ROBOT FRAMEWORK INSTALLATION AND TEST SETUP

TOPICS :

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- Manual Installation

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STEP 2: WebDriver

- Link to where to download Chrome Driver
- Path to save Chrome Driver to your local PC

STEP 3 : Environmental Path Configuration on Windows

STEP 4: Robot framework using pip install

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STEP 5 : EXAMPLE ON HOW TO GET INSPECT MANUALLY FROM THE BROWSER

- How to find from web browser
- Other way to find elements from web browser

STEP 6 : SELENIUM LIBRARIES FOR ROBOT FRAMEWORK

1. Standard Libraries for Robot Framework
   Link : https://robotframework.org/robotframework/

2. External Libraries for Robot Framework
   a. Selenium Library – web testing library for Robot framework. Click below

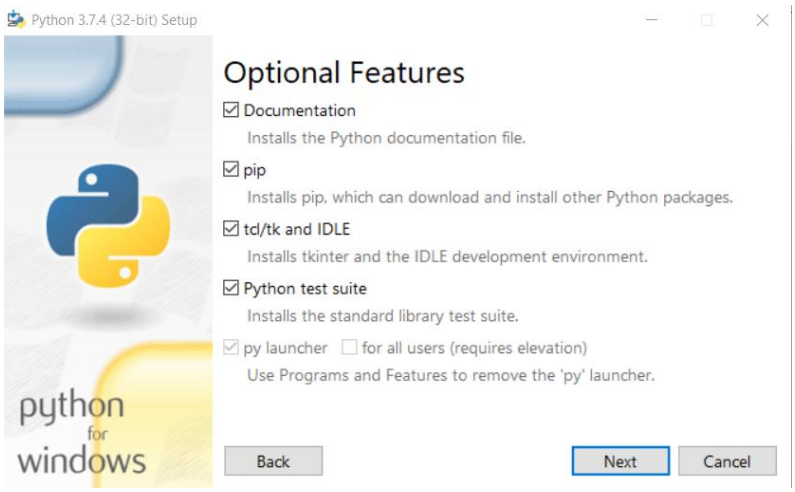
Link : https://robotframework.org/SeleniumLibrary/SeleniumLibrary.html#Alert%20Should%20Be%20Present

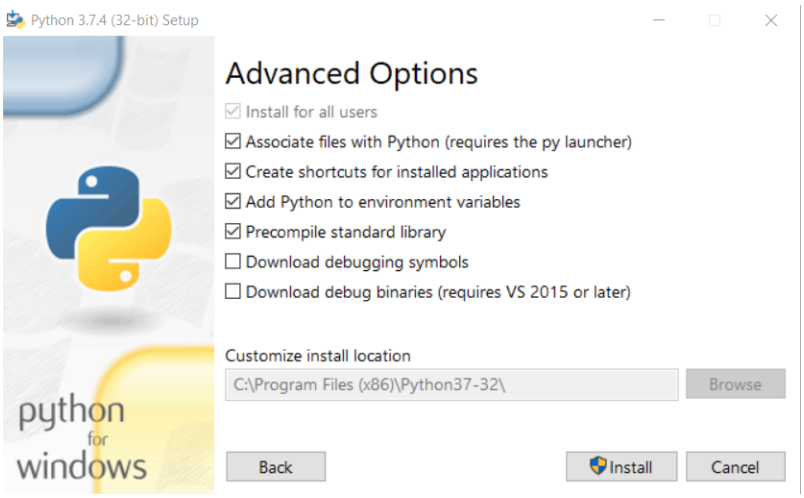
STEP 7 : Robot Framework Basic Test Script Example

Manual Installation:

STEP 1 : Python 3 Installation (recommended version : Python 3.7)

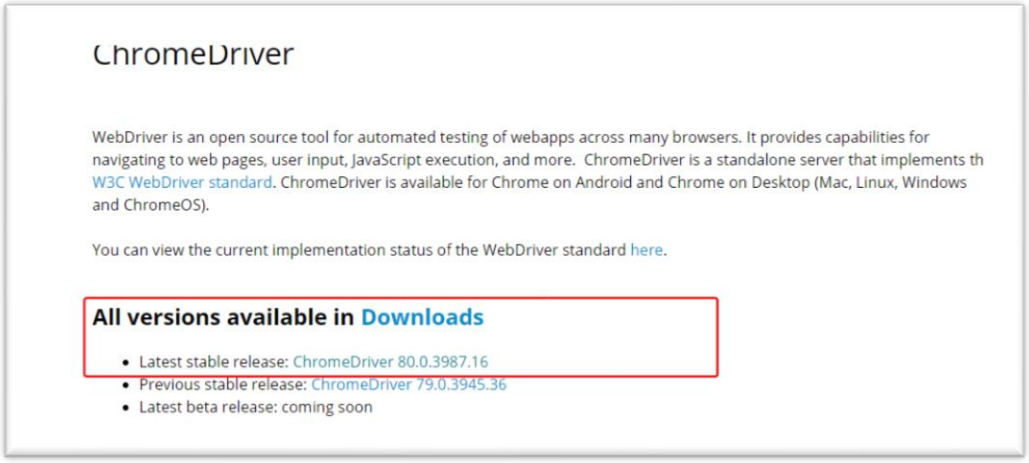
- Download Here



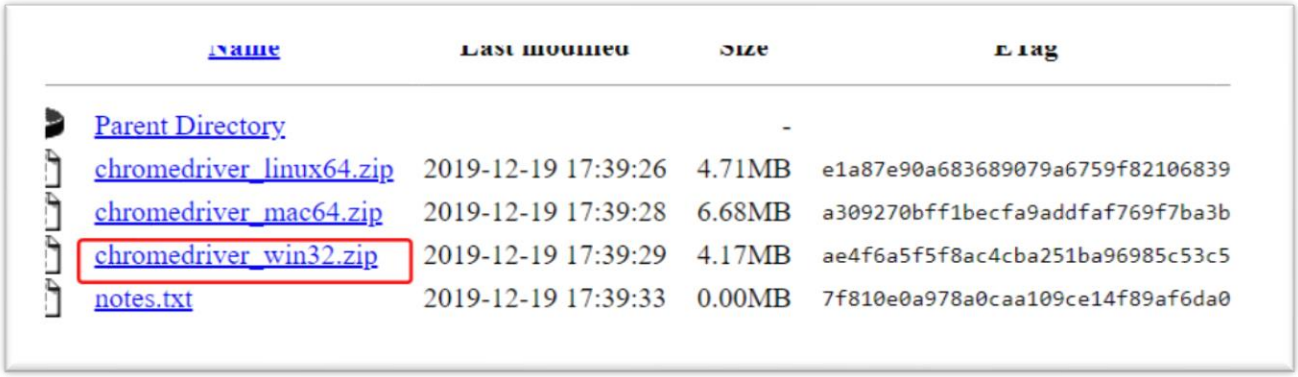


STEP 2 : WebDriver Chrome Download Link : https://sites.google.com/a/chromium.org/chromedriver/

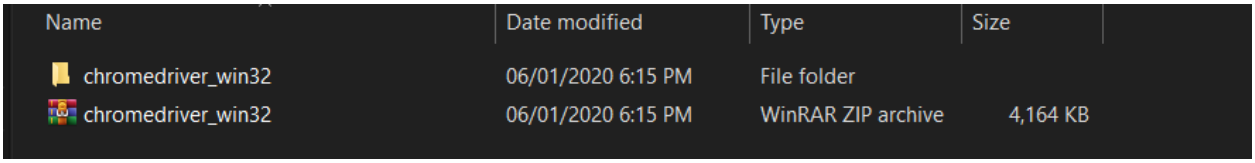
1. Select the Latest Chromedriver



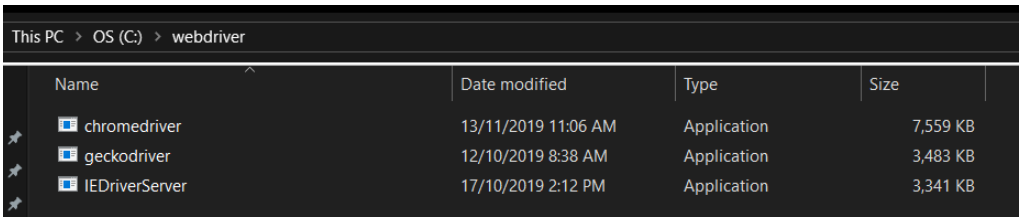
2. Select the specified chromedriver file based on your local OS.



3. Save the downloaded chromedriver zipped file to your desired location
4. Unzipped the downloaded file

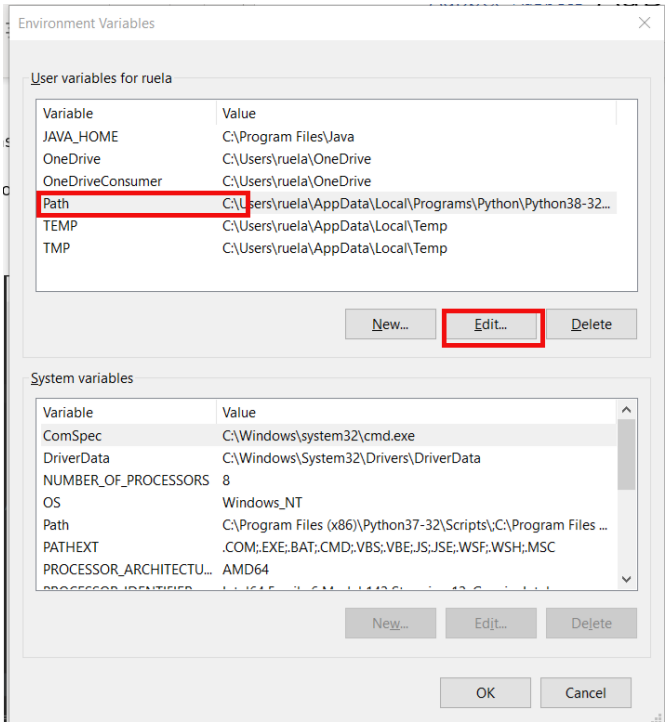


5. Copy the file “chromedriver” from the folder and paste it to webdriver folder at this location C:\webdriver. If no webdriver folder, you can manually create a new one.

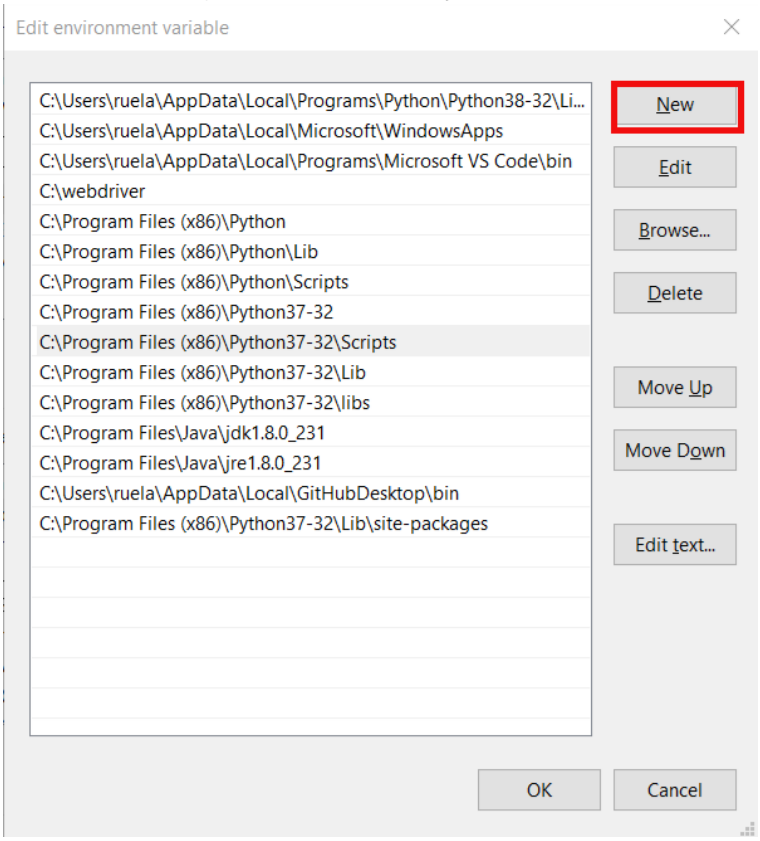


STEP 3 : Environmental Variables Path Configuration on Windows

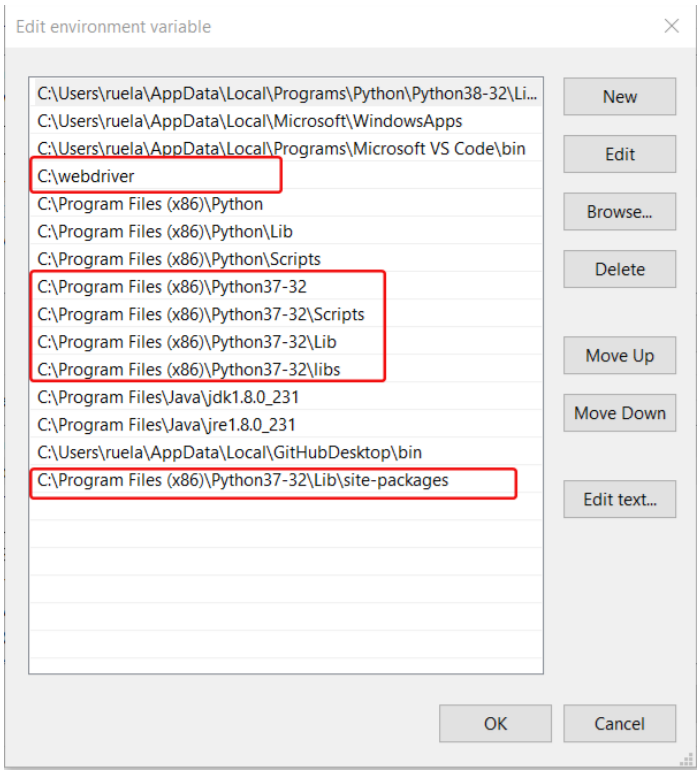
1. Type Environmental Variables on Windows Search
2. Click Path then Click Edit



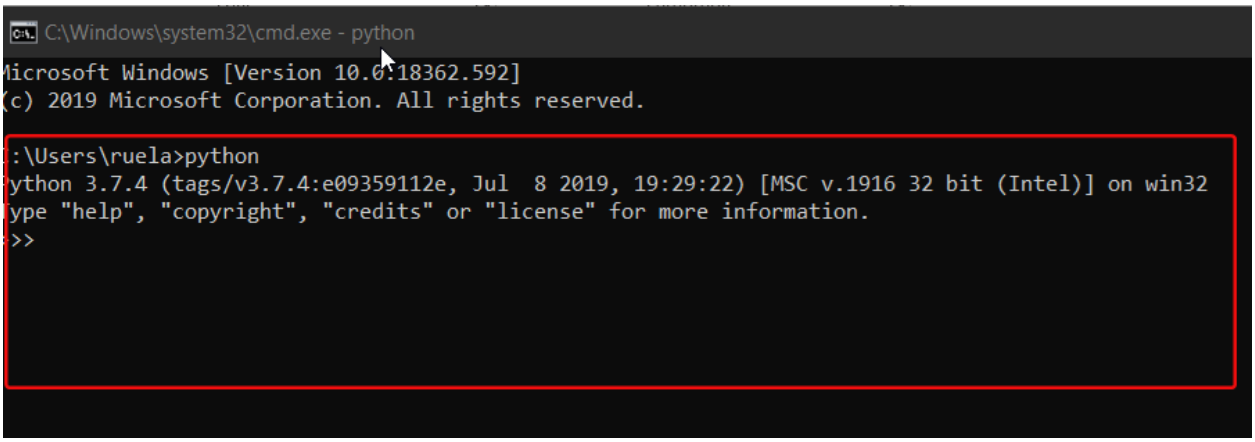
3. Click New button then input the ff :
   a. C:\webdriver
   b. C:\Program Files (x86)\Python37-32\Lib\site-packages
   c. C:\Program Files (x86)\Python37-32
   d. C:\Program Files (x86)\Python37-32\Scripts
   e. C:\Program Files (x86)\Python37-32\libs



4. Verify the information you entered if successful as shown below then click OK

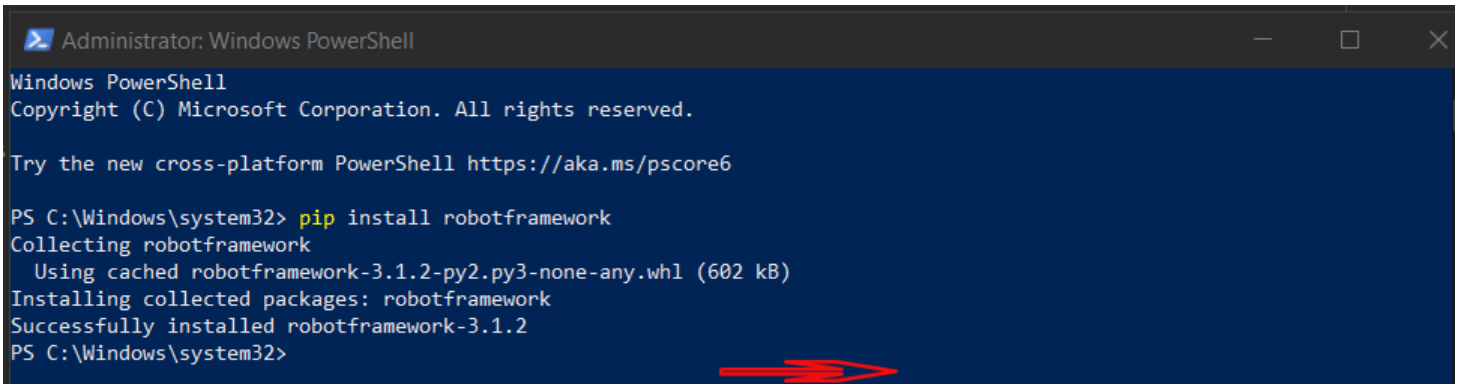


5. Open Command Prompt then type python --version. Verify if python installed successfully same as shown below



STEP 4 : Robot Framework with Selenium Library installation using PIP install

1. Open Command Prompt(admin),
2. Type pip install robotframework then hit ENTER.
3. Type pip install selenium
4. Type pip install robotframework-seleniumlibrary
5. Type pip install robotframework-selenium2library

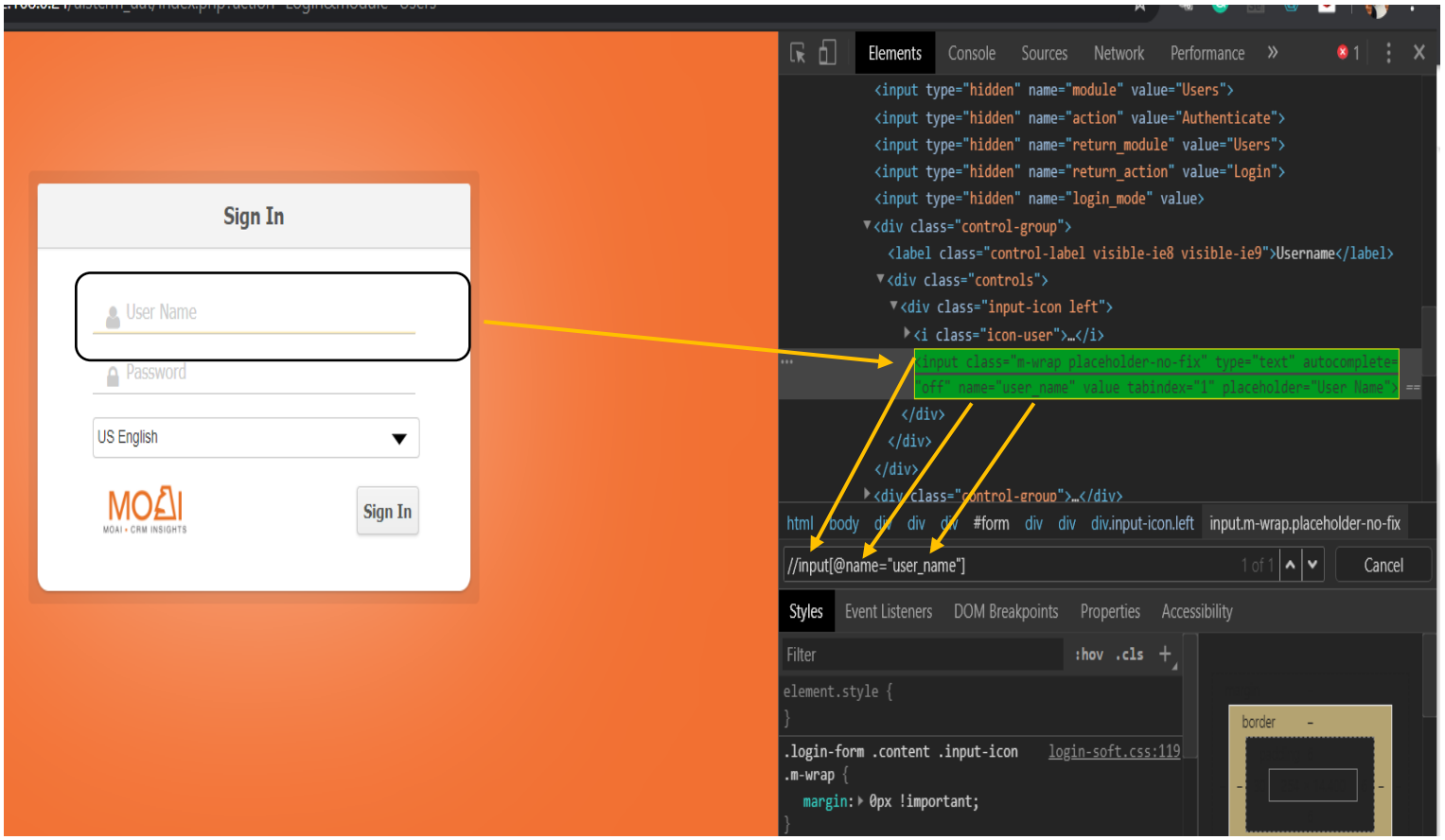


6. To verify if all installed components are successfully installed.
   a. Open CMD
   b. Type pip list then hit ENTER
   c. Check the result as shown below

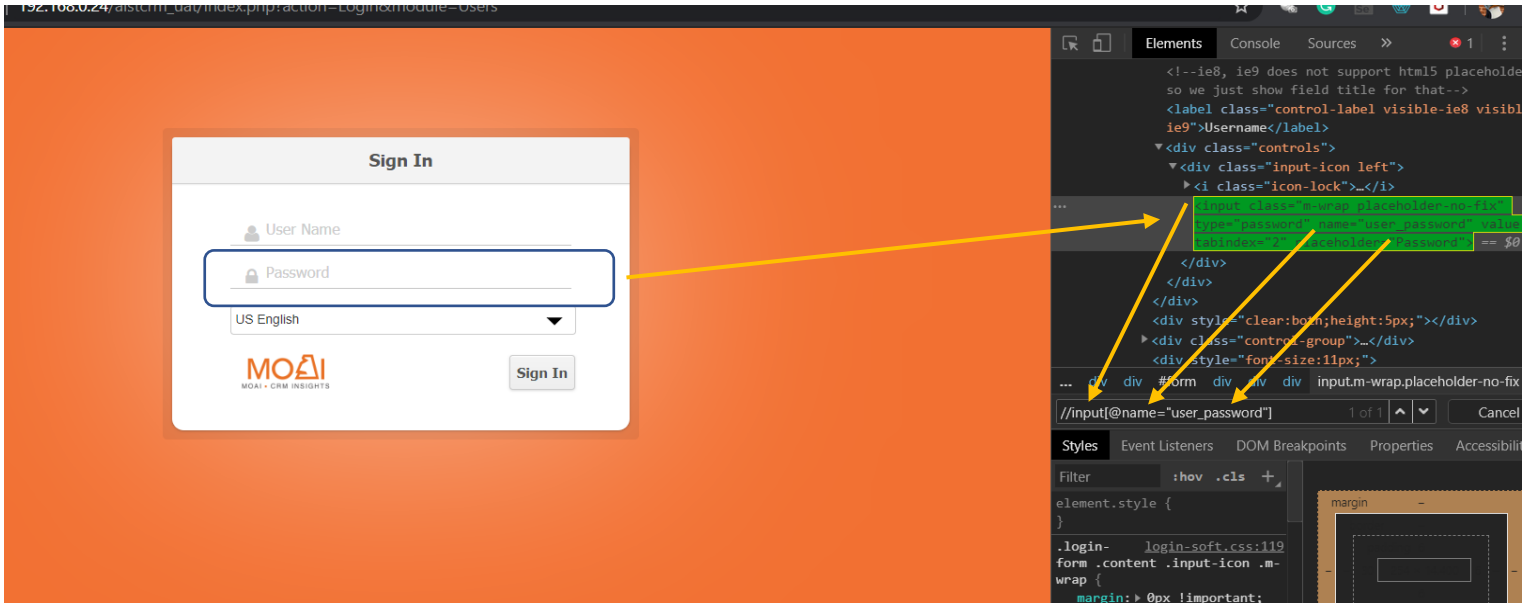
EXAMPLE ON HOW TO GET INSPECT MANUALLY FROM THE BROWSER

a. How to inspect Username , Password and Sign In button Manually?

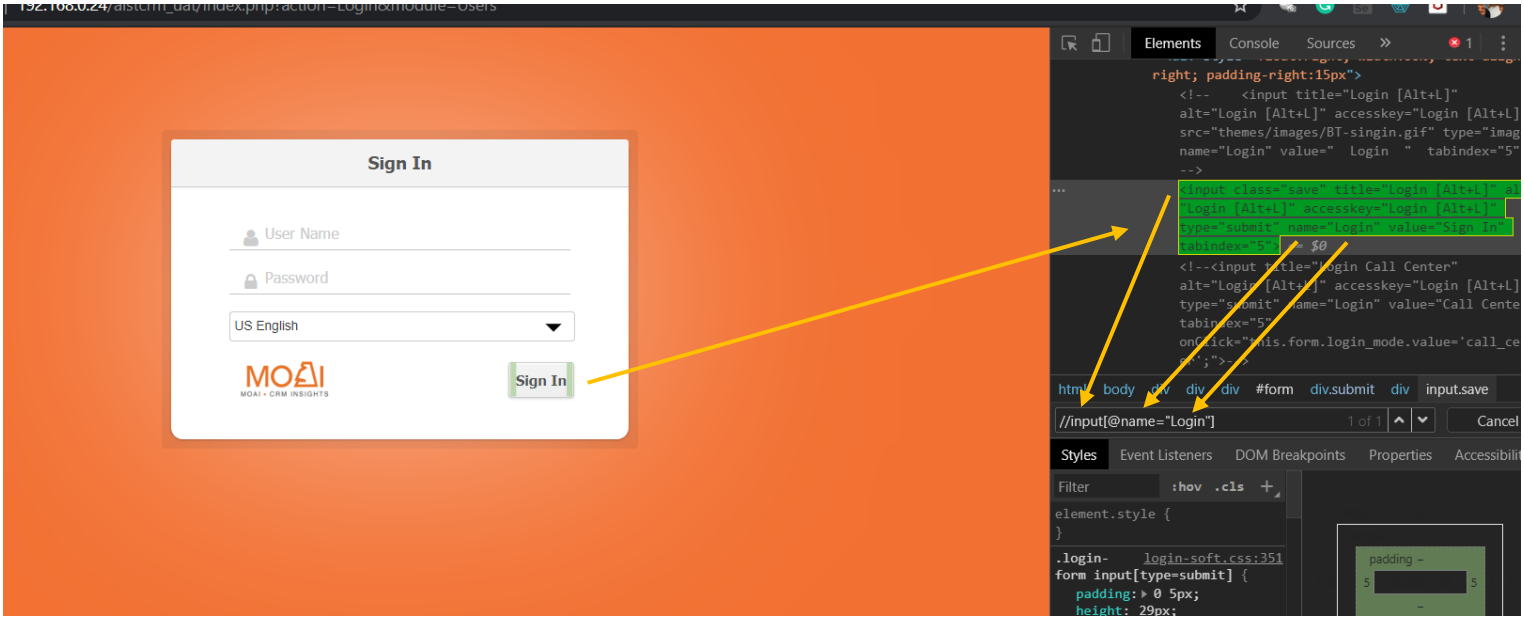
1. The Inspect of Username is //input[@name=”user_name”]. See Example Below :



2. The Inspect of Password is //input[@name=”user_password”]. See Example Below :



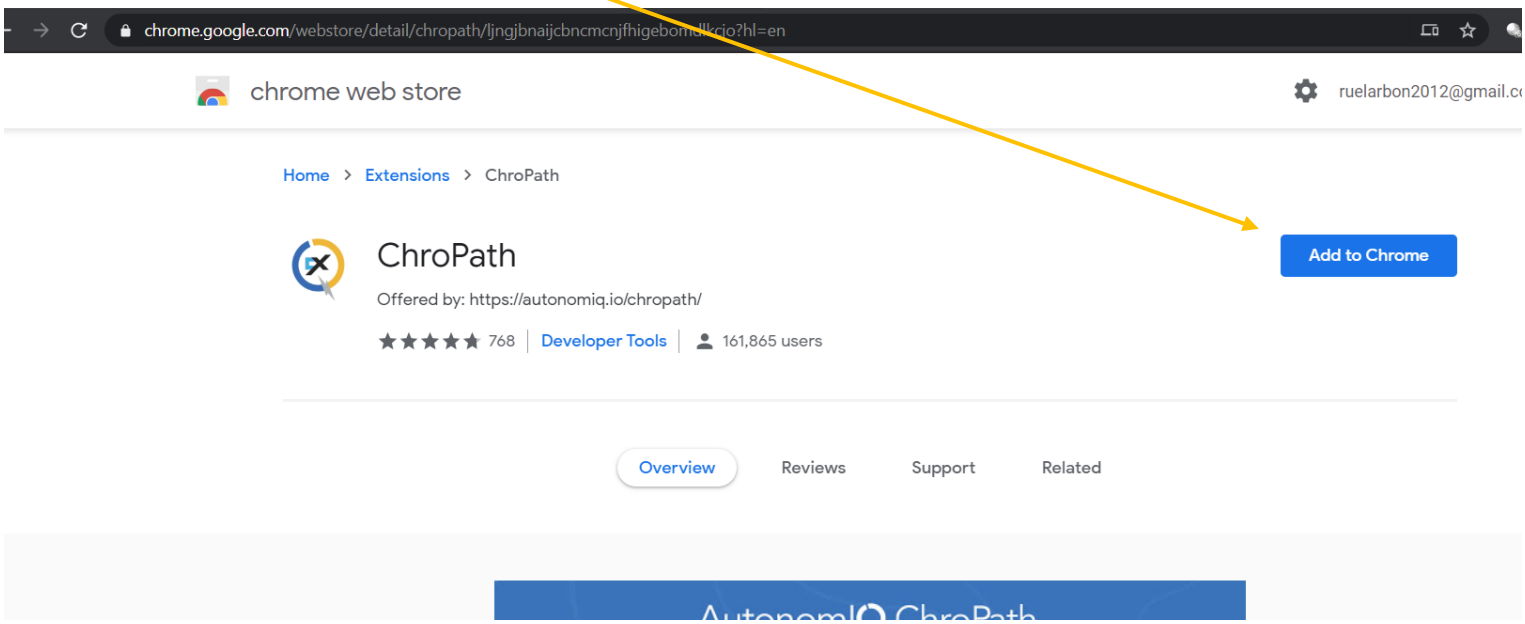
3. The Inspect of Sign In is //input[@name="Login"]. See Example Below :



b. Other ways to to inspect. Click Link Below

1. Click Here https://chrome.google.com/webstore/detail/chropath/ljngjbnaijcbncmcnjfhigebomdlkcjo?hl=en

2. Click ADD TO CHROME button.

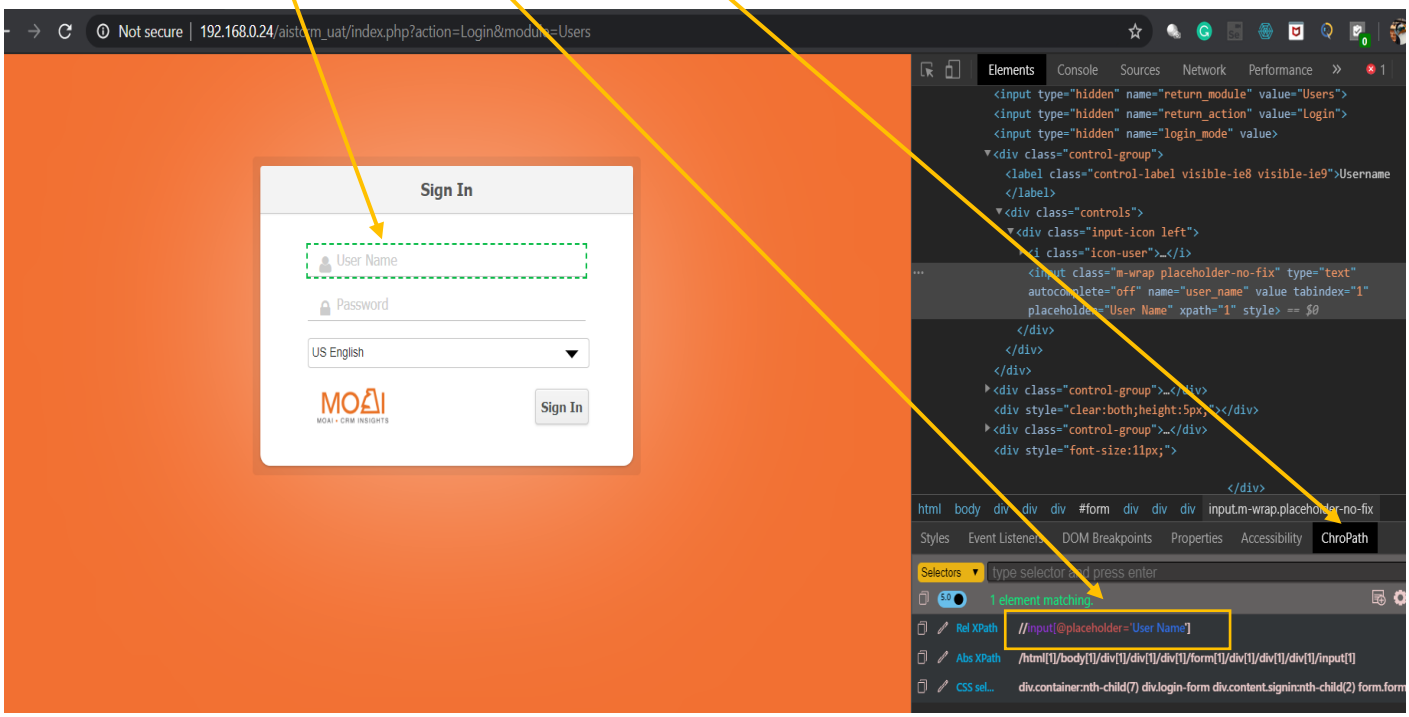


3. Check Username Inspect using ChroPath. See Example below :

a. Go to Inspect username

b. Click ChroPath Button as shown below

c. See inspect element for username : //input[@placeholder='User Name']



Robot Framework Basic Test Script Example

```
*** Settings ***
Library         SeleniumLibrary


*** Test Cases ***

Open AIST-CRM
    Website

Access Valid Username and password
    Input Username
    Input your Password
    Click Login Button
    Click Sales
    Close Browser


*** Variables ***

${URL}              http://192.168.0.24/aistcrm_uat/index.php?action=Login&module=Users
${BROWSER}          Chrome
${USER}             "you user name"
${USER_LOCATOR}     name:user_name
${PASS_LOCATOR}     name:user_password
${PASSWORD}         "you password"
${LOGIN_BUTTON}     name:Login
${LINK_BUTTON}      //a[contains(text(), "Sales")]

*** Keywords ***
 Website
  Open Browser      ${URL}          ${BROWSER}
  Maximize Browser Window

Input Username
    Input Text          ${USER_LOCATOR}          ${USER}

Input your Password
    Input Password      ${PASS_LOCATOR}         ${PASSWORD}

Click Login Button
    Click Button        ${LOGIN_BUTTON}

Click Sales
    Click Link          ${LINK_BUTTON}
```