver driver=new ChromeDriver();
		driver.manage().window().maximize();
		driver.get("https://cmritautonomous.org/beeserp/Login.aspx");
		WebElement userName=driver.findElement(By.name("txtUserName"));
		userName.sendKeys("20R01A05K6P");
		Thread.sleep(2000);
```

```
            WebElement nxtBtn=driver.findElement(By.name("btnNext"));
            nxtBtn.click();
            WebElement password=driver.findElement(By.name("txtPassword"));
            password.sendKeys("20R01A05K6P");
            Thread.sleep(2000);
            WebElement submit=driver.findElement(By.name("btnSubmit"));
            submit.click();
        }
}
```

EXPLANATION

Step 1: Importing Libraries

The code imports necessary libraries for Selenium WebDriver.

Step 2: Setting Up ChromeDriver

```
System.setProperty("webdriver.chrome.driver", "F:\\Lab\\chromedriver\\chromedriver.exe");
WebDriver driver = new ChromeDriver();
```

- Sets the path to the ChromeDriver executable.
- Creates a new ChromeDriver instance.

Step 3: Maximizing Browser Window

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

- Maximizes the Chrome browser window.

Step 4: Navigating to Login Page

```
driver.get("https://cmritautonomous.org/beeserp/Login.aspx");
```

- Navigates to the CMRIT BEES ERP login page.

Step 5: Entering Username

```
WebElement userName = driver.findElement(By.name("txtUserName"));
userName.sendKeys("20R01A05K6P");
```

- Finds the username field using the name attribute.
- Enters the username "20R01A05K6P".

Step 6: Clicking Next Button

```
Thread.sleep(2000);
WebElement nxtBtn = driver.findElement(By.name("btnNext"));
nxtBtn.click();
```

- Waits for 2 seconds.
- Finds the next button using the name attribute.
- Clicks the next button.

Step 7: Entering Password

```
WebElement password = driver.findElement(By.name("txtPassword"));
password.sendKeys("20R01A05K6P");
```

- Finds the password field using the name attribute.
- Enters the password "20R01A05K6P".

Step 8: Clicking Submit Button

```
Thread.sleep(2000);
WebElement submit = driver.findElement(By.name("btnSubmit"));
submit.click();
```

- Waits for 2 seconds.
- Finds the submit button using the name attribute.
- Clicks the submit button.

This code automates the login process for the CMRIT BEES ERP system.

WEEK_12

Week 12(Pdf To Word Convertor)

```
import java.awt.AWTException;

import java.awt.Robot;

import java.awt.Toolkit;

import java.awt.datatransfer.Clipboard;

import java.awt.datatransfer.StringSelection;

import java.awt.event.KeyEvent;

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;

public class PdftoWord {

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

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-
win64\\chromedriver.exe");

WebDriver driver= new ChromeDriver();

driver.get("https://www.google.com/");

Thread.sleep(2000);

WebElement searchBar = driver.findElement(By.name("q"));

searchBar.sendKeys("Convert pdf from word online");

searchBar.sendKeys(Keys.ENTER);
```

```
WebElement pdfFromWord = driver.findElement(By.xpath("(//h3[@class='LC20lb MBeuO DKV0Md'])[2]"));

pdfToWord.click();

Thread.sleep(500);

WebElement chooseFileBtn = driver.findElement(By.xpath("(//span[normalize-space()='Choose Files'])[1]"));

chooseFileBtn.click();

Thread.sleep(500);

Clipboard clipboard = Toolkit.getDefaultToolkit().getSystemClipboard();

StringSelection str = new StringSelection("Downloads\\01.docx");

clipboard.setContents(str,null);

Thread.sleep(500);

Robot robot = new Robot();

robot.keyPress(KeyEvent.VK_CONTROL);

robot.keyPress(KeyEvent.VK_V);

robot.keyPress(KeyEvent.VK_ENTER);

Thread.sleep(500);

WebElement convertToWord = driver.findElement(By.xpath("(//div[@class='sc-6ytb27-2 guQZea'])[1]"));

convertToWord.click();

WebElement choosePlan =

driver.findElement(By.xpath("(//span[@class='r5zwp6-3 iiSRjo'])[3]"));

choosePlan.click();

Thread.sleep(10000);

WebElement download = driver.findElement(By.xpath("(//span[@class='r5zwp6-3 iiSRjo'])[4]"));

download.click();
```

}

}

EXPLANATION

Step 1: Launching Chrome Browser

- System.setProperty sets the path to the ChromeDriver executable.

- WebDriver driver = new ChromeDriver() launches a new Chrome browser instance.

Step 2: Navigating to Google

- driver.get("https://www.google.com/") navigates to Google's homepage.

- Thread.sleep(2000) waits for 2 seconds.

Step 3: Searching for PDF to Word Converter

- searchBar.sendKeys("Convert pdf from word online") enters the search query.

- searchBar.sendKeys(Keys.ENTER) submits the search query.

Step 4: Selecting Converter Tool

- WebElement pdfFromWord = driver.findElement(By.xpath("(//h3[@class='LC20lb MBeuO DKV0Md'])[2]")) finds the converter tool link.

- However, there's an issue: pdfToWord.click() should be pdfFromWord.click().

Step 5: Choosing File

- chooseFileBtn.click() clicks the "Choose Files" button.

Step 6: Uploading File

- Clipboard clipboard = Toolkit.getDefaultToolkit().getSystemClipboard() gets the system clipboard.

- StringSelection str = new StringSelection("Downloads\\01.docx") sets the file path.

- clipboard.setContents(str, null) copies the file path to the clipboard.

- Robot robot = new Robot() simulates keyboard actions to paste and enter the file path.

Step 7: Converting to Word

- convertToWord.click() clicks the convert button.

Step 8: Choosing Plan

- choosePlan.click() selects a plan.

Step 9: Downloading Converted File

- Thread.sleep(10000) waits for 10 seconds.

- download.click() clicks the download button.

This code automates the process of converting a PDF file to Word format using an online converter tool.

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