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## File upload POP Up

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### What is file upload pop up?

- The pop up which is used to browser and select the required file which is to be uploaded is called as file upload pop up.

### Characteristics of file upload pop up

- File upload pop up is created by the below HTML code.

```
<input type="file" name="datafile">
```

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

### How to handle the file upload pop up

- There are different ways to handle the file upload pop ups.
  1. Using send\_keys method
  2. Using AutoIT

### Using send\_keys:

The First and the Easy way is simple case of just finding the element and typing the absolute path of the document into it.

### Sample HTML code for file upload pop up:

```
<html lang="en">
  <head>
    <Title>File Upload</Title>
  </head>
  <body>
    <center>
      <!--Content will go inside here.-->
      <form target="uploadfiles.php" method="post" enctype="multipart/form-data">
        <!--Content will go inside here.-->
        <input name="file1" type="file">
        <input type="submit" value="Upload Now">
      </form>
    </center>
  </body>
</html>
```

## Handling the file upload pop up using send\_keys?

```
from selenium import webdriver

driver = webdriver.Chrome()
driver.implicitly_wait(30)
driver.maximize_window()
driver.get("file:///C:/Users/PriyaPramod/Desktop/HTML%20Pages/Practice/file_upload_widget/File_upload_ex.html")

element = driver.find_element_by_name("file1")
element.send_keys("C:\\Users\\PriyaPramod\\Desktop\\Sample.txt")

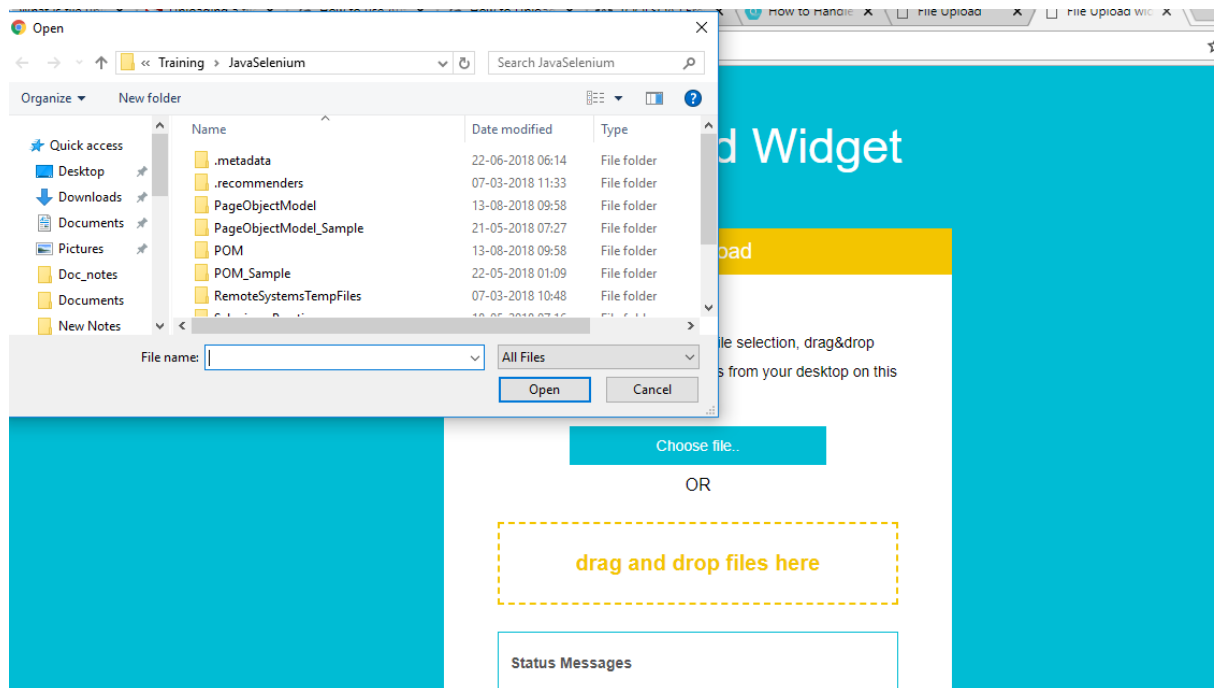
driver.close()
```

**NOTE:** If the <file> tag contains the property called 'Multiple' than we can upload more than one file to that element.

### Using AutoIT.

What If we are not able to upload the file using SendKeys method????

- If we click on the choose file button, it will through the file upload pop up.



- We go for using the third party tool called as AUTOIT for handling the file upload pop up.

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## AUTOIT

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- Selenium is an open source tool that is designed to automate web-based applications on different browsers but to handle window GUI and non HTML popups in application. AutoIT is required as these window based activity are not handled by Selenium.
- **AUTOIT** is also freeware. It uses a combination of mouse movement, keystrokes and window control manipulation to automate a task which is not possible by selenium webdriver.

Moving ahead we will learn how to upload a file in selenium web driver using **AUTOIT**. Here we need following tools in order to this.

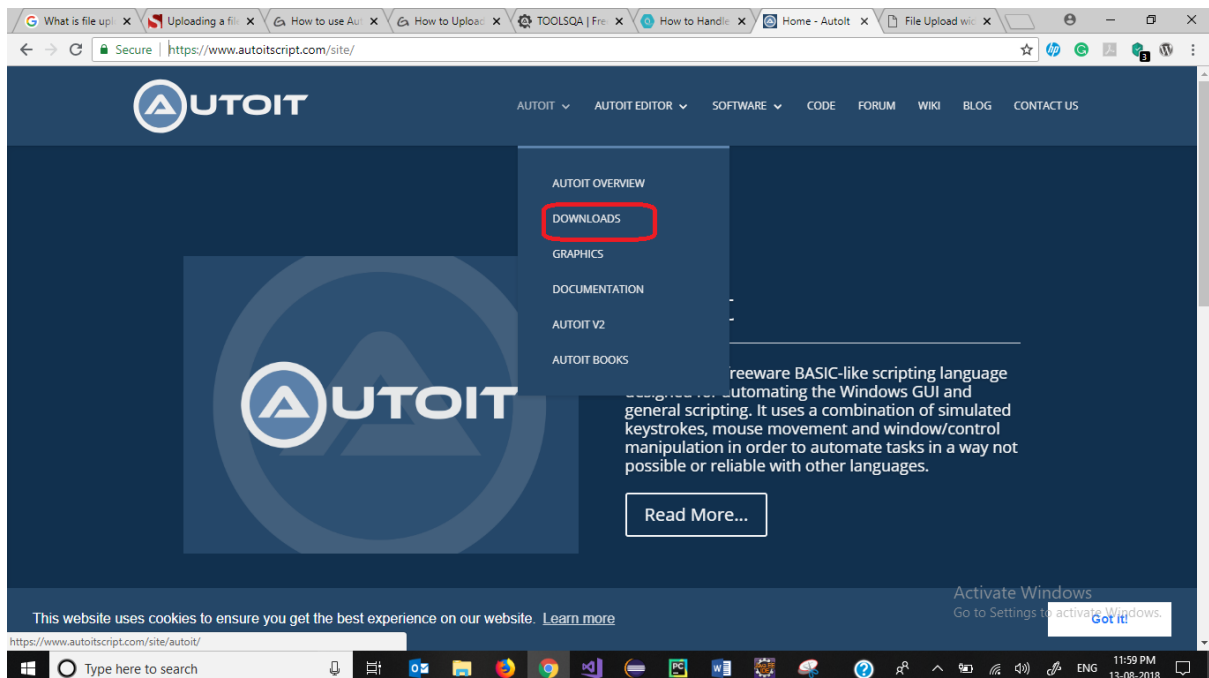
- AutoIT window info tool.
- PyAutoIT.

Below are the steps to install the AUTOIT.

Step 1: Navigate to the below website.

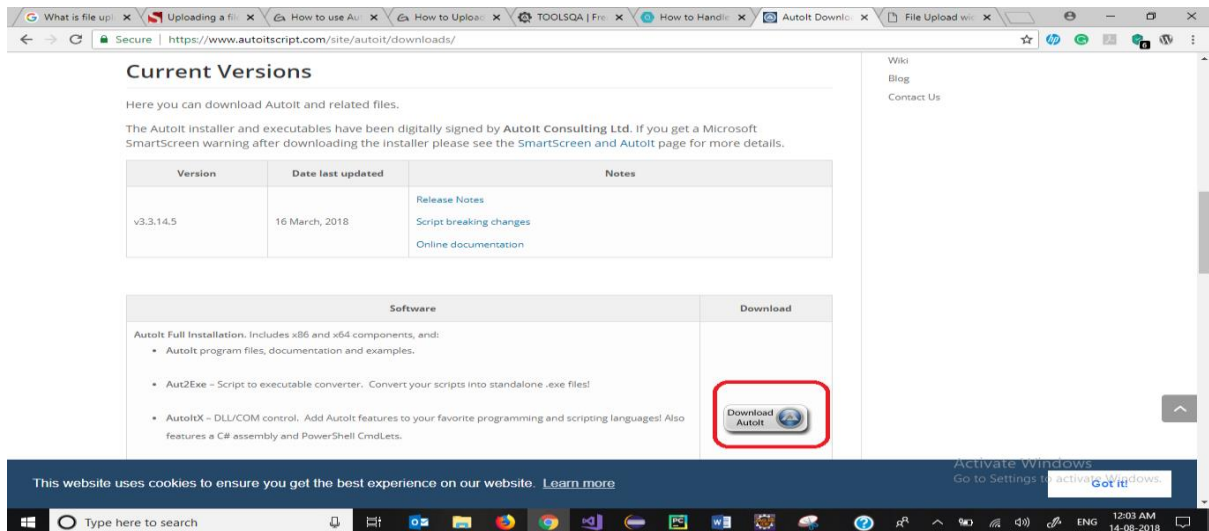
<https://www.autoitscript.com/>

Step 2: Mouse over on AUTOIT and click on the Downloads from the drop down.



Step 3: It navigates to the download page. Scroll down in the download page till the current versions sections.

Below the current version section, click on "Download AutoIT"



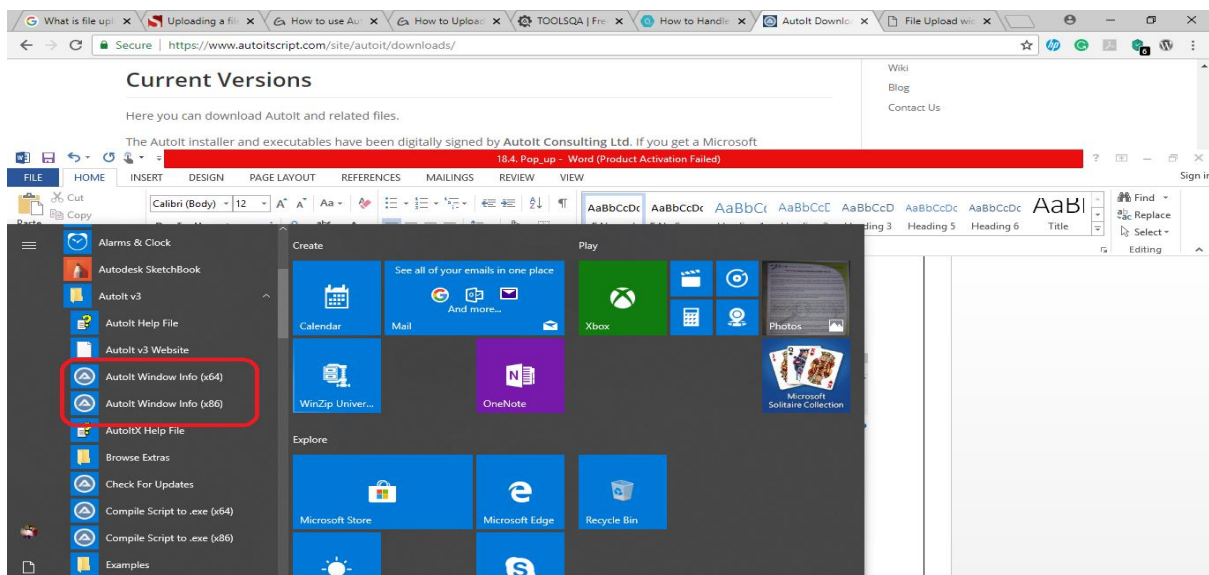
Step 4: autoit-v3-setup.exe file will download.

Step 5: double click on the exe file and follow the instruction by clicking on next buttons.  
(Don't change any settings while installing)

Step 6: After the installation, make sure auto it window info tool is available.

To check auto it info tool is available.

Go to window start to check the element identifier (We use window info tool to identify the element on the window GUI or non HTML pop ups).



**Step 1:** Install the “pyautoit” using the pip.

**Step 2:** Launch the command prompt and write the below command and hit the enter button.

```
C:\>pip install pyautoit
```

**Following are the functions of AUTOIT which we use to handle file upload pop up.**

- There are lots of method available which we can use in a script according to the requirement, but right now we will focus on the below methods as these methods are required for writing file upload script:

**Win\_active:**

- Sets the focus to a given control on a window.

**Syntax:**

**Win\_active (“title”)**

- This method takes one arguments: title of the window dialog.

**Win\_wait\_active:**

- This function pauses execution of the script until the specified window appears and is active.

**Syntax:**

**Win\_wait\_active (“Title”, time out)**

- This method takes 2 parameters, title of the window dialogue and the timeout in seconds. Default is 0.

**Control\_set\_text**

- This method is used to enter the text into the edit box.

**Syntax:**

**Control\_set\_text (“title”, Control ID, “text to enter”)**

- It takes 3 parameters

**Title:** title of the pop up.

**Control ID:** is a combination of combination of “class” and “instance”.

**Text to enter:** Value you want to enter into the edit box.

#### **Control\_click**

- This method is used to click on the element present on the window GUI.

**Syntax:**

**Control\_click (“Title”, Control ID)**

#### **Control\_send**

- Sends a string of characters to a control and sends the key strokes to the controls.

**Syntax:**

**Control\_Send (“Title”, Control ID, String/KeyStroke)**

#### **Send**

- Sends simulated keystrokes to the active window.

**Syntax:**

**Send (“{KeyStroke}”)**

**Note:** Key strokes is nothing but the keyboard button and key strokes has to be passed as a string, keys should be with in flower brackets and keys should be in upper case.

**Example: Send (“{ENTER}”)**

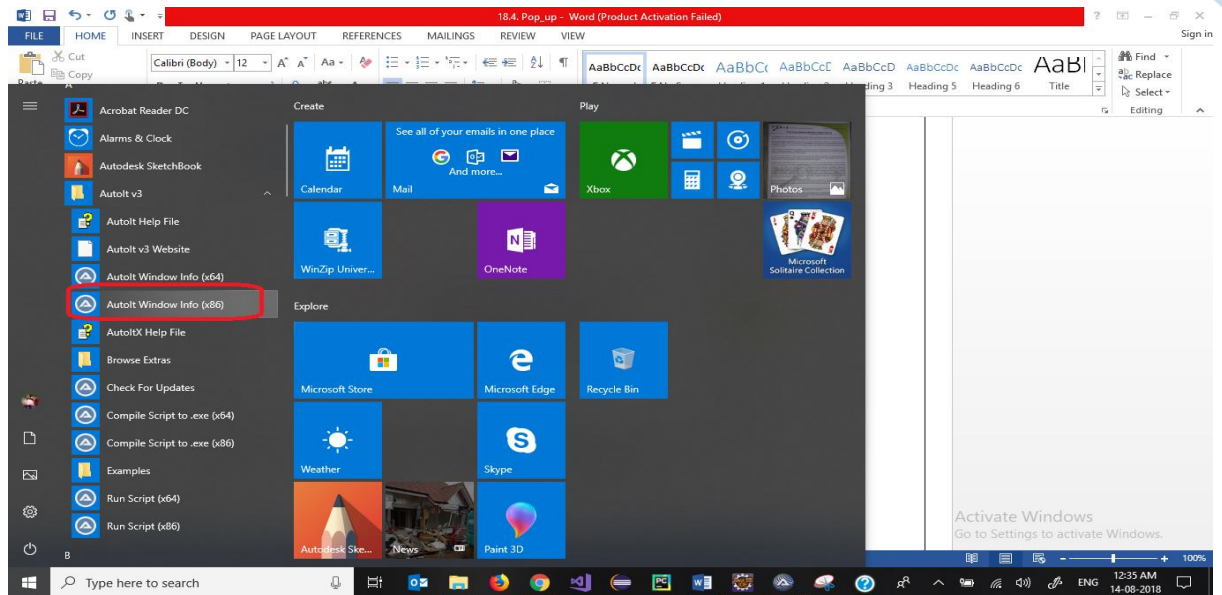
#### **Sleep**

- Pause script execution.

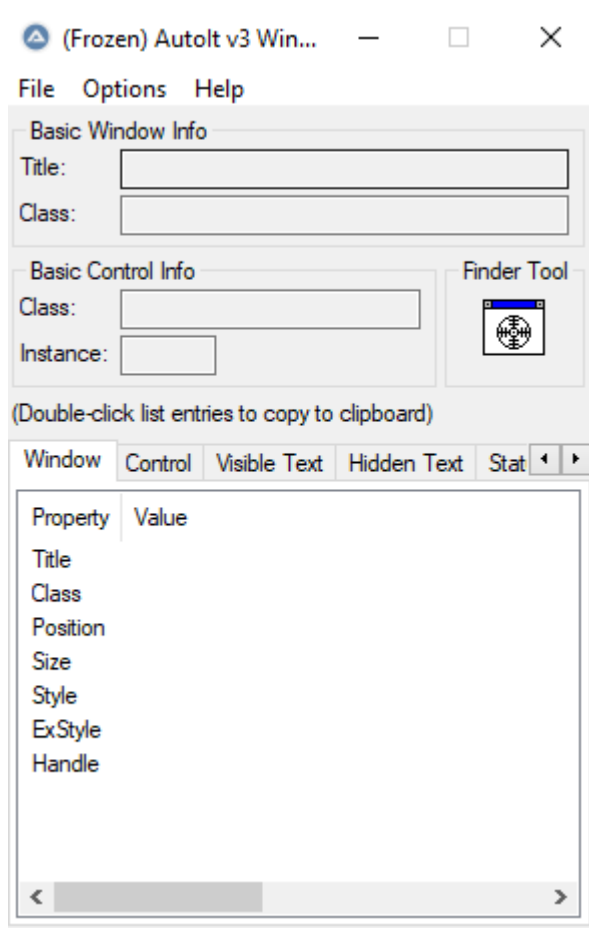
Syntax: Sleep (delay) -> delay should be in milli seconds

**Following are the steps to identify the elements on the non HTML pop up using AUTOIT.**

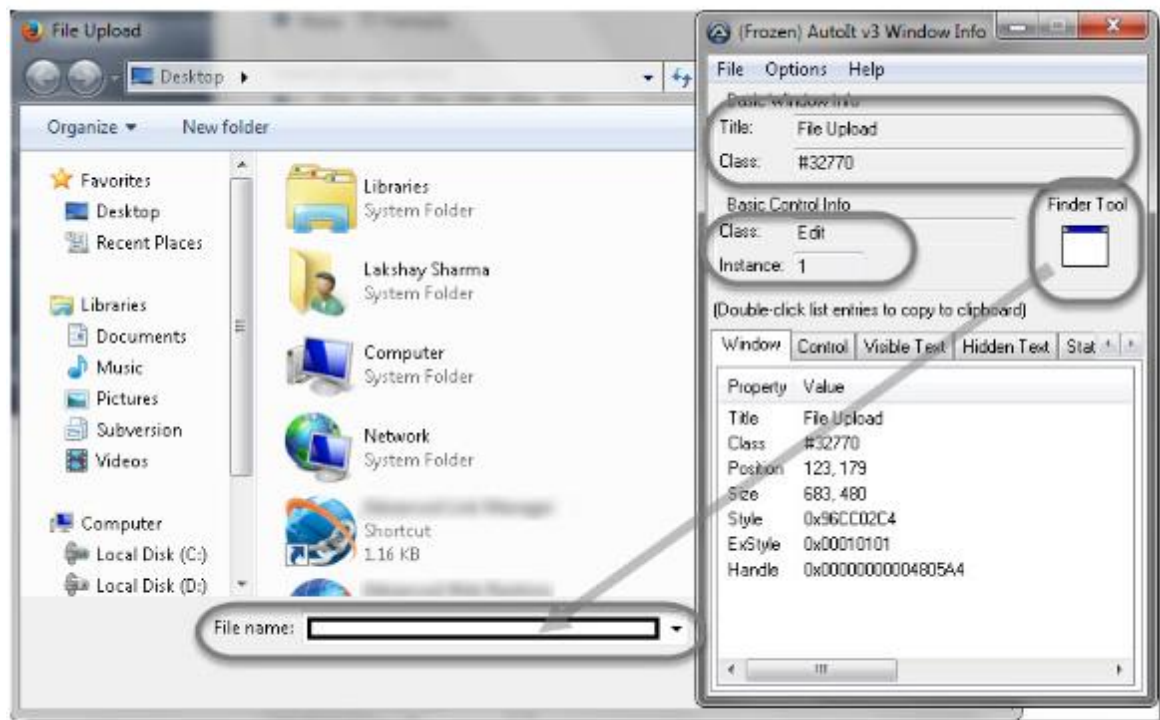
Step 1: Open the “autoit window info”



It opens the window info tool.



Now **drag** the 'Finder Toolbox' to the object in which you want to identify.



- This will give the title of the pop up, class and instance of the element. Using this we are going to identify the elements on the file download pop up and performs the operations.

```
from selenium import webdriver
from time import sleep
import autoit

driver = webdriver.Chrome()
driver.implicitly_wait(30)
driver.maximize_window()
driver.get("file:///D:/HTML%20Pages/Practice/file_upload_widget/web/index.html")

choose_file_button = driver.find_element_by_id("fileselect")
choose_file_button.click()

file_path = "C:/Users/PriyaPramod/Desktop/Sample.html"

autoit.win_wait_active("Open", 5)
sleep(2)
autoit.control_set_text("Open", "Edit1", file_path)
sleep(2)
autoit.control_click("Open", "Button1")
sleep(2)

driver.close()
```

**Note:** Navigate to <https://www.naukri.com/> website, and click on the upload CV. You will get the file upload pop up. Please do automate that.