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Article Detail

# How to get iframe and its child elements from an HTML page and set child element's value using DLL inside a Bot

 Apr 22, 2021 · Knowledge

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**Article Record Type**
BEST PRACTICES / HOW-TO / TIPS

**Title** ⓘ
How to get iframe and its child elements from an HTML page and set child element's value using DLL inside a Bot

**Summary**
This article describes the procedure to get the iframe inside a webpage by id, get all its child elements, and set some specific values on each child element. This can be accomplished by using a DLL in the bot.

**Instructions**

1. Download and import the Bot from "Export.20210414_153124.developer.zip"
2. These are the actions used inside the bot
   a. DLL Open ( all required DLLs should open) These are the list of required DLLs

   Dependencies (5)

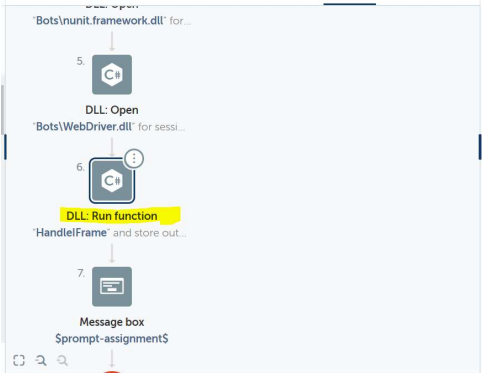   | TYPE | NAME ↑ | PATH | SIZE |
   |------|--------|------|------|
   | Other | IFrameHandling.dll | Bots | 5.5 KB |
   | Other | Newtonsoft.Json.dll | Bots | 685.54 KB |
   | Other | nunit.framework.dll | Bots | 469.5 KB |
   | Other | OpenQA.Selenium.Winium.dll | Bots | 15 KB |
   | Other | WebDriver.dll | Bots | 1.7 MB |

   b. DLL Run function

   DLL Run function needs to specify the following details
   1 . Namespace : *IFrameHandling*
   2 . Class name : *Class1*
   3 . Name of the function to be executed : *HandleIFrame*

   *HandleIFrame* function expects 4 input parameters.

   | Parameter name | Datatype | Description | Sample value |
   |----------------|----------|-------------|--------------|
   |  |  |  |  |

| Parameter name | Datatype | Description | Sample value |
|---|---|---|---|
| browserDriver | string | Specify the browser driver from these options<br>"googlechrome" or "firefox" | firefox / googlechrome |
| htmlFilePath | string | Local path to the HTML file | C:/User/test.html |
| IFrameId | string | iframe element id inside HTML file | iframe1 |
| inputJson | string | array of object with child element id and value  need to set with iframe child elements | [{Id:'input1',Value:'Input 1'}, {Id:'input2',Value:'Input 2'}] |



The Web browser specified drivers required to run the Bot successfully are:

1. *geckodriver.exe* for firefox browser
2 . *chromedriver.exe* for google chrome browser

The above two .exe files should be placed in this file path `C:\Program Files\Automation Anywhere\Bot Agent.`
You can download the Google chrome driver from  https://chromedriver.chromium.org/downloads (https://chromedriver.chromium.org/downloads) by *c*onsidering the installed google chrome version.

Also, You can download the Mozilla firefox driver from  https://github.com/mozilla/geckodriver/releases (https://github.com/mozilla/geckodriver/releases)

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