How to Identify and Handle Different Pop-ups in Selenium

Hello Friends ,
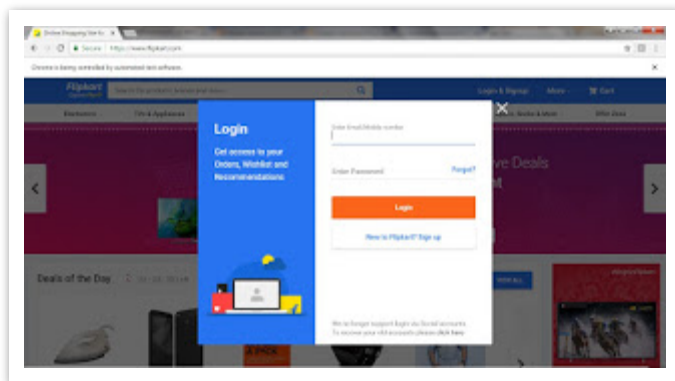
In this Post , I am going to show how to identify different kind of Popups and how to handle them in Selenium.

1- Hidden division Popup

Tips to Identify:

- We can inspect this Popup with right click-Inspect
- This Popup we cannot move
- Also this Popup will be colorfull.

By using the above tips you can easily identify Hidden Division Pop-Up

Handling Technique:

Since We can inspect these kind of Popup , so we can easily find elements in this Pop-up using

driver.findElement(By.xpath("xpath of element"));

2- JavaScript Popup :

Tips to Identify:

- Javascript Popup appears just below (for chrome browser) the address bar at center place
- For Browsers other than chrome , it appears in middle of the page
- Javascript Popup have just OK button for Alert Popup
- For Confirmation Alert it has OK and Cancel button
- We cannot inspect Element in this Popup

Handling Technique:

We can handle this alert Popup using switchTo().alert() method

a- Get the Text of alert Popup -

driver.switchTo().alert().getText();
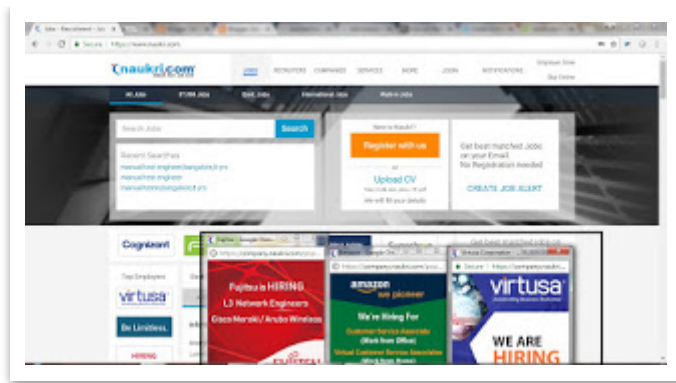
b-Click OK-

driver.switchTo().alert().accept();

c-Click Cancel in Confirmation Popup -

driver.switchTo().alert().dismiss();

3- Child Browser Popup :

Tips to Identify:

- We can inspect this Popup with right click-Inspect
- We can move this Popup
- Popup will be colourfull
- Will have minimize and maximize button

Handling Technique:

Whenever we open any browser , one window handle id is allocated to that browser.

So All opened browser (parent and child) are having their respective window handle ids

To get the window handle id of current browser we use method

driver.switchTo().window(window handle);

Example- Switching to each child browsers

    //Enter URL in browser

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

//get parent window handle

```
String parentwindow = driver.getWindowHandle();
```

//get all opened browsers window handle ids and store in a list

```
Set<String> allWindows = driver.getWindowHandles();
```

//Print the count of all opened windows

```
System.out.println(allWindows.size());
```

//remove parent window id from All windows handle ids

```
allWindows.remove(parentwindow);
```

//using for each loop, iterating to each window

```
for (String s : allWindows) {
```

System.out.println(s);

        //switching to child windows and perform action

driver.switchTo().window(s);

System.out.println(driver.getTitle());
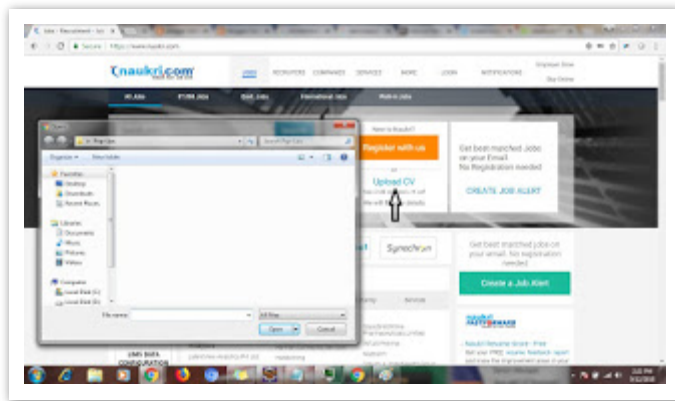}
        //switch back to parent window

driver.switchTo().window(parentwindow);

4- File Upload Popup :

Tips to Identify:

- When we click on Browse,Upload, Attach icon , this Popup appears
- We can move this Popup but we cannot inspect it
- This Popup is used to Select the document/file from Local machine.

Handling Technique:

In this technique , we do not click on upload button,
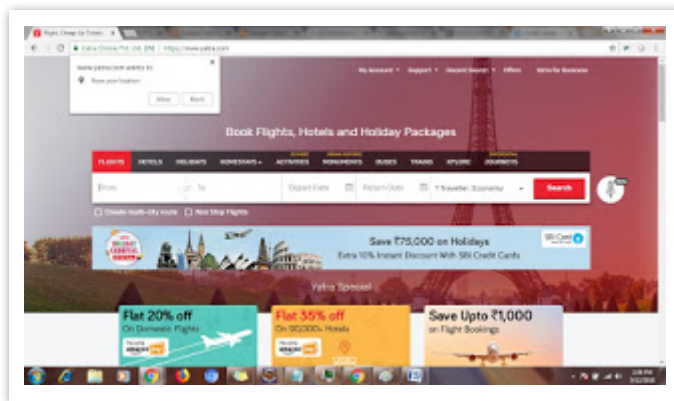
To Handle this Popup   below are the steps followed:

1-Inspect and find Upload button
2-Use sendKeys() method and give absolute path of the file stored in local PC as and
argument to sendKeys() method.

driver.findElement(By.xpath("//input[@value='Upload CV']")).sendKeys("D://sample resume.doc");

5- Notification Popup :

Tips to Identify:

- This Popup appears just below the address bar but at the left side of the page.
- We cannot move this Popup
- This Popup having Allow and Block button

Handling Techniques (for chrome browser):

We need to change settings of chrome browser, this can be done using ChromeOptions class.
for other browser need to use repective browser Options class to change the settings

```
        ChromeOptions options = new ChromeOptions();
 options.addArguments("--disable-notification");
 WebDriver driver = new ChromeDriver(options);
```