Handling File Uploads

This section will guide you to:

- Upload the Desktop file in Selenium WeDriver

Development Environment

- Eclipse IDE for Enterprise Java Developers Version Oxygen.3a Release (4.7.3a)
- Java Development Kit Version 8
- Selenium standalone server
- Autoit

This guide has mainly two subsections, namely:

4.9.1 Handing file upload by **SendKeys**

4.9.2 Handling file upload by **AutoIT script**

4.9.3 Pushing the code to the GitHub repositories

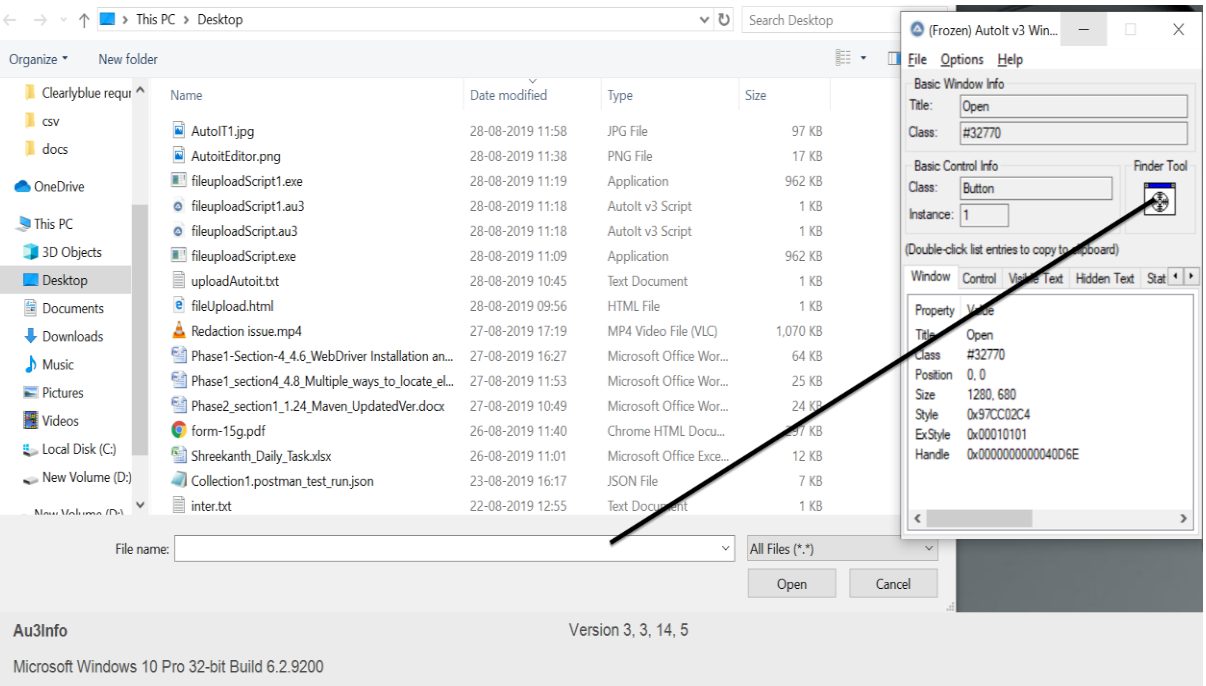
Step 4.9.1: Handling file upload by SendKeys

- Launch Eclipse and create a Java project.
- Create project: Click on file->New->Java project.
- Enter the project name as **UploadFile** and click on Finish.
- In the project explorer, expand **UploadFile.**
- Right-click on **src** and choose **New->Class.**
- In Package Name, enter **com.ecommerce** and in **Name** enter **Upload** and click on **Finish.**
- Locate the browse button using chropath/firebug.
- Set the path using SendKeys. And the code looks like below:

```
//Locating 'browse' button
 WebElement browse =driver.findElement(By.id("uploadfile"));
 //pass the path of the file to be uploaded using Sendkeys method
 browse.sendKeys("D:\\SoftwareTestingMaterial\\UploadFile.txt");
```

Step 4.9.2: Handling file upload by AutoIT script

- Go to **Start->Autoit v3->Autoit window info.**
- Now drag the Finder toolbox to the object in which you are interested.



Name	Date modified	Type	Size
AutoIT1.jpg	28-08-2019 11:58	JPG File	97 KB
AutoitEditor.png	28-08-2019 11:38	PNG File	17 KB
fileuploadScript1.exe	28-08-2019 11:19	Application	962 KB
fileuploadScript1.au3	28-08-2019 11:18	AutoIt v3 Script	1 KB
fileuploadScript.au3	28-08-2019 11:18	AutoIt v3 Script	1 KB
fileuploadScript.exe	28-08-2019 11:09	Application	962 KB
uploadAutoit.txt	28-08-2019 10:45	Text Document	1 KB
fileUpload.html	28-08-2019 09:56	HTML File	1 KB
Redaction issue.mp4	27-08-2019 17:19	MP4 Video File (VLC)	1,070 KB
Phase1-Section-4_4.6_WebDriver Installation an...	27-08-2019 16:27	Microsoft Office Wor...	64 KB
Phase1_section4_4.8_Multiple_ways_to_locate_el...	27-08-2019 11:53	Microsoft Office Wor...	25 KB
Phase2_section1_1.24_Maven_UpdatedVer.docx	27-08-2019 10:49	Microsoft Office Wor...	24 KB
form-15g.pdf	26-08-2019 11:40	Chrome HTML Docu...	97 KB
Shreekanth_Daily_Task.xlsx	26-08-2019 11:01	Microsoft Office Exce...	12 KB
Collection1.postman_test_run.json	23-08-2019 16:17	JSON File	7 KB
inter.txt	22-08-2019 12:55	Text Document	1 KB

(Frozen) AutoIt v3 Win...
File Options Help
Finder Tool
Window Control Visible Text Hidden Text Stat

Basic Window Info
Title: Open
Class: #32770

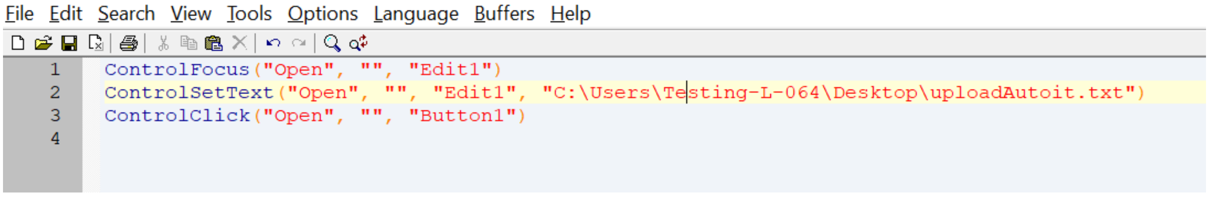
Basic Control Info
Class: Button
Instance: 1

(Double-click list entries to copy to clipboard)

Property	Value
Title	Open
Class	#32770
Position	0, 0
Size	1280, 680
Style	0x97CC02C4
ExStyle	0x00010101
Handle	0x000000000040D6E

Au3Info
Version 3, 3, 14, 5
Microsoft Windows 10 Pro 32-bit Build 6.2.9200

- Build an AutoIT script using **SciTE editor** and write the script using **ControlFocus, ControlsetText, and ControlClick** commands.
- And the script looks like below:



```
ControlFocus("Open", "", "Edit1")
ControlSetText("Open", "", "Edit1", "C:\Users\Testing-L-064\Desktop\uploadAutoit.txt")
ControlClick("Open", "", "Button1")
```

- Save the Script with **.au3** extension.
- Compile the **.au3** script which converts into **.exe** file.
- Pass the **.exe** path into selenium test script using method

Runtime.getRuntime().exec(“C:\AutoIt\Autoitscript.exe”)

- The complete script looks like this:

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

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class AutoIt {

 private static WebDriver driver = null;

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

    driver = new FirefoxDriver();

    driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

    driver.get("http://toolsqa.com/automation-practice-form");

    driver.findElement(By.id("photo")).click();

    Runtime.getRuntime().exec("D:\AutoIt\AutoItTest.exe");

    Thread.sleep(5000);

    driver.close();
```

Step 4.9.3: Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files

c

Initialize your repository using the following command:

g

Add all the files to your git repository using the following command:

gi

Commit the changes using the following command:

gi

Push the files to the folder you initially created using the following command:

gi