

NestedFlow Automation – Intelligent Selectors

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Introduction

Selenium 4 has a feature called relative locators. This feature can be used to locate a web object which does not have easily identifiable locator but easy to find it from its location from an element which is having easily identifiable locators.

Please refer to the official documentation:

<https://www.selenium.dev/documentation/webdriver/elements/locators/#relative-locators>

Example

Consider the below form:

Please enter your username and password.

Username:

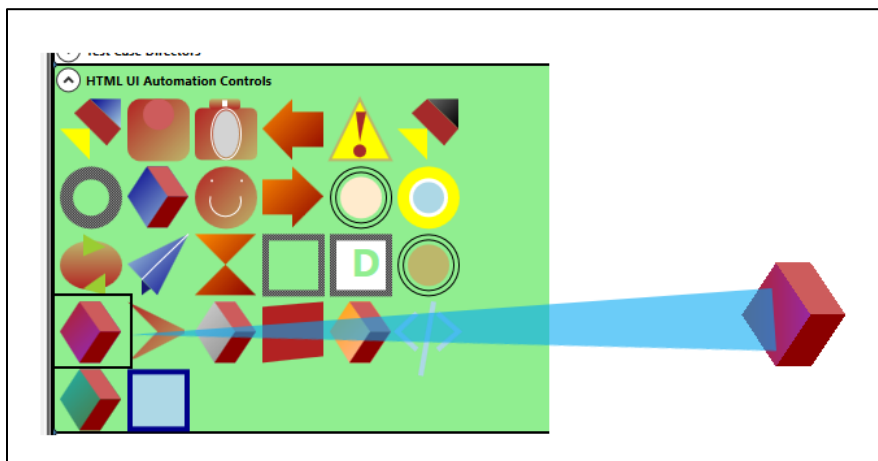
Password:

Login

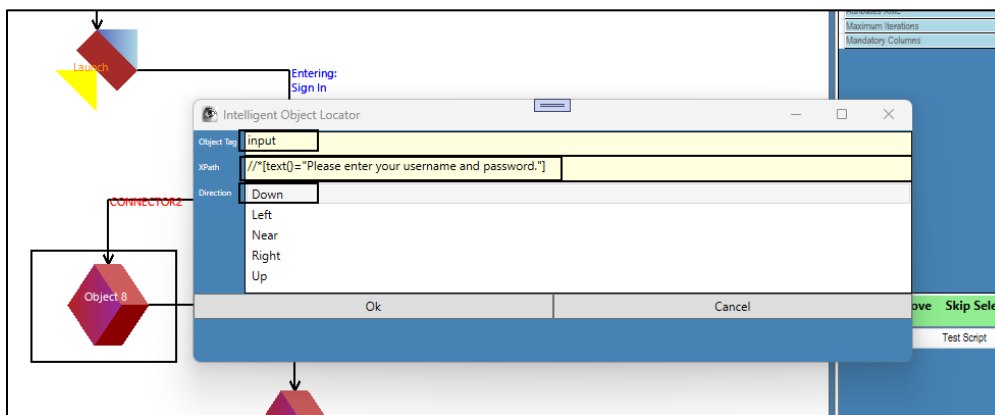
Need a user name and password? [Register Now!](#)

*

For entering the username and password let us use intelligent locators:



For the **Username** field, below configuration will work

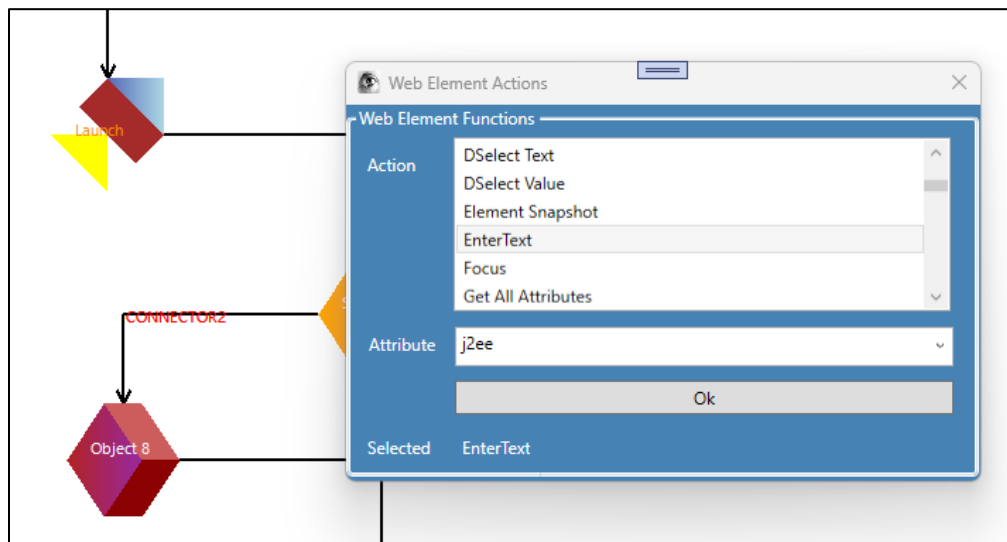


Object Tag → object HTML tag of target element which is **input**

XPath → XPath of the object from where we are finding the target object. In this case we are taking upper heading “Please enter your username and password”

Direction → At what direction we are finding the objects (in this case it is **down**)

Once created, it works exactly as any other selenium object and object actions can be assigned exactly like normal or custom web elements.



Similarly, the password object can be found above the **Login** button

