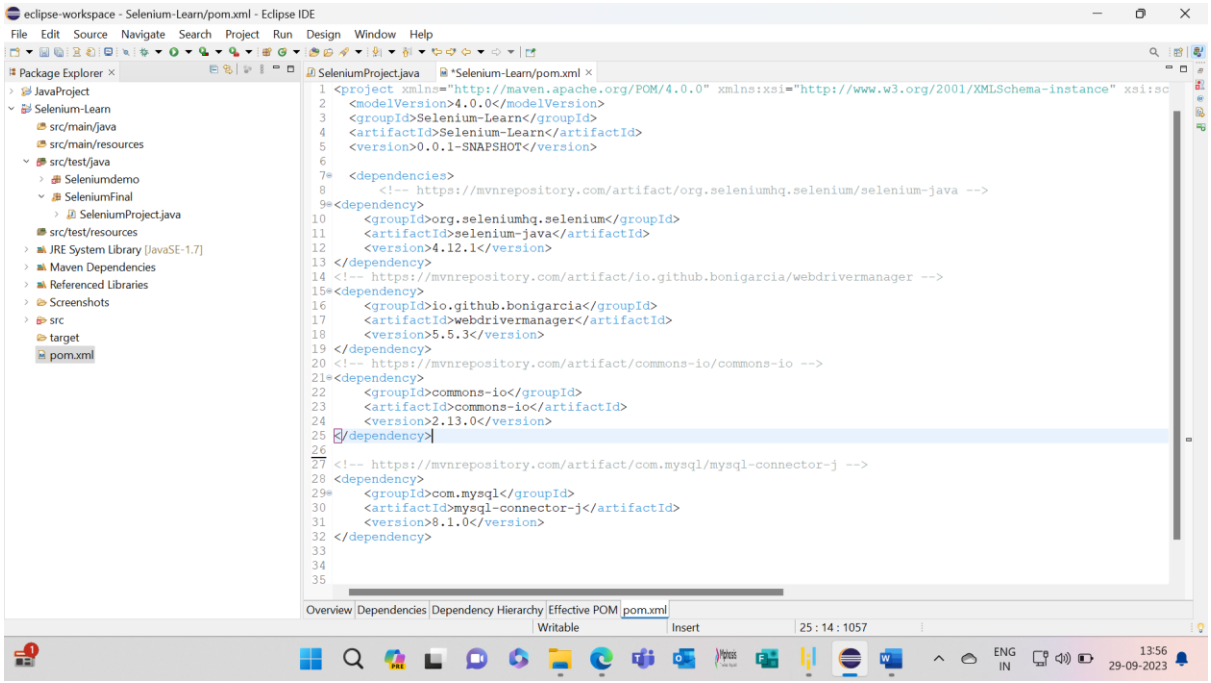
Upload Files and Handle Various Web Elements

1. Create a Maven Project.
2. Add the Maven Dependences
3. Open the browser and locate the web elements using Locators.
4. Create a page object design pattern class to store the web elements of a webpage.
5. Install and configure AutoIT.
6. Open the SciTE editor and write the script to select the file from the desktop.
7. Save the AutoIT script as .au3 format and compile it.
8. Create a class to upload the file by calling .au3 script.
9. Create a class to handle web elements.
10. Create a class to handle external elements.
11. Create a table in SQL – for product data.
12. Create a DB connection class to initiate a JDBC connection.
13. Create a class for Screenshot.
14. Run the project.



```
package SeleniumFinal;
import java.io.*;
import java.time.Duration;
import java.util.ArrayList;

import org.apache.commons.io.FileUtils;
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import java.sql.*;

public class SeleniumProject {

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


	//10.Create a class to handle external elements.
				ChromeOptions options = new ChromeOptions();
				options.addArguments("--disable-notifications");


			WebDriver driver = new ChromeDriver();
				driver.manage().window().maximize();
				driver.manage().deleteAllCookies();
				driver.get("https://www.redbus.com/");

				//3.Open the browser and locate the web elements using Locators
				//4.Create a page object design pattern class to store the web elements of a
webpage.
```

```
driver.findElement(By.xpath("//div[@class='main-wrapper search-box-wrapper']/descendant::input[1]")).sendKeys("Paris");

driver.findElement(By.xpath("//div[@class='main-wrapper search-box-wrapper']/descendant::input[2]")).sendKeys("London, United Kingdom");


JavascriptExecutor js = ((JavascriptExecutor)driver);

js.executeScript("document.getElementById('onward_cal').value='30-Sep-2023'");

driver.findElement(By.xpath("//*[@class='main-wrapper search-box-wrapper']/descendant::div[16]")).click();



//5.Install and configure AutoIT.

//6.Open the SciTE editor and write the script to select the file from the desktop.

//7.Save the AutoIT script as .au3 format and compile it.

//8.Create a class to upload the file by calling .au3 script.


driver.get("https://www.remove.bg/");

Thread.sleep(3000);

WebElement e1 = driver.findElement(By.xpath("//div[@class='mx-auto w-full px-8 max-w-5xl relative']/descendant::button[1]"));

WebDriverWait wait = new WebDriverWait(driver,Duration.ofSeconds(10));

wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//div[@class='mx-auto w-full px-8 max-w-5xl relative']/descendant::button[1]")));

e1.click();

Runtime.getRuntime().exec("A://autoitdemo.exe");



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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));

WebElement e2 = driver.findElement(By.xpath("//*[@class='nav-line-2 ']"));

Actions a = new Actions(driver);

a.moveToElement(e2).perform();

Thread.sleep(5000);
```

```
                driver.findElement(By.xpath("(//span[@class='nav-text'])[7]")).click();

                //9.Create a class to handle web elements.
                 driver.navigate().to("https://the-internet.herokuapp.com/nested_frames");
            driver.switchTo().frame("frame-top");
            driver.findElement(By.cssSelector("body")).sendKeys(Keys.CONTROL + "t");
            ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());
            driver.switchTo().window(tabs.get(1));

                //11.Create a table in SQL – for product data
                //12.Create a DB connection class to initiate a JDBC connection.

                Class.forName("com.mysql.cj.jdbc.Driver");
                Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/Learn","Karthick","611718104023"
);
                Statement stmt =con.createStatement();
                ResultSet rs=stmt.executeQuery("SELECT * FROM Products");
            while (rs.next()) {
              int productId = rs.getInt(1);
              String productName = rs.getString(2);
              Thread.sleep(1000);

                Thread.sleep(1000);
              driver.get("https://the-internet.herokuapp.com/inputs");
              Thread.sleep(1000);
              WebElement usernameInput =
driver.findElement(By.xpath("//input[@type='number']"));
              usernameInput.sendKeys(productName);
              break;

            }
```

//13.Create a class for Screenshot

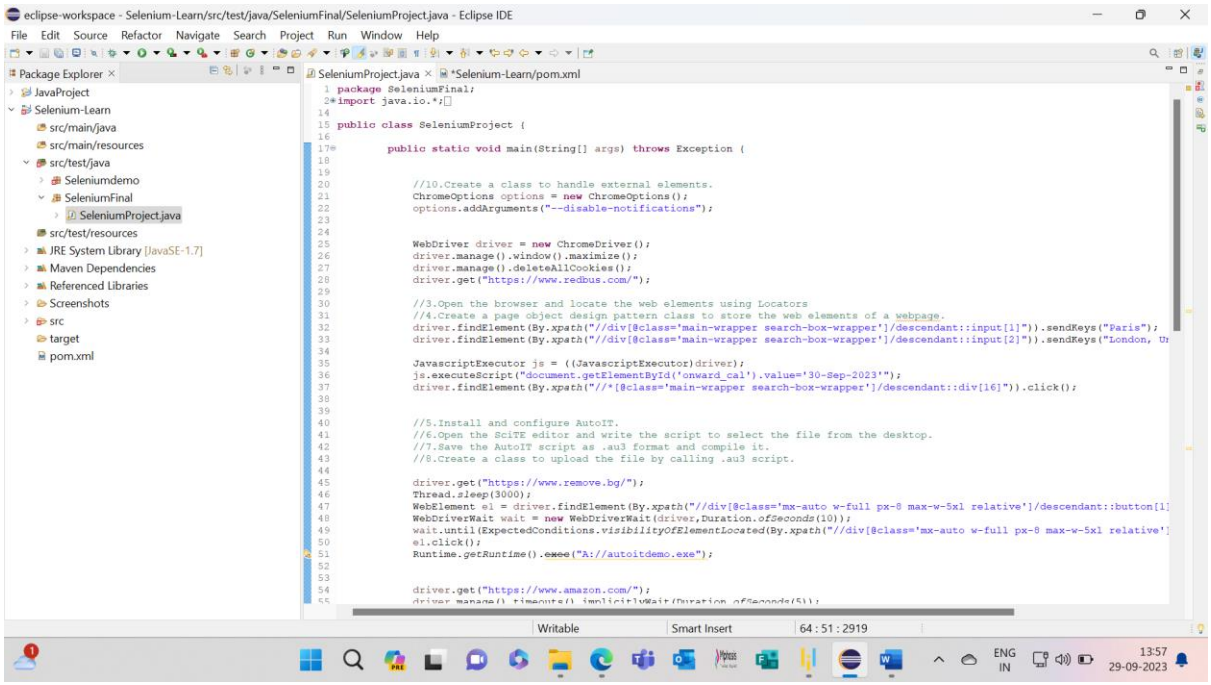
File srcFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

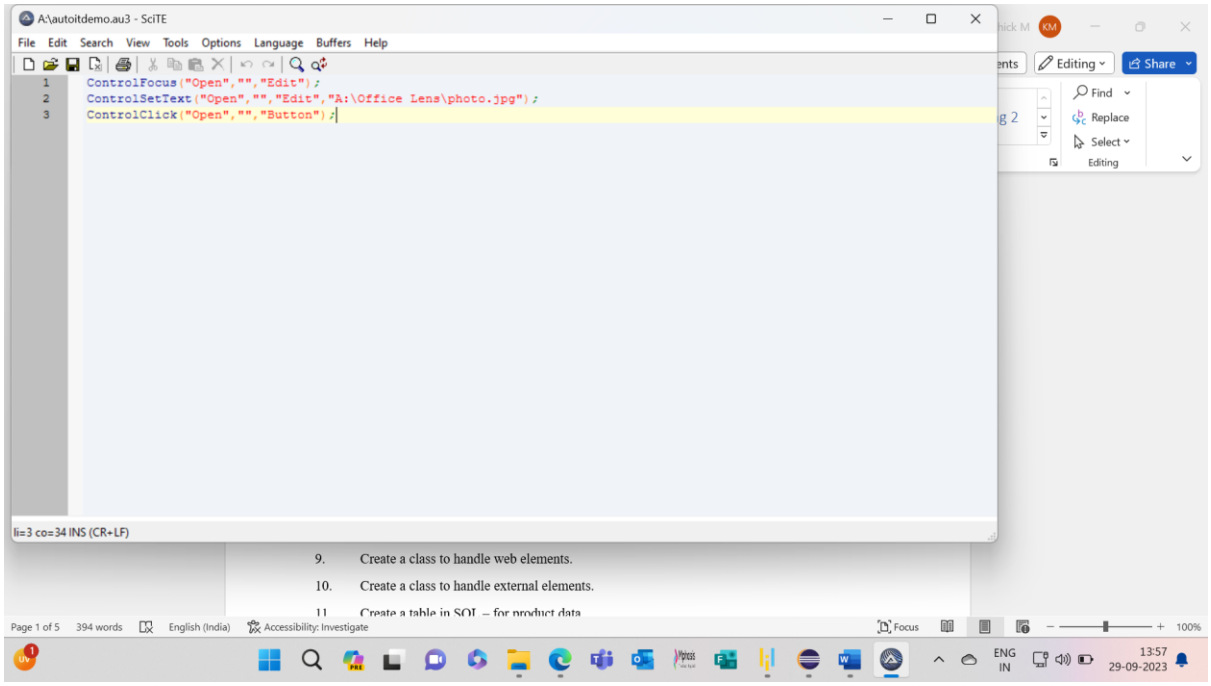
File destFile = new File("./Screenshots/project.png");

FileUtils.copyFile(srcFile, destFile);

}

}




A:\autoitdemo.au3 - SciTE
File Edit Search View Tools Options Language Buffers Help
1 ControlFocus("Open","","Edit");
2 ControlSetText("Open","","Edit","A:\Office Lens\photo.jpg");
3 ControlClick("Open","","Button");
li=3 co=34 INS (CR+LF)
Editing
Share
Find
Replace
Select
Editing
9. Create a class to handle web elements.
10. Create a class to handle external elements.
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394 words
English (India)
Accessibility: Investigate
Focus
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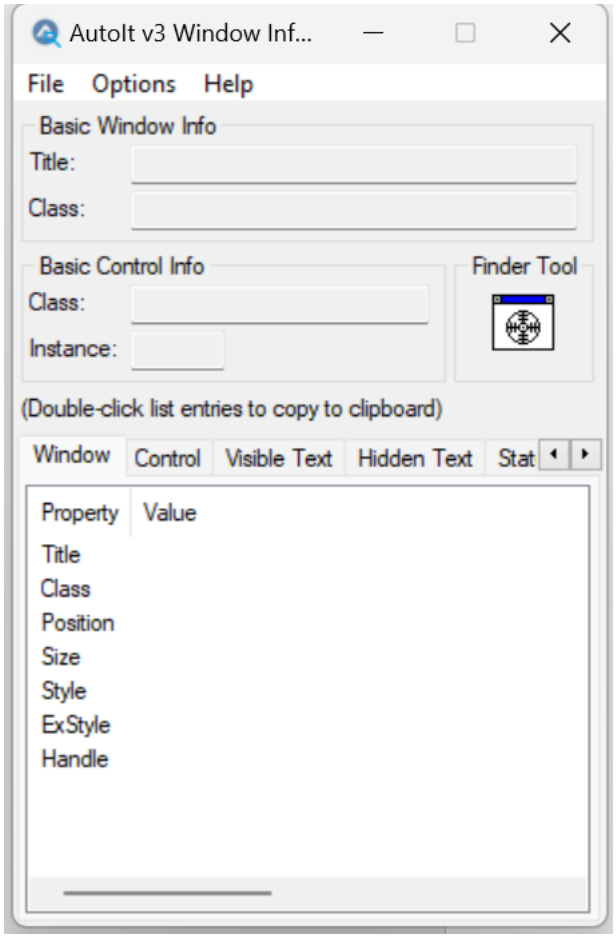
29-09-2023


AutoIt v3 Window Inf...
File Options Help
Basic Window Info
Title:
Class:
Basic Control Info
Class:
Instance:
Finder Tool
(Double-click list entries to copy to clipboard)
Window
Control
Visible Text
Hidden Text
Stat
Property
Value
Title
Class
Position
Size
Style
ExStyle
Handle