

Common JavaScript APIs

Here are some common JS APIs. This is just a partial list. For the full list, see [Test Designer JS Commands Reference](#).

`_formSubmit(_form("formID"))`

Form Submit API which can be used instead of Enter Key if the existing page has form in it.

`_getAttribute(_byId('table_name'),"rows")`

Used to find the rows in a table and store it in a variable. The following code snippet can be used to validate whether a checkbox is checked or not.

```
var $ch = _getAttribute(_byId('accessor'),"checked");_log($ch)if($ch==false){  
_click(_checkbox("accessor")); }else{_assertEqual($ch,"checked"); }
```

`var $msg=_getText(_div("custdialog"))`

Fetches the text from a dialogue box and stores it in a variable.

- Variants to the above `getText` are as follows:
 - `getTextSelenium` - Follows the same syntax as above. The difference is it exactly trims the data without having any white spaces.

`var $ch2=eval(_lastAlert())`

Stores the contents of the last pop up into a variable which can later be compared using assertion. If a particular list has a form action, then the following code snippet can be used.

```
_setSelected(_select("accessor ID"),"list Element");_formSubmit(_form("form ID"));
```

`_mouseOver(_div("accessor"))`

Simulates Mouse Over action.

`_setFile2(_byXPath('//*[@id="fileBox"]'), "Test.mp4")`

Used for file upload actions/

- `setFile2` API is similar to `setFile` API, which uses the same syntax as that of `setFile` API, `setFile2` is used when you want to mimic a user activity where front end validations are involved.
- While using `setFile2` for file upload make sure you do not give any absolute path or relative path. Example: `_setFile2(_byXPath('//*[@id="fileBox"]'), "Test.mp4");`

`var $length = _getLength('.tablename tr')`

Jquery used to get table length. Its similar to usage in jquery format with selectors except that there we will use `$.length`. Here its not needed.

- Example Jquery notation: `$('.tableclass tr').length`
- Test Designer usage: `getLength('.tableclass tr')` (class selector)
Note: Use `#` if its an id.
- To find column count too, use : `getLength('.tableclass tr td')` or `getLength('.tableclass tr th')`

`var $ch = _getAttribute(_link("URL Name"), "href")`

Gets the HREF URL which can then be stored in a string.

`_setFile(_byXPath('//*[@id="fileBox"]'), "{ds}/Test.mp4")`

Upload file.

getComputedStyle(_div("accessor"),"background-color")

Retrieves background color or any style attribute.

rteWrite(iframe("identifier"),"Test in RTE")

Works inside rich text editor which will always be embedded inside iframe.

EVAL Usage in Test Designer JS

These can be used if in case no other option is available but to stick with pure jquery usage:

Examples:

```
_eval("ds$('html, body').scrollTop(ds$(document).height())");var data1 =  
_eval("Math.round(ds$(window).scrollTop())");log(data1);var data2 =  
_eval("ds$(window).height()");_log(data2);var data4 = +data1 + +data2 ;_log(data4);var data3 =  
_eval("ds$(document).height()");_log(data3);var end =  
_eval("Math.round(ds$(window).scrollTop()+ ds$(window).height() ==  
ds$(document).height());_log(end);if(end == true){_log("scroll bottom is reached");}
```

```
var collection = _eval("ds$('.space-program-detail').not('.hideProgram').find('.program-  
name')");log(collection.length);
```

```
_log("typeof "+typeof _eval("(function(){})());");_log( _eval("(function(){return  
null;})();");_eval("ds$('html, body').scrollTop(ds$(document).height())");
```

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