ROBOT FRAMEWORK INSTALLATION AND TEST SETUP

TOPICS :

* ROBOT FRAMEWORK DEFINITION
* Manual Installation

[STEP 1 : Python 3 Installation Link](#Python_install)

[STEP 2](#Webdriver): [WebDriver](#Webdriver)

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

[STEP 3 :](#setup_environment) [Environmental Path Configuration on Windows](#setup_environment)

[STEP 4](#robot_framework): [Robot framework using pip install](#robot_framework)

* Robot Framework - SeleniumLibrary with pip install
* Robot Framework- Selenium2Library with pip install
* Selenium pip install
* How to verify all installed components.

[STEP 5 : EXAMPLE ON HOW TO GET INSPECT MANUALLY FROM THE BROWSER](#Inspect)

* 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/>

1. External Libraries for Robot Framework
2. 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](#Script)

**Manual Installation:**

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

* Download [Here](https://www.python.org/downloads/release/python-374/)

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

1. Select the Latest Chromedriver

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

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1. Save the downloaded chromedriver zipped file to your desired location
2. Unzipped the downloaded file

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1. 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.

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**STEP 3** **: Environmental Variables Path Configuration on Windows**

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

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1. Click New button then input the ff :
2. C:\webdriver
3. C:\Program Files (x86)\Python37-32\Lib\site-packages
4. C:\Program Files (x86)\Python37-32
5. C:\Program Files (x86)\Python37-32\Scripts
6. C:\Program Files (x86)\Python37-32\libs

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

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

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**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

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1. To verify if all installed components are successfully installed.
2. Open CMD
3. Type pip list then hit ENTER
4. Check the result as shown below

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**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 :

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1. The Inspect of Password is //input[@name=”user\_password”]. See Example Below :

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

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b. Other ways to to inspect. Click Link Below

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

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Description automatically generated 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']

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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}**