
Window POP UP

What is file window pop up?

- A window pop up is a pop-up which not belongs to any of the above pop up categories.
- If the popup displayed in application is not Hidden Division, Alert and confirmation, File upload, File Download and child Browser popup. Then it is called as Window Popup.

Characteristics of file download pop up

- We cannot inspect.
- We can move the pop up.

How to handle,

- Since, we can't able to inspect the window popup.
- Webdriver cannot identify the elements to perform the actions on the window pop up.

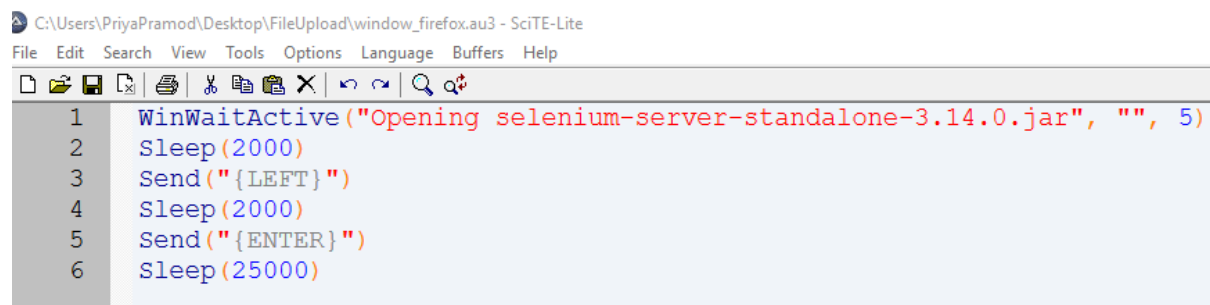
So, in order to handle window pop up, we can use the following ways,

1. Using AutoIT
2. Using Robot class
3. Using Options class

Handling window pop up in Firefox browser:

Using AutoIT:

AutoIT Script:



```
C:\Users\PriyaPramod\Desktop\FileUpload>window_firefox.au3 - SciTE-Lite
File Edit Search View Tools Options Language Buffers Help
1 WinWaitActive("Opening selenium-server-standalone-3.14.0.jar", "", 5)
2 Sleep(2000)
3 Send("{LEFT}")
4 Sleep(2000)
5 Send("{ENTER}")
6 Sleep(25000)
```

Save the file with .au3 extension, compile the script and execute the script from selenium script.

Below is the selenium script

```
1 package popup_window;
2
3 import java.awt.AWTException;
4 import java.io.File;
5 import java.io.IOException;
6 import org.openqa.selenium.By;
7 import org.openqa.selenium.WebDriver;
8 import org.openqa.selenium.firefox.FirefoxDriver;
9
10 public class Firefox_using_autoIT {
11     public static void main(String[] args) throws IOException, AWTException {
12         String FileName = "D:/selenium-server-standalone-3.11.0.jar";
13         System.setProperty("webdriver.gecko.driver", "D:/Softwares/Drivers/geckodriver.exe");
14         WebDriver driver = new FirefoxDriver();
15         driver.manage().window().maximize();
16         driver.get("http://docs.seleniumhq.org/");
17         driver.findElement(By.xpath("//a[text()='Download']")).click();
18         driver.findElement(By.xpath("//a[contains(text(),'3.14.0')]")).click();
19
20         String command = "C:\\Users\\PriyaPrasad\\Desktop\\FileUpload\\window_firefox.exe";
21         Runtime.getRuntime().exec(command);
22
23         File file = new File(FileName);
24         if (file.isFile()) {
25             System.out.println("File is downloaded");
26         } else {
27             System.out.println("File is not downloaded");
28         }
29         driver.close();
30     }
31 }
32 }
```

Using Robot class:

- Same operations can be done using the robot class.

```
package popup_window;

import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import java.io.File;
import java.io.IOException;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class Firefox_using_robot_class {
    public static void main(String[] args) throws IOException, AWTException {
        String FileName = "C:\\Users\\PriyaPrasad\\Downloads\\selenium-server-standalone-3.14.0.jar";
        System.setProperty("webdriver.gecko.driver", "D:/Softwares/Drivers/geckodriver.exe");
        WebDriver driver = new FirefoxDriver();
        driver.manage().window().maximize();
        driver.get("http://docs.seleniumhq.org/");
        driver.findElement(By.xpath("//a[text()='Download']")).click();
        driver.findElement(By.xpath("//a[contains(text(),'3.14.0')]")).click();

        Robot robot = new Robot();
        robot.delay(5000);
        robot.keyPress(KeyEvent.VK_LEFT);
        robot.keyPress(KeyEvent.VK_ENTER);
        robot.delay(25000);

        File file = new File(FileName);
        if (file.isFile()) {
            System.out.println("File is downloaded");
        } else {
            System.out.println("File is not downloaded");
        }
        driver.close();
    }
}
```

Using Firefox Options class:

- Here, we change the preference of the Firefox browser using the Firefox options class.
- Since, this window pop up is downloading the jar file. We need to mention the below key and value to the addPreference method of Firefox options class.

```
browser.helperApps.neverAsk.saveToDisk", "application/java-archive"
```

- The above preference change the browser setting to handle the window pop up.

Below is the script to handle the window pop up using the Firefox options class

```
package popup_window;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.firefox.FirefoxOptions;

public class Firefox_using_options {
    public static void main(String[] args) {

        System.setProperty("webdriver.gecko.driver", "D:/Softwares/Drivers/geckodriver.exe");
        FirefoxOptions options = new FirefoxOptions();
        options.addPreference("browser.helperApps.neverAsk.saveToDisk", "application/java-archive");
        options.addPreference("browser.download.folderList", 2);
        options.addPreference("browser.download.dir", "D:\\");
        WebDriver driver = new FirefoxDriver(options);

        driver.manage().window().maximize();
        driver.get("http://docs.seleniumhq.org/");
        driver.findElement(By.xpath("//a[text()='Download']")).click();
        driver.findElement(By.xpath("//a[text()='3.14.0']")).click();

        driver.close();
    }
}
```