

Web Actions

Basic

Set

Description: This function is used to enter data in an object.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

Any input in the Input column can be either **hardcoded** (in this case the data is preceded by a "@") or passed from the **data sheet (datasheet name:column name)** or passed from a **variable' value (%variable name%)**, as given in the above example

Click

Description: This function is used to perform click operation on an object.

Example:

ObjectName	Input	Condition
Object		

rightClick

Description: This function is used to perform right click operation on an object or in the browser.

Example:

ObjectName	Input	Condition
Browser		
Object		

SubmitIfExists

Description: This function will check if an object exists. If the object exists, it will submit else it will ignore that step.

Example:

ObjectName	Input	Condition
Object		

RestartBrowser

Description: This function is used to restart browser.

Example:

ObjectName	Input	Condition
Browser		

changeWaitTime

Description: This function is used to change the default wait time.(Default 10 sec)
The default wait time for all the wait actions defined after **changeWaitTime** action will be the same as defined in the **changeWaitTime** action.

Input Format : @Time in seconds

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

setElementTimeOut

Description: This function is used to change the default timeout for Cognizant Intelligent Test Scripter's Object finding logic.(Default 10 second). The same action needs to be called with the default time (10 sec) as parameter when there is a need to switch to the default time for the succeeding steps.

Input Format : @Time in seconds

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

setBrowserSize

Description: This function will Set the browser size

Input Format : In pixels for example **@700x800** or **@700,800** or **@700 800**

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

clickIfExists

Description: This function will check if an element exists. If the element exists, it will click the element, else it will ignore that step.

Example:

ObjectName	Input	Condition
Object		

SetIfExists

Description: This function will check if an element exists. If the element exists, data will be set for that element or that step will be ignored.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

setAndCheck

Description: This function is used to enter data in object and check if the element's value matches with the entered value.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

setEncrypted

Description: This function is used to enter encrypted data to the object specified

Input Format : @Encrypted text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	

Note: If the data is passed from a data sheet, the data in the datasheet should be encrypted

filler

Description: This is an empty action (does nothing), useful in some cases like looping/debugging.

Example:

ObjectName	Input	Condition
Browser		

StartBrowser

Description: This function is used to start a specified browser.

Input Format : @Browser's Name

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

StopBrowser

Description: This function is used to stop the current browser

Example:

ObjectName	Input	Condition
Browser		

AddVar

Description: This function is used to add a user-defined variable with a desired value and the scope of this variable is till the end of the test case in which it is defined

Input Format : @Expected Text

Condition : %variable name%

Example:

ObjectName	Input	Condition
Browser	@value	%Variable%
Browser	Sheet:Column	%Variable%
Browser	%dynamicVar%	%Variable%

AddGlobalVar

Description: Same as **AddVar** but scope is till the end of the test set execution.

Input Format : Text in Input

Condition : %variable name%

Example:

ObjectName	Input	Condition
Browser	@value	%Variable%
Browser	Sheet:Column	%Variable%
Browser	%dynamicVar%	%Variable%

clear

Description: This function is used to clear the object's text

Example:

ObjectName	Input	Condition
Object		

moveTo

Description: Move the browser view to the specified element.

Example:

ObjectName	Input	Condition
Object		

Open

Description: This function will open the URL provided by the user in the default browser

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

highlight

Description: Make a rectangular border around the element

Input Format : Color in hexcode like **@#ff44ff**. If it is left empty red will be taken as default.

Example:

ObjectName	Input	Condition
Object		
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

Verify Element

verifyElementNotPresent

Description: This function will check if the specified element is not present in the web page ie. In the DOM .

Example:

ObjectName	Input	Condition
Object		

verifyElementNotSelected

Description: This function will check if the specified element is not selected.

Example:

ObjectName	Input	Condition
Object		

verifyElementNotDisplayed

Description: This function will verify if the element is not displayed.

Example:

ObjectName	Input	Condition
Object		

verifyElementNotEnabled

Description: This function will check if the specified element is not enabled

Example:

ObjectName	Input	Condition
Object		

verifyElementDisplayed

Description: This function will check if the object is displayed on web page.

Example:

ObjectName	Input	Condition
Object		

verifyHScrollBarPresent

Description: This function will check if the horizontal scrollbar is present.

Example:

ObjectName	Input	Condition
Browser		

verifyHScrollBarNotPresent

Description: This function will check if the horizontal scrollbar is not present.

Example:

ObjectName	Input	Condition
Browser		

verifyVScrollBarPresent

Description: This function will check if the vertical scrollbar is present.

Example:

ObjectName	Input	Condition
Browser		

verifyVScrollBarNotPresent

Description: This function will check if the vertical scrollbar is not present.

Example:

ObjectName	Input	Condition
Browser		

verifyElementPresent

Description: This function will check if the specified element is present in the web page ie) in the DOM.

Example:

ObjectName	Input	Condition
Object		

verifyElementSelected

Description: This function will check if the element is selected.

Example:

ObjectName	Input	Condition
Object		

verifyElementEnabled

Description: This function will check if the element is enabled.

Example:

ObjectName	Input	Condition
Object		

verifyPageSource

Description: This function will check if the page source content of the current page is matching with the expected page source content provided by the user.

Input Format : @Expected PageSource Content

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

Browser Utility

maximize

Description: This function is used for maximizing the browser window.

Example:

ObjectName	Input	Condition
Browser		

By Label

setInputByLabel

Description: This function will set an input element, with the given data, that is adjacent to the provided label element.

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

clickInputByLabel

Description: This function will click an input element that is adjacent to the provided label element.

Example:

ObjectName	Input	Condition
Object		

clickInputByText

Description: This function will click an input element that is adjacent to the provided text

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

submitInputByLabel

Description: This function will submit input element adjacent to the provided label element.

Example:

ObjectName	Input	Condition
Object		

assertElementTextContainsByLabel

Description: This function will check if the text of the input element adjacent to provided label element contains the given text(in the Input Column)

Input Format : @Expected Text.

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextByLabel

Description: This function will check if the text of the input element adjacent to provided label element equals the given text(in the Input Column)

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

Verifications

verifyVariableFromDataSheet

Description: This function will validate the value of a given variable against data in a datasheet cell.

Input Format : Datasheet:column

Condition: %variable%

Example:

ObjectName	Input	Condition
Browser	sheet:column	%variable%

verifyCookiePresent

Description: This function will check if the cookie is present. Search will occur based on the cookie name.

Input Format:@Cookie name.

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

verifyCookieByName

Description: This function will search for the cookie by name and then compare the cookie value with the user-provided value.

Input Format : @Cookie name:Cookie value.

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

verifyAlertText

Description: This function will match the alert text with the expected value.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

Note - Webdriver screenshots will not work when alert is present. Screenshots are of the DOM content. The alert belongs to a separate window and won't be included. Please refer [here](https://github.com/seleniumhq/selenium-google-code-issue-archive/issues/4412) [https://github.com/seleniumhq/selenium-google-code-issue-archive/issues/4412] for more issues.

verifyAlertPresent

Description: This function will verify the presence of an alert.

Example:

ObjectName	Input	Condition
Browser		

verifyVariable

Description: This function will check if the stored variable value matches the expected value.

Input Format : @VariableName=Value

Example:

ObjectName	Input	Condition
Browser	@value	

verifyTextPresentInPage

Description: This function will search for the text inside html tag of the page.

Input Format:@Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

Wait for

waitForElementToBeVisible

Description: This function will wait till the element is visible on the screen

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Object		Time in seconds

waitForElementToBeInVisible

Description: This function will wait till the element becomes invisible.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Object		Time in seconds

waitForElementToBeClickable

Description: This function will wait till the element becomes clickable.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Object		Time in seconds

waitForElementToBeSelected

Description: This function will wait till the element is selected

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Object		Time in seconds

waitForElementToContainText

Description: This function will wait till the element contains the given text

Input Format : @Text to check.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "**ChangeWaitTime**" function with the desired wait time

Example:

ObjectName	Input	Condition
Object	@value	Time in seconds
Object	Sheet:Column	Time in seconds
Object	%dynamicVar%	Time in seconds

waitForElementToContainValue

Description: This function will wait till the element contains the given value

Input Format : @Text to check.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Object	@value	Time in seconds
Object	Sheet:Column	Time in seconds
Object	%dynamicVar%	Time in seconds

waitForElementToBePresent

Description: This function will wait till the element loads in the DOM.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use

"ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser		Time in seconds

waitForFrameAndSwitch

Description: This function will wait for the frame to be available and switch to it.

Input: @id or name or index

The input is optional if you choose to give the web element (the frame itself) under the object name. This element can be added as an object under the Object repository.

If the object name used is "Browser", then you need to give the frame **id or name or index** under the input column

Condition : Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "**ChangeWaitTime**" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser	frame id or name or index	Time in seconds (optional)
Frame itself as an element		Time in seconds (optional)

waitForPageLoaded

Description: This function will wait till the page is loaded. **Note: This is not for Ajax calls**

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser		Time in seconds

waitForAlertPresent

Description: This function will wait for alert to appear on the page.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser		Time in seconds

waitForTitleToBe

Description: This function will wait till the title of the page matches with the given text.

Input Format : @Text to check

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser	@value	Time in seconds
Browser	Sheet:Column	Time in seconds
Browser	%dynamicVar%	Time in seconds

waitForTitleToContain

Description: This function will wait till the title of the page has the given text.

Input Format : @Text to check

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser	@value	Time in seconds
Browser	Sheet:Column	Time in seconds
Browser	%dynamicVar%	Time in seconds

waitTillCustomScript

Description: This function will wait till the given javascript condition returns true. It is applicable only for JavaScript functions that return a boolean value.

Input Format : @Javascript to evaluate

Condition : Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Browser	@value	Time in seconds
Browser	Sheet:Column	Time in seconds
Browser	%dynamicVar%	Time in seconds

clickAndWait

Description: This function is used for clicking and waiting for the page to be loaded.

Example:

ObjectName	Input	Condition
Object		

waitForElementSelectionToBeTrue

Description: This function will wait till the element selection becomes true

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use "ChangeWaitTime" function with the desired wait time

Example:

ObjectName	Input	Condition
Object		Time in seconds

waitForElementSelectionToBeFalse

Description: This function will wait till the element selection becomes false.

Condition :Time in seconds [Optional]. If left empty default waitTime[10 sec] will be considered. If you want to increase the default wait time then you can use

ChangeWaitTime function with the desired wait time

Example:

ObjectName	Input	Condition
Object		Time in seconds

Switch to

To switch to a new frame, you can either go for these actions or you can set the frame id or name under the frame property of your object in the UI of the tool.

switchToFrameByIndex

Description: This function is used for switching control to a frame by given index.

Input Format : @Frame's Index

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToWindowByTitle

Description: This function is used for switching control to a window by given title.

Input Format : @Window's Title

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToWindowByIndex

Description: This function is used for switching control to a window by given index.

Input Format : @Window's Index

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToFrame

Description: This function is used for switching control to frame with id or name specified.

Input Format : @Frame Name or Id

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToWindowByTitleStartsWith

Description: This function is used for switching control to another window whose title begins with the provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToWindowByTitleContains

Description: This function is used for switching control to another window whose title has the provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToWindowByTitleEndsWith

Description: This function is used for switching control to another window whose title ends with the provided data

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToWindowByTitleMatches

Description: This function is used for switching control to another window whose title matches with the provided data (can use regex also).

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

switchToDefaultContent

Description: This function is used for switching control to the default window.

Example:

ObjectName	Input	Condition
Browser		

createAndSwitchToWindow

Description: This function is used to create a new window and then for switching control to the newly created window.

Input Format : @url to open after creating a new window. If this input column is empty then empty url will be loaded

Example:

ObjectName	Input	Condition
Browser		
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

closeAndSwitchToWindow

Description: This function will close the current window and switch back to the default window.

Example:

ObjectName	Input	Condition
Browser		

Drop down

selectByIndex

Description: This function will select an option from a drop down whose index matches the given index.

Input Format : @Expected Value's Index

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deselectAll

Description: This function will clear all the selected entries. This is only valid when there is support for multiple selections in the drop down.

Example:

ObjectName	Input	Condition
Object		

selectByVisibleText

Description: This function will select an option from a drop down whose visible text matches the given text.

Input Format : @Expected Value's Index

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectMultipleByText

Description: This function will select all options that display the text matching the given text.

Input Format : @Expected Text1,Expected Text2

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectMultipleByValue

Description: This function will select all options that have value matching the given value.

Input Format : @Expected value1,Expected value2

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectByValue

Description: This function will select an option from a drop down whose value ('value' attribute of option HTML tag) matches the given value.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectMultipleByIndex

Description: This function will select all multiple options that have index matching the given set of indices.

Input Format : @Expected index1,Expected index2

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deSelectByVisibleText

Description: This function will de-select an option that displays text matching the given text.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deSelectByValue

Description: This function will de-select an option that has value matching the given value.

Input Format : @Expected value

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deSelectByIndex

Description: This function will de-select an option that has index matching the given index.

Input Format : @Expected index

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertSelectContains

Description: This function will assert if the selected element from the drop down matches the user-specified input.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectValueFromUnorderedList

Description: This function will select the value based on the visible text from an unordered list.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectIndexFromUnorderedList

Description: This function will select the value from an unordered list based on the index.

Input Format : @Expected Value's index

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deSelectMultipleByText

Description: This function will deselect all options that display text matching the given text.

Input Format : @Expected Text1,Expected Text2

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deSelectMultipleByValue

Description: This function will de-select all options that has value matching the given values.

Input Format : @Expected value1,Expected value2

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

deSelectMultipleByIndex

Description: This function will de-select all options that has index matching the given indices. This is done by examining the "index" attribute of an element, and not merely by counting.If there is no index attribute used then option identified by the count

Input Format : @Expected index1,Expected index2

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

selectAll

Description: This function will select all options from a select element.

Example:

ObjectName	Input	Condition
Object		

Table

getCellValue

Description: This function is used to get data from the desired cell of the web table and store it in a user-defined variable.

Input Format : @RowNo;ColNo,%variableName%

Example:

ObjectName	Input	Condition
Object	@value	

getColCount

Description: This function is used to count the number of columns in a desired row in a web table and store it in a user-defined variable.

Input Format : @RowNo,%variableName%

Example:

ObjectName	Input	Condition
Object	@value	

getRowNumber

Description: This function is used to get the number of the row of the desired data in a web table and store it in a user-defined variable.

Input Format : @Expected Data,%variableName%

Example:

ObjectName	Input	Condition
Object	@value	

getColNumber

Description: This function is used to get the column number of the desired data in a web table and store it in a user-defined variable.

Input Format : @Expected Data,%variableName%

Example:

ObjectName	Input	Condition
Object	@value	

getRowCount

Description: This function is used to count the number of rows in a web table and store it in a user-defined variable.

Input Format : %variableName%

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

Relative Command

set_Relative

Description: This function will set data in an element based on the property of its parent (Useful when a page has objects with similar properties but their parents are

unique).

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

click_Relative

Description: This function will click an element based on the property of its parent (Useful when a page has objects with similar properties but their parents are unique)

Example:

ObjectName	Input	Condition
Object		

Dynamic Object

setglobalObjectProperty

Description: This function is used to customize all objects' property based on the requirement at runtime. User can give his desired value as an input which will replace the matching condition in the object's property. **For more details, please refer to Help>Faq>Dynamic Object Handling>How to change Object property at runtime?**

Input Format : Input Column : @User Defined Text String

Condition Column : #Variable name

Example:

ObjectName	Input	Condition
Browser	@value	%var%
Browser	Sheet:Column	%var%
Browser	%dynamicVar%	%var%

setObjectProperty

Description: This function is used to customize any object property based on the requirement during the runtime. User can give a desired value as an input which will replace the matching condition in the object property. **For more details, refer to: Help>Faq>Dynamic Object Handling>How to change Object property at runtime?**

Input Format : @User Defined Text String

Condition Column : #Variable name

Example:

ObjectName	Input	Condition
Object	@value	%var%
Object	Sheet:Column	%var%
Object	%dynamicVar%	%var%

Checkbox

uncheck

Description: This function will uncheck the specified check box.

Example:

ObjectName	Input	Condition
Object		

checkAllCheckBoxes

Description: This function will check all the checkboxes on a page.

Example:

ObjectName	Input	Condition
Browser		

check

Description: This function will check the specified checkbox element.

Example:

ObjectName	Input	Condition
Object		

JS Commands

clickByJS

Description: This function will use JavaScript to click an object (useful when selenium functions do not work).

Example:

ObjectName	Input	Condition
Object		

setByJS

Description: This function will use JavaScript to set data in an object (useful when selenium functions do not work).

Input Format : @Expected data

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

setEncryptedByJS

Description: This function will use JavaScript to set encrypted data in an object (useful when selenium functions do not work).

Input Format : @Expected encrypted data

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

clearByJS

Description: This function will use JavaScript to clear an objects text content (useful when selenium functions do not work).

Example:

ObjectName	Input	Condition
Object		

selectByJS

Description: This function is used to select a given option from a drop down and is useful when selenium functions do not work.

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertInsideBounds

Description: To function is used to check if the given object is inside the boundary.

Example:

ObjectName	Input	Condition
Object		

executeEval

Description: This function is used to execute the JavaScript commands

Input Format : @java script scripts

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

AssertElement

assertElementNotPresent

Description: This function will check if the specified element is not present in the web page ie. In the DOM itself.

Example:

ObjectName	Input	Condition
Object		

assertElementNotSelected

Description: This function will check if the specified element is not selected

Example:

ObjectName	Input	Condition
Object		

assertElementNotDisplayed

Description: This function will check if the specified element is not displayed.

Example:

ObjectName	Input	Condition
Object		

assertElementNotEnabled

Description: This function will check if the specified element is not enabled.

Example:

ObjectName	Input	Condition
Object		

assertElementDisplayed

Description: This function will check if the object is displayed on web page.

Example:

ObjectName	Input	Condition
Object		

assertHScrollBarPresent

Description: This function will check if horizontal scrollbar is present.

Example:

ObjectName	Input	Condition
Browser		

assertHScrollBarNotPresent

Description: This function will check if horizontal scrollbar is not present.

Example:

ObjectName	Input	Condition
Browser		

assertVScrollBarPresent

Description: This function will check if vertical scrollbar is present.

Example:

ObjectName	Input	Condition
Browser		

assertVScrollBarNotPresent

Description: This function will check if vertical scrollbar is not present.

Example:

ObjectName	Input	Condition
Browser		

assertElementPresent

Description: This function will check if specified element is present in the web page ie. In the DOM of the page

Example:

ObjectName	Input	Condition
Object		

assertElementSelected

Description: This function will check if the element is selected.

Example:

ObjectName	Input	Condition
Object		

assertElementEnabled

Description: This function will check if the element is enabled.

Example:

ObjectName	Input	Condition
Object		

assertPageSource

Description: This function will check if the page source content of the current page is matching with the expected page source content provided by the user.

Input Format : @Expected PageSource content

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

Common methods

refreshDriver

Description: This function will refresh the current web page.

Example:

ObjectName	Input	Condition
Browser		

forward

Description: This function is used for navigating forward to next page.

Example:

ObjectName	Input	Condition
Browser		

submit

Description: This function will Submit an element.

Example:

ObjectName	Input	Condition
Object		

dragElement

Description: This function will drag the specified element(under Object column) which can be later dropped on to other element by using **dropElement**.

Example:

ObjectName	Input	Condition
Object		

dropElement

Description: This function will drop the element which is dragged by using **dragElement** over the object specified here.

Example:

ObjectName	Input	Condition
Object		

dragAndDropBy

Description: This function will drag and drop an object by specified coordinates in the input column.

Input Format : @x-coordinate,y-coordinate

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

addCookie

Description: This function will add a cookie defined in the input column.

Input Format : @Cookie Name:Cookie Value

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

back

Description: This function is used for navigating to the previous page.

Example:

ObjectName	Input	Condition
Browser		

pause

Description: This function is used for giving a pause (Thread.sleep) in execution.

Input Format : @Time in milliseconds

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

doubleClickElement

Description: This function will double-click on an object.

Example:

ObjectName	Input	Condition
Object		

mouseOverElement

Description: This function will perform the mouse over action on the object.

Example:

ObjectName	Input	Condition
Object		

dragToAndDropElement

Description: This function is used to perform drag and drop operation. Specify the object which you want to drag, in the 'Object' column and specify the object on which you want to drop ,in the 'input' column.

Input Format : @PageName:ObjectName(Destination)

Example:

ObjectName	Input	Condition
Object	@value	

releaseElement

Description: This function is used to release the element held by **clickAndHoldElement**

Example:

ObjectName	Input	Condition
Object		

saveScreenshot

Description: This function will capture the screenshot and save in the specific location.

Input Format : @File destination (eg. @D:\filename.png)

Example:

ObjectName	Input	Condition
Browser	@value	

takeScreenshot

Description: This function will take a screenshot

Example:

ObjectName	Input	Condition
Browser		

storeCurrentUrl

Description: This function will store the current URL into a user defined variable.

Input Format : %variable name%

Example:

ObjectName	Input	Condition
Browser	%dynamicVar%	

storeTextinDataSheet

Description: This Function will store the element's text into respective column of a given datasheet.

Input Format : @Expected datasheet name:column name

Example:

ObjectName	Input	Condition
Object	Sheet:Column	

Note: Ensure that your data sheet doesn't contain column names with spaces.

storeTextPresent

Description: This function will check if the element has expected text and store the flag 'True' or 'False' in the variable.

Input Format : @Expected text

Condition : %variable name%

Example:

ObjectName	Input	Condition
Object	@value	%var%
Object	Sheet:Column	%var%
Object	%dynamicVar%	%var%

storePageSource

Description: This function will store the page source content into a user-defined variable.

Input Format : %variable name%

Example:

ObjectName	Input	Condition
Browser	%variable name%	

storeElementSelected

Description: This function will check if the element is selected and store the flag 'True' or 'False' in the variable.

Input Format : %variable name%

Example:

ObjectName	Input	Condition
Object	%variable name%	

storeElementAttribute

Description: This function will store the element's attribute value into a user-defined variable.

Input Format : @Elements_Attribute_Name

Condition : %variable name%

Example:

ObjectName	Input	Condition
Object	@value	%var%
Object	Sheet:Column	%var%
Object	%dynamicVar%	%var%

storeElementValue

Description: This function will store the element's 'value' attribute into a user-defined variable.

Input Format : %variable name%

Example:

ObjectName	Input	Condition
Object	%variable name%	

storeCookiePresent

Description: This function will check if the given cookie is present and store the flag 'True' or 'False' in the variable.

Input Format : @cookieName

Condition: %variable%

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

storeCookieByName

Description: This function will store the given cookie's value in the variable.

Input Format : @cookieName

Condition: %variable%

Example:

ObjectName	Input	Condition
Browser	@value	%variable%

storeAlertText

Description: This function will store alert text into a user defined variable.

Input Format: %variable%

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

storeAlertPresent

Description: This function will check if alert is present and store the flag 'True' or 'False' in a given variable.

Input Format: %variable%

Example:

ObjectName	Input	Condition
Browser	%variable%	

sendKeysToElement

Description: This function is used to perform keyboard events with respect to object.

Input Format : @Keyboard_Keys(like Enter,Shift,Ctrl,Ctrl+A)

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

sendKeysToWindow

Description: This function is used to perform the keyboard actions with respect to window.

Input Format : @Keyboard_Keys(like Enter,Shift,Ctrl,Ctrl+T)

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

deleteCookie

Description: This function will delete the cookie specified by the user.

Input Format : @Cookie Name

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

answerAlert

Description: This function is used for switch control to alert and answer it.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

acceptAlert

Description: This function is used for switch control to alert and accept it.

Example:

ObjectName	Input	Condition
Browser		

dismissAlert

Description: This function is used to switch control to alert and to dismiss it.

Example:

ObjectName	Input	Condition
Browser		

storeVariable

Description: This function will store the given data (in the input column) into a user-defined variable. This function is same as **AddVar** action.

Input Format : @Desired Value

Condition: %variable name%

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

storeVariableInDataSheet

Description: This function will store the variable's value (as given in the condition column) in the given data sheet and data column

Input Format: Sheetname:columnname

Condition: %variable name%

Example:

ObjectName	Input	Condition
Browser	Sheet:Column	%var%

storeTitle

Description: This function will store the current web page title into a user-defined variable.

Input Format : %variable name%

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

storeText

Description: This function will store the element's text into a user-defined variable.

Input Format : %variable name%

Example:

ObjectName	Input	Condition
Object	%dynamicVar%	

storeEval

Description: Function to store a Javascript expression's value in a variable.

For example if you have a variable as '**a**' and '**b**' and want to add them and store the sum in a variable, you can follow the following syntax.

ObjectName	Input	Condition
Browser	@var a=20;var b=30;return c=a+b;	%var%

Now the value 50(a+b), will be stored in var.

Input Format : javascript

Example:

ObjectName	Input	Condition
Browser	@value	%var%

print

Description: This function can be used for printing expected data in report.

Input Format : @Expected Text or variable can also be printed like %var_name%

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

close

Description: This function will close the selenium Web Driver.

Example:

ObjectName	Input	Condition
Browser		

Scroll

scrollHorizontallyTo

Description: This function will scroll horizontally to a user defined position.

Input Format : @left|right|number

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

scrollVerticallyTo

Description: This function will scroll vertically to a user defined position.

Input Format : @left|right|number

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

scrollToBottom

Description: This function will scroll to the bottom of the page

Example:

ObjectName	Input	Condition
Browser		

scrollTo

Description: This function will scroll to a user specified position.

Input Format : @x co-ordinate,y co-ordinate

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

scrollToTop

Description: This function will scroll to the top of the page

Example:

ObjectName	Input	Condition
Browser		

scrollToLeft

Description: This function will scroll to the left of the page

Example:

ObjectName	Input	Condition
Browser		

scrollToRight

Description: This function will scroll to the right of the page

Example:

ObjectName	Input	Condition
Browser		

Assertions

assertTextPresentInPage

Description: This function will search for the expected text within the html tag of the page and assert the same

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertVariable

Description: This function will assert a stored variable's value with the value given by the user.

Input Format : @%var_name%=Expected Value

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertCookiePresent

Description: This function will assert the presence of a cookie by it's specified name and store the result in a variable.

Input Format : @CookieName

Example:

ObjectName	Input	Condition
Browser	@value	%variable%
Browser	Sheet:Column	%variable%
Browser	%dynamicVar%	%variable%

assertCookieByName

Description: This function will assert the cookie's (the name of the cookie is given is specified in the input column) value with the one in the input column

Input Format : @CookieName:CookieValue

Example:

ObjectName	Input	Condition
Browser	@data	

assertAlertText

Description: This function will assert the text present in alert with the given text.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertAlertPresent

Description: This function will assert the presence of an alert

Example:

ObjectName	Input	Condition
Browser		

assertEval

Description: This function will assert if the evaluated javascript expression equals the expected value provided.

Input Format : @javascript:expectedvalue.

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertVariableFromDataSheet

Description: This function will check if the variable given in the condition column has a value equals to the value from the datasheet mentioned in the input column.

Input Format : Datasheet name:Column name

Condition Format: %Variable name%

Example:

ObjectName	Input	Condition
Browser	Sheet:Column	%variable%

Title

assertTitleStartsWith

Description: This function will validate if the current page title begins with the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleEquals

Description: This function will validate if the title of the current page is equals the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleContains

Description: This function will validate if the title of the current page has the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleStartsWith

Description: This function will validate if the title of the current page begins with the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleEndsWith

Description: This function will validate if the title of the current page ends with the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleMatches

Description: This function will validate if the title current page matches the user-provided data. You can also use regular expression in the Input field.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleEquals

Description: This function will validate if the title of the current page is equals the user-provided data. This function will ignore case of user provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleContains

Description: This function will validate if the title of the current page contains the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertTitleEndsWith

Description: This function will validate if the title of the current page ends with the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected text

Example:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

Attribute

assertElementAttrEquals

Description: This function will validate if specified attribute for an element is equal to the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrContains

Description: This function will validate if the specified attribute for an element contains the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrStartsWith

Description: This function will validate if specified attribute for an element begins with the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrEndsWith

Description: This function will validate if specified attribute for an element ends with user provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrMatches

Description: This function will validate if specified attribute for an element matches with the user-provided data. You can also use regular expression in the Input field.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrEquals

Description: This function will validate if specified attribute for an element is equals the user-provided data. This function will ignore case of the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrContains

Description: This function will validate if specified attribute contains user-provided data. This function will ignore case of the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrlStartsWith

Description: This function will validate if specified attribute for an element begins with the user-provided data. This function will ignore case of the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementAttrlEndsWith

Description: This function will validate if specified attribute for an element ends with the user-provided data. This function will ignore case of the user-provided data.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

verifyElementAttribute

Description: This function will check if the value of the specified attribute of the element matches the user provided value.

Input Format : attributeName attributeValue

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

Text

assertElementTextEquals

Description: This function will validate if a specified element text is equal to the user-provided text.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextContains

Description: This function will check if an element text contains the expected text.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextStartsWith

Description: This function will validate if specified element text starts with user provided data.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextEndsWith

Description: This function will validate if the specified element text ends with user-provided data.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextMatches

Description: This function will validate if a specified element text matches with the user-provided data. You can also use regular expression in the Input field .

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextEquals

Description: This function will validate if a specified element text is equal to the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextContains

Description: This function will validate if a specified element text contains the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextlStartsWith

Description: This function will validate if a specified element text begins with the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

assertElementTextlEndsWith

Description: This function will validate if a specified element text ends with the user-provided data. This function will ignore case of the user-provided data.

Input Format : @Expected Text

Example:

ObjectName	Input	Condition
Object	@value	
Object	Sheet:Column	
Object	%dynamicVar%	

URL

assertUrlEquals

Description: This function will validate if the current URL equals the user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlContains

Description: This function will validate if the current URL has the user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlStartsWith

Description: This function will validate if the current URL begins with the user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlEndsWith

Description: This function will validate if the current URL text ends with user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlMatches

Description: This function will validate if the current URL matches with the user-provided data. You can also use regular expression in the Input field.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlEquals

Description: This function will validate if the current URL is equal to the user-provided data. This function will ignore case of user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlContains

Description: This function will validate if the current URL has the user-provided data. This function will ignore case of user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlStartsWith

Description: This function will validate if the current URL begins with the user-provided data. This function will ignore case of user provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	

assertUrlEndsWith

Description: This function will validate if the current URL ends with the user-provided data. This function will ignore case of user-provided data.

Input Format : @Url value

Syntax:

ObjectName	Input	Condition
Browser	@value	
Browser	Sheet:Column	
Browser	%dynamicVar%	