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1 Introduction

A few years ago I was working on a project where we are working on add ins for Office365. These add ins must be tested when they where ready.

For this all the tests where created with Visual Studio with using Selenium. That was working fine. But there are some little issues to work with that:

- You need developer experience to use this
- It is a labor-intensive process to create test scenarios
- Visual Studio is needed to create and update the tests

With this solution everybody can create, updating and executing test scenarios for web sites.

So, hopefully the user likes this application.

2 Configuration

In the configuration screen there are four options the user can change:

- The [Border Color](#)
- The [Border Thickness](#)
- The [Duration \(in milliseconds\)](#) the rectangle is visible
- How many [Extra Checks](#) are needed when an element is not found instantly

2.1 Border Color

With this option the user can set the color of the rectangle showed when a visible element is found in the web page.

It is possible to select one of the system colors. The user can choose from 140 different colors:

AliceBlue
AntiqueWhite
Aqua
Aquamarine
Azure
Beige
Bisque
Black
BlanchedAlmond
Blue
BlueViolet
Brown
BurlyWood
CadetBlue
Chartreuse
Chocolate
Coral
CornflowerBlue
Cornsilk
Crimson

Cyan
DarkBlue
DarkCyan
DarkGoldenrod
DarkGray
DarkGreen
DarkKhaki
DarkMagenta
DarkOliveGreen
DarkOrange
DarkOrchid
DarkRed
DarkSalmon
DarkSeaGreen
DarkSlateBlue
DarkSlateGray
DarkTurquoise
DarkViolet
DeepPink
DeepSkyBlue
DimGray
DodgerBlue
Firebrick
FloralWhite
ForestGreen
Fuchsia
Gainsboro
GhostWhite
Gold
Goldenrod
Gray
Green
GreenYellow
Honeydew
HotPink
IndianRed
Indigo
Ivory
Khaki
Lavender
LavenderBlush
LawnGreen

LemonChiffon
LightBlue
LightCoral
LightCyan
LightGoldenrodYellow
LightGreen
LightGray
LightPink
LightSalmon
LightSeaGreen
LightSkyBlue
LightSlateGray
LightSteelBlue
LightYellow
Lime
LimeGreen
Linen
Magenta
Maroon
MediumAquamarine
MediumBlue
MediumOrchid
MediumPurple
MediumSeaGreen
MediumSlateBlue
MediumSpringGreen
MediumTurquoise
MediumVioletRed
MidnightBlue
MintCream
MistyRose
Moccasin
NavajoWhite
Navy
OldLace
Olive
OliveDrab
Orange
OrangeRed
Orchid
PaleGoldenrod
PaleGreen

PaleTurquoise
PaleVioletRed
PapayaWhip
PeachPuff
Peru
Pink
Plum
PowderBlue
Purple
Red
RosyBrown
RoyalBlue
SaddleBrown
Salmon
SandyBrown
SeaGreen
SeaShell
Sienna
Silver
SkyBlue
SlateBlue
SlateGray
Snow
SpringGreen
SteelBlue
Tan
Teal
Thistle
Tomato
Turquoise
Violet
Wheat
White
WhiteSmoke
Yellow
YellowGreen

Settings - Configuration ×


Configuration Settings

Border Color: Red

Border Thickness: 3

Duration (in milliseconds): 10

Extra checks by failure: 0

Example: 

Steps:

- Select the color you want in the drop box.

Settings - Configuration ✕

Configuration Settings

Border Color: Red ▾

Border Thickness:

Duration (in milliseconds):

Extra checks by failure:

Example:

Red

RosyBrown

RoyalBlue

SaddleBrown

Salmon

SandyBrown

SeaGreen

SeaShell

Sienna

Silver

SkyBlue

SlateBlue

SlateGray

Snow

SpringGreen

SteelBlue

Tan

Teal

- Click the save button to confirm the changes.

Settings - Configuration x


Configuration Settings

Border Color: Example:

Border Thickness:

Duration (in milliseconds):

Extra checks by failure:



2.2 Border Thickness

It is not only possible to change the border color. Also it is possible to change the line thickness of the border.

Settings - Configuration x

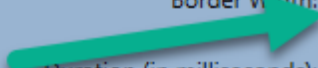
Configuration Settings

Border Color: Example:

Border Width:

Duration (in milliseconds):

Extra checks by failure:



The users can select a value from 1 till 7 in the drop down box.

Settings - Configuration

Configuration Settings

Border Color: Red

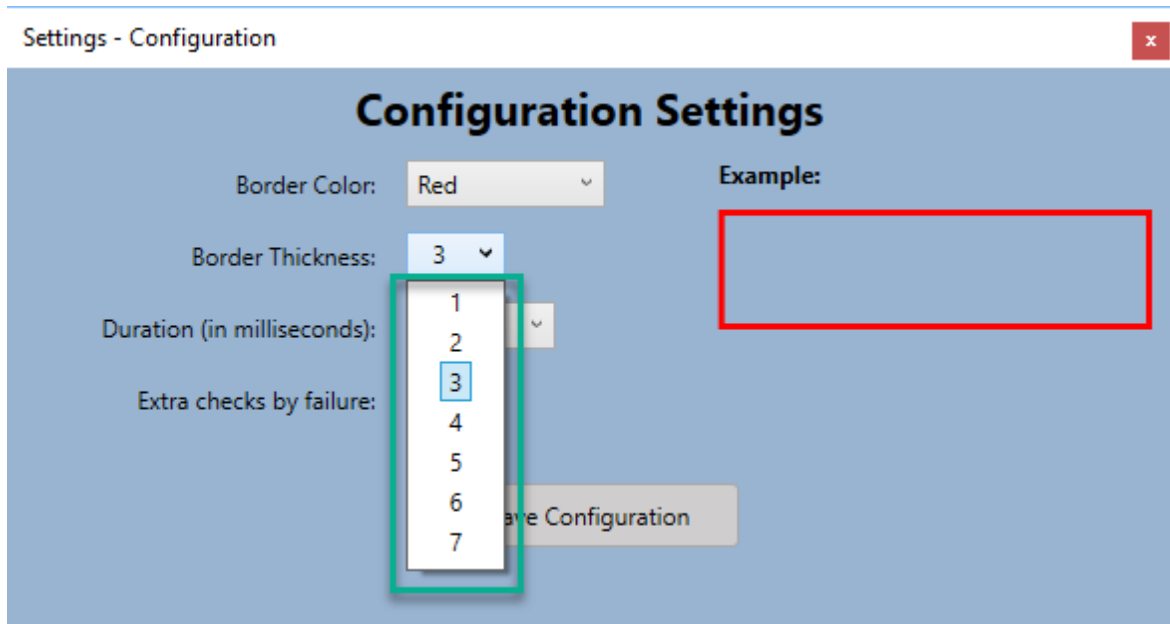
Border Thickness: 3

Duration (in milliseconds):

Extra checks by failure:

Example:

Save Configuration



Steps:

- Select the thickness you want in the drop box.

Settings - Configuration

Configuration Settings

Border Color: Red

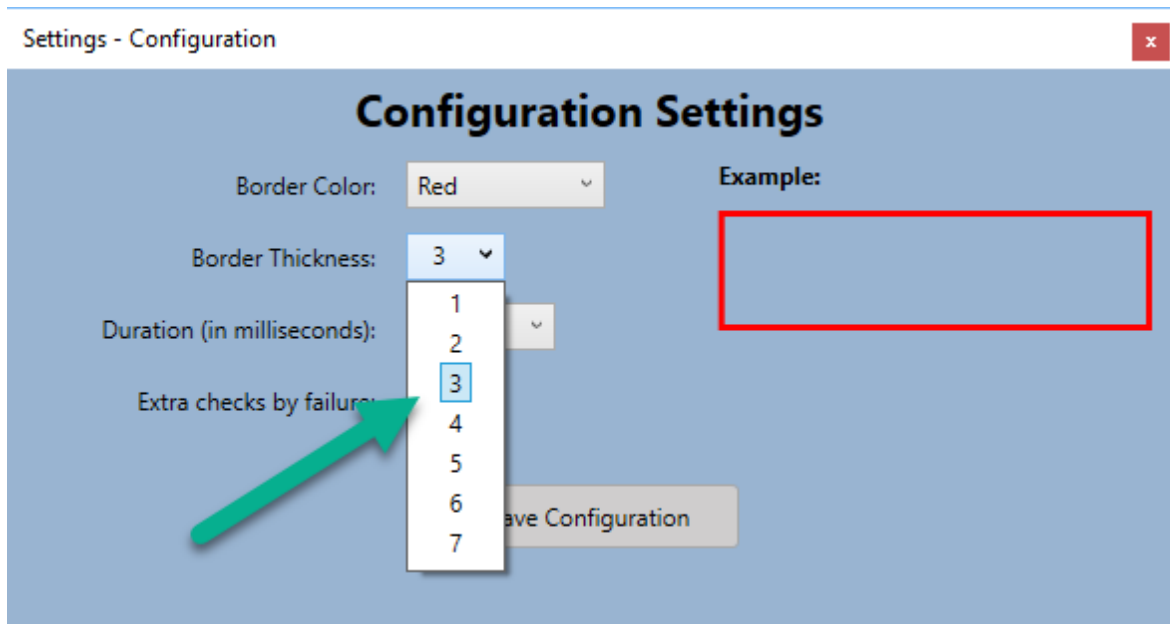
Border Thickness: 3

Duration (in milliseconds):

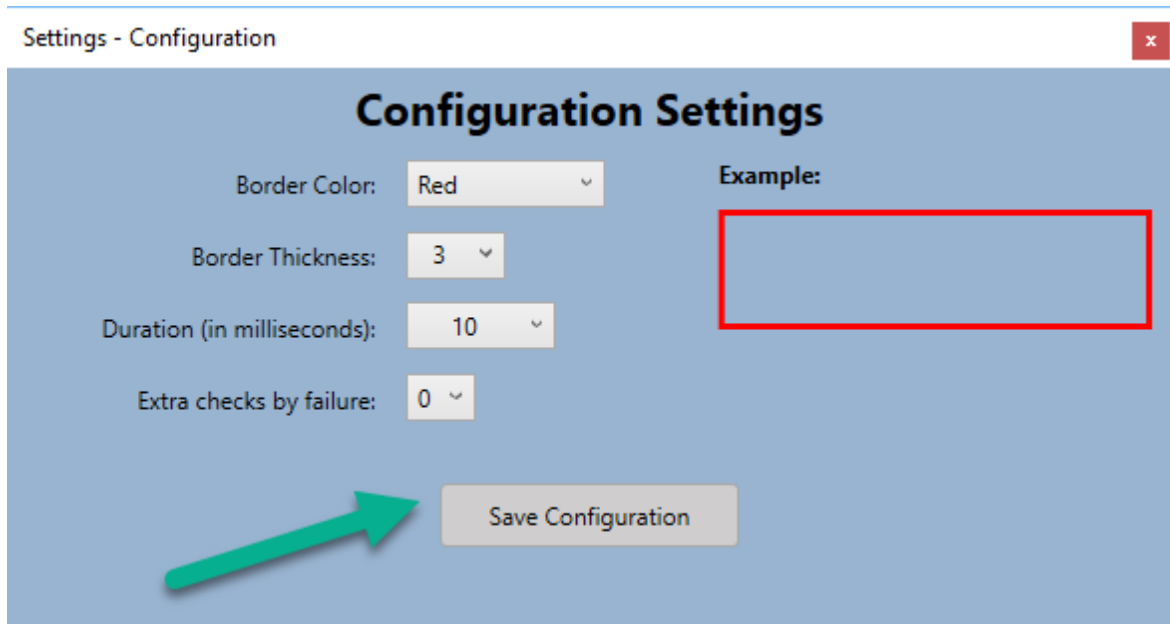
Extra checks by failure:

Example:

Save Configuration



- Click the save button to confirm the changes.



2.3 Duration

With the Duration option it will be possible to set the time the user wants to show the rectangle at the selected element.

Just as the [Border Color](#) option and the [Border Thickness](#) option, there is a drop down box to select one of the following values:

10
20
50
100
200
500
750
1000
1250
1500
2000
3000
5000
10000

Keep in mind that all these values are in milliseconds.

Settings - Configuration ×


Configuration Settings

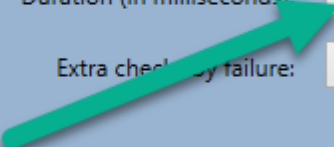
Border Color: Red

Border Thickness: 3

Duration (in milliseconds): 10

Extra check on failure: 0

Example: 




Save Configuration

Steps:

- Select the Duration you want in the drop box.

Settings - Configuration ✕

Configuration Settings


Border Color: Red ▼ Example: 

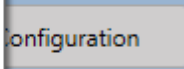
Border Thickness: 3 ▼

Duration (in milliseconds): 10 ▼

Extra checks by failure:

- 10
- 20
- 50
- 100
- 200
- 500
- 750
- 1000
- 1250
- 1500
- 2000
- 3000
- 5000
- 10000






- Click the save button to confirm the changes.

Settings - Configuration ✕


Configuration Settings

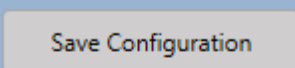
Border Color: Red ▼ Example: 

Border Thickness: 3 ▼

Duration (in milliseconds): 10 ▼

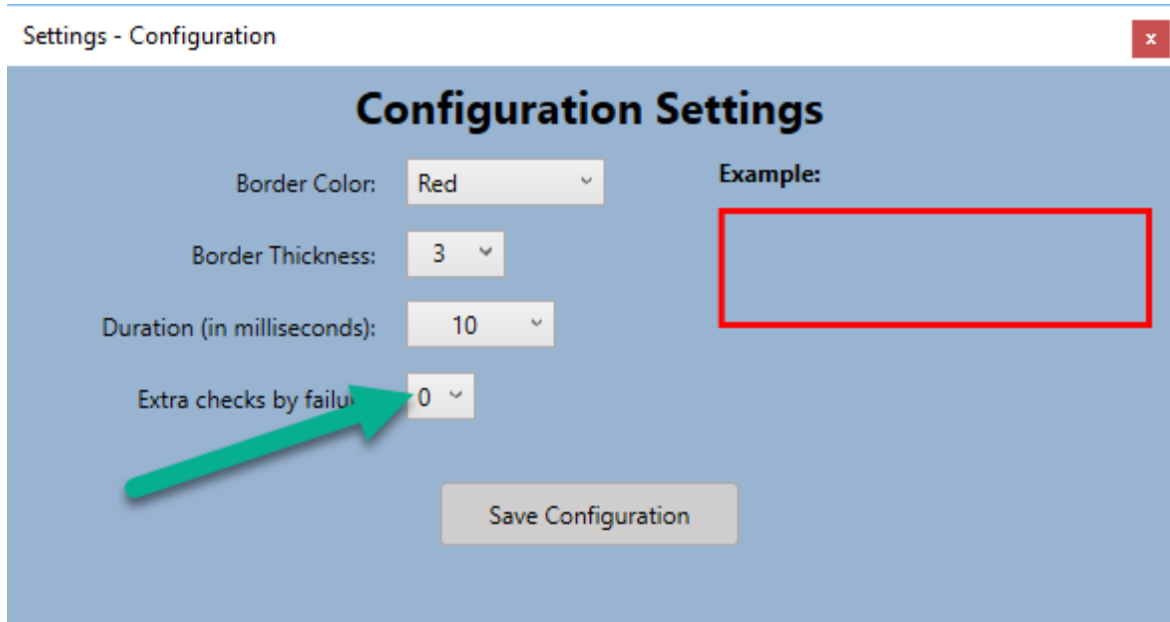
Extra checks by failure: 0 ▼





2.4 Extra Checks

If an element is not found directly, it will be possible that this element just on the site, but not directly loaded. After a while the element can than be added to the web page. In that case you can configure how many times the application has to check if the element is already loaded.



The screenshot shows a 'Settings - Configuration' window with a title bar and a close button. The main area is titled 'Configuration Settings'. It contains four configuration options, each with a label and a dropdown menu: 'Border Color:' set to 'Red', 'Border Thickness:' set to '3', 'Duration (in milliseconds):' set to '10', and 'Extra checks by failure:' set to '0'. A green arrow points to the 'Extra checks by failure:' dropdown. To the right of these settings is an 'Example:' section with a red rectangular border. At the bottom center is a 'Save Configuration' button.

The user can select 0, 1, 2, 3, 4 or 5 times to check the missing element.

Steps:

- Select the Extra checks you want in the drop box.

Settings - Configuration ✕


Configuration Settings

Border Color: Red ▾

Border Thickness: 3 ▾

Duration (in milliseconds): 10 ▾

Extra checks by failure: 0 ▾

Example: 

0 ▾

1


2

3

4

5

Save Configuration



- Click the save button to confirm the changes.

Settings - Configuration ✕


Configuration Settings

Border Color: Red ▾

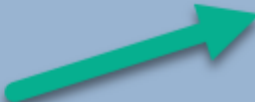
Border Thickness: 3 ▾

Duration (in milliseconds): 10 ▾

Extra checks by failure: 0 ▾

Example: 

Save Configuration



3 Extras

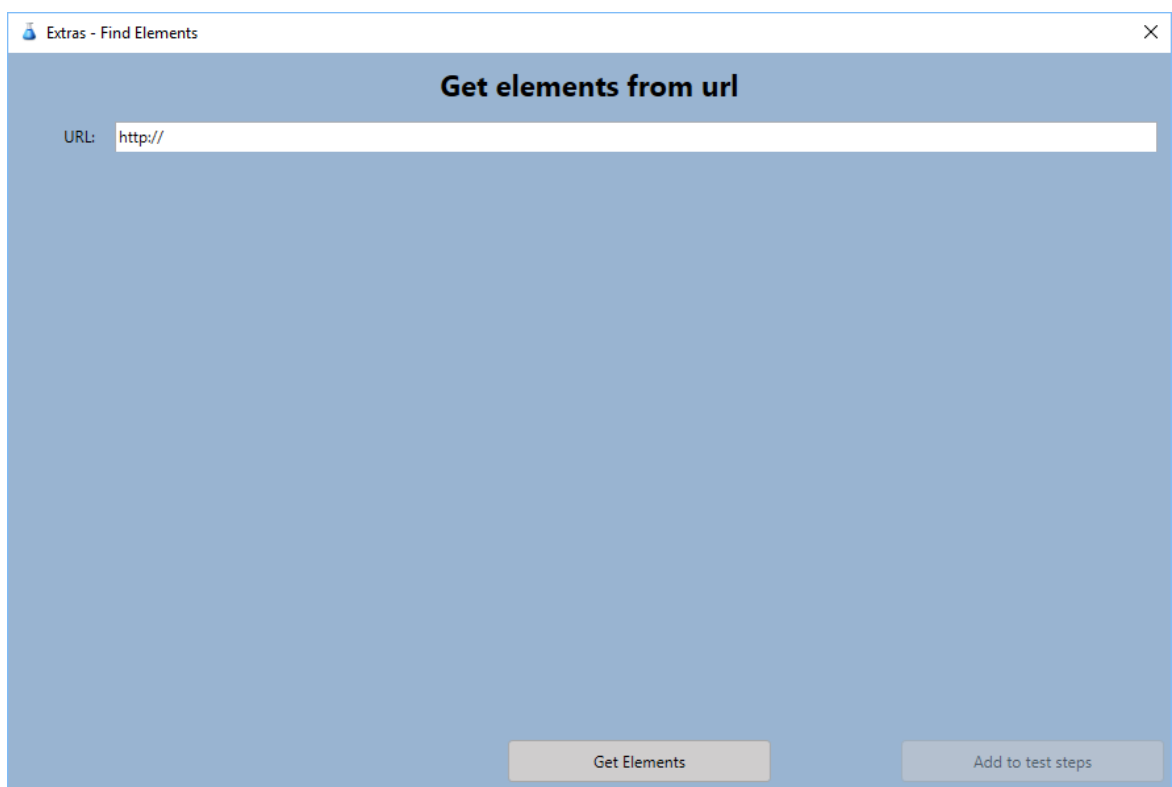
It is possible to add all the elements from a website by hand. See also [Edit Test Steps](#). But it will be much easier to do this automatically.

The Extras Menu has 2 options. One for data that is not in the database and one for the data what already is in the database:

- [Elements URL](#)
- [Elements Database](#)

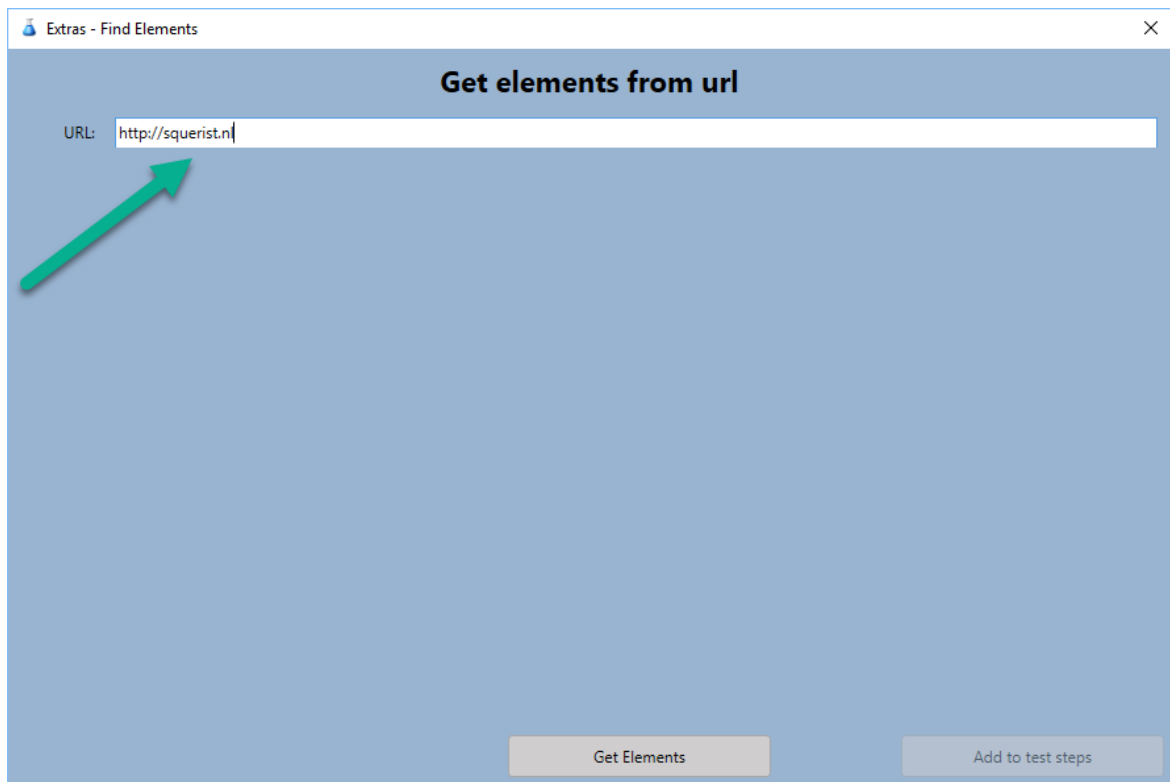
3.1 Elements URL

For getting the elements directly from the url select this option. You can do this by clicking on the menu option "Extras" and select Elements URL.

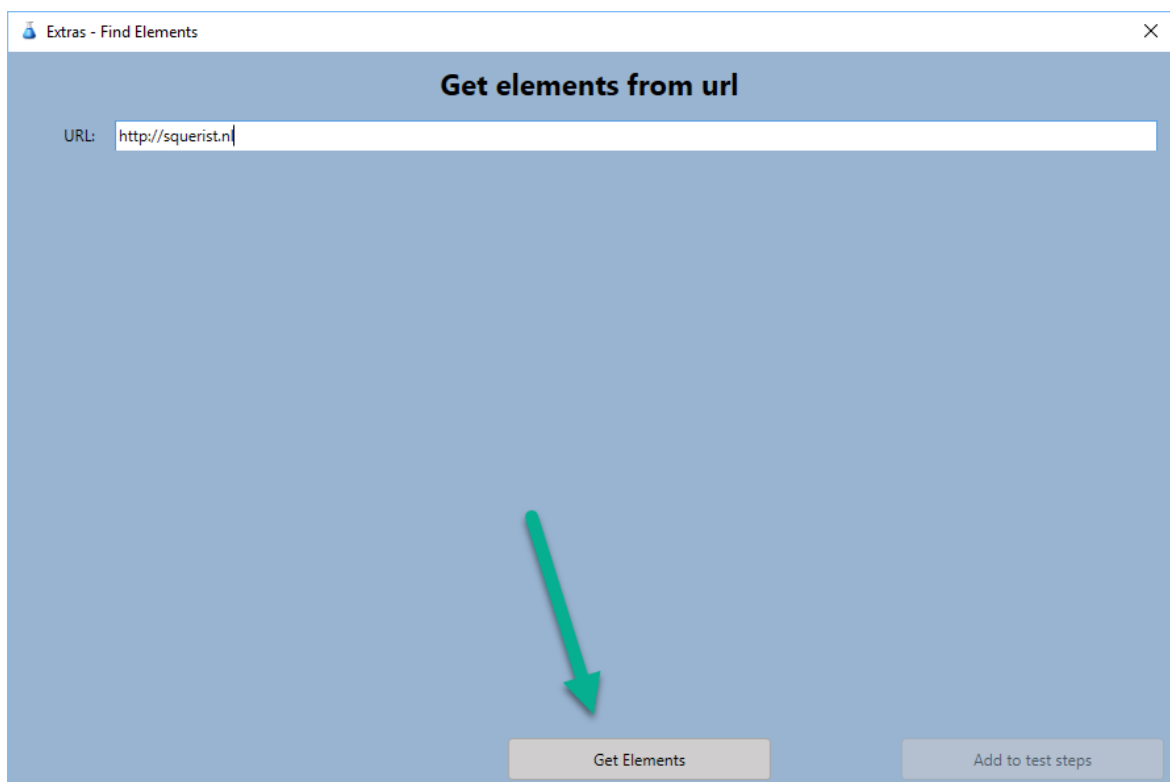


Steps:

- Fill in the URL you want to get the elements.



- Click the Get elements button.



The application will now get all the elements from the URL and put the data to the database.

Extras - Find Elements

Get elements from url

URL:

ID	Select	XPath	Tagname	Text	Class	Href
7084	<input type="checkbox"/>	/html/head/link[13]	link			http://squerist.nl/modules/m
7085	<input type="checkbox"/>	/html/head/link[14]	link			/modules/mod_ppc_simple_s
7086	<input type="checkbox"/>	/html/head/link[15]	link			http://squerist.nl/media/com
7087	<input type="checkbox"/>	/html/head/link[16]	link			http://squerist.nl/media/com
7088	<input type="checkbox"/>	/html/body/header/div/div/div/div[1]/a	a			/
7089	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[1]/a	a	Testen	item	/index.php?option=com_con
7090	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[2]/a	a	Proces	item	/index.php?option=com_con
7091	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[3]/a	a	Dit zijn wij	item	/index.php?option=com_con
7092	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[4]/a	a	Werken bij	item	/index.php?option=com_con
7093	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[5]/a	a	Blogs	item	/index.php?option=com_con
7094	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[6]/a	a	Contact	item	/index.php?option=com_con
7095	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[7]/a	a	Opleidingen	item	/index.php?option=com_con
7096	<input type="checkbox"/>	/html/body/div/div/div/div/div/p/img[1]	img			
7097	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[1]/img	img			
7098	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[1]/div/img	img			
7099	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[2]/img	img			
7100	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[3]/img	img			
7101	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[4]/img	img			
7102	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/div/p[1]/a	a			http://www.testautomatiede

Get Elements Add to test steps

- Click in the Select column on the elements you want to use in the test scenario

Extras - Find Elements

Get elements from url

URL:

ID	Select	XPath	Tagname	Text	Class	Href
7087	<input type="checkbox"/>	/html/head/link[16]	link			http://squerist.nl/media/com_uniterevol
7088	<input type="checkbox"/>	/html/body/header/div/div/div/div[1]/a	a			/
7089	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[1]/a	a	Testen	item	/index.php?option=com_content&v
7090	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[2]/a	a	Proces	item	/index.php?option=com_content&v
7091	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[3]/a	a	Dit zijn wij	item	/index.php?option=com_content&v
7092	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[4]/a	a	Werken bij	item	/index.php?option=com_content&v
7093	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[5]/a	a	Blogs	item	/index.php?option=com_content&v
7094	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[6]/a	a	Contact	item	/index.php?option=com_content&v
7095	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[7]/a	a	Opleidingen	item	/index.php?option=com_content&v
7096	<input type="checkbox"/>	/html/body/div/div/div/div/div/p/img[1]	img			
7097	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[1]/img	img			
7098	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[1]/div/img	img			
7099	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[2]/img	img			
7100	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[3]/img	img			
7101	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[4]/img	img			
7102	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/p[1]/a	a			http://www.testautomationday.com/
7103	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/p/a/img[1]	img			
7104	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/div[1]/h4/a	a	BI&Testen	icon-bar-chart	
7105	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/div[2]/h4/a	a	Procesmanagement	icon-book	

Test Case:

Get Elements Add to test steps

- Fill in the name of the Test Case in the Test Case textbox.

Extras - Find Elements

Get elements from url

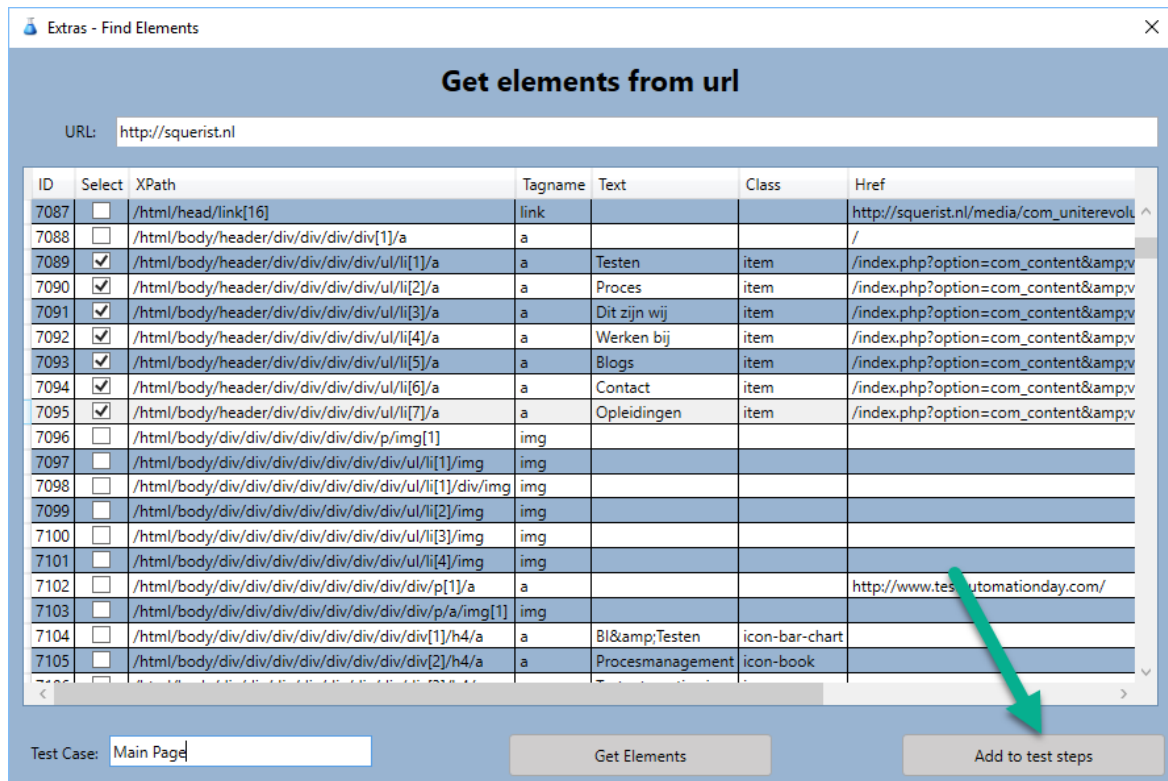
URL:

ID	Select	XPath	Tagname	Text	Class	Href
7087	<input type="checkbox"/>	/html/head/link[16]	link			http://squerist.nl/media/com_uniterevol
7088	<input type="checkbox"/>	/html/body/header/div/div/div/div[1]/a	a			/
7089	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[1]/a	a	Testen	item	/index.php?option=com_content&v
7090	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[2]/a	a	Proces	item	/index.php?option=com_content&v
7091	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[3]/a	a	Dit zijn wij	item	/index.php?option=com_content&v
7092	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[4]/a	a	Werken bij	item	/index.php?option=com_content&v
7093	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[5]/a	a	Blogs	item	/index.php?option=com_content&v
7094	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[6]/a	a	Contact	item	/index.php?option=com_content&v
7095	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[7]/a	a	Opleidingen	item	/index.php?option=com_content&v
7096	<input type="checkbox"/>	/html/body/div/div/div/div/div/p/img[1]	img			
7097	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[1]/img	img			
7098	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[1]/div/img	img			
7099	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[2]/img	img			
7100	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[3]/img	img			
7101	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/ul/li[4]/img	img			
7102	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/p[1]/a	a			http://www.testautomationday.com/
7103	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/p/a/img[1]	img			
7104	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/div[1]/h4/a	a	BI&Testen	icon-bar-chart	
7105	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/div[2]/h4/a	a	Procesmanagement	icon-book	

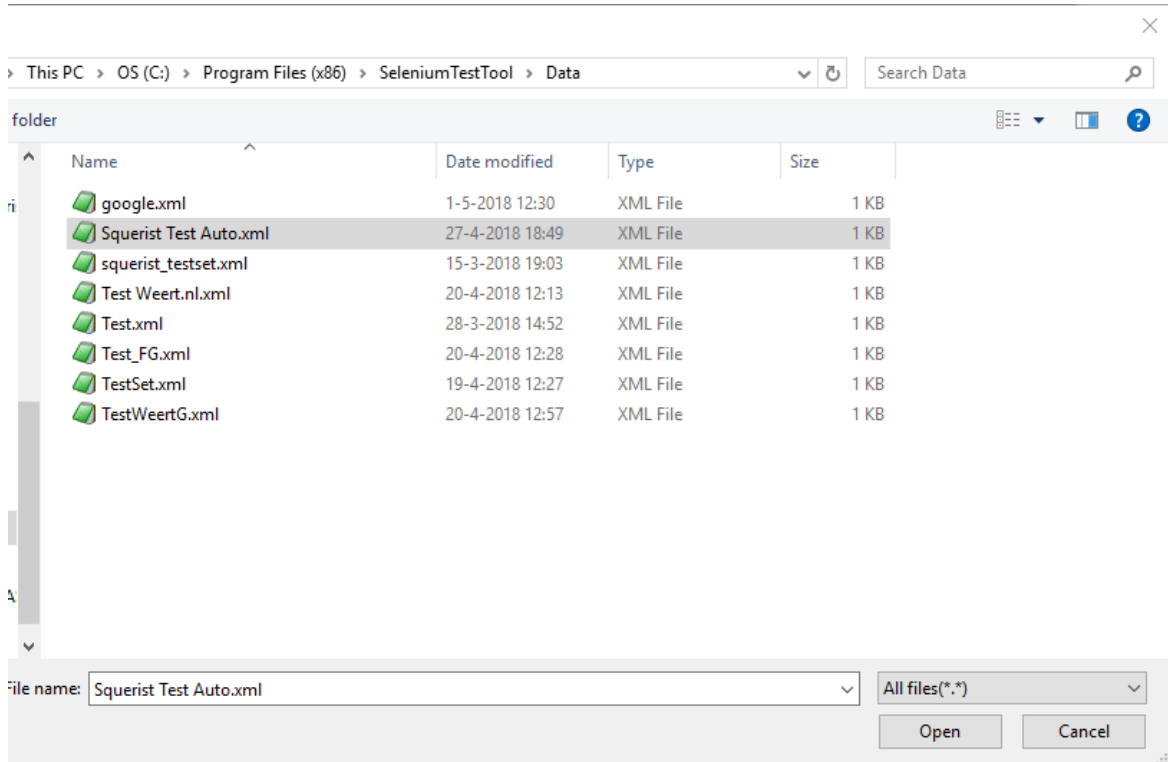
Test Case:

Get Elements Add to test steps

- Click the Add to test steps button



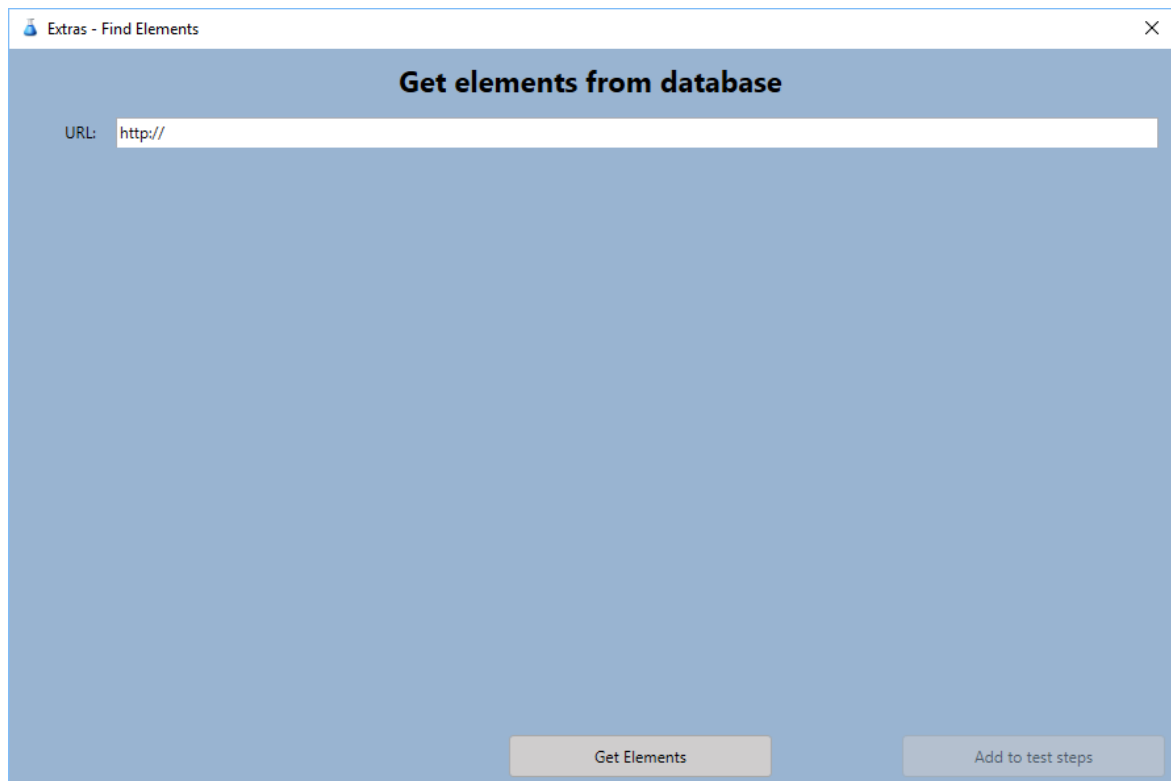
- Select the test scenario you want to add the elements to and click the Open button.



All the selected element are now added to the selected test scenario. You can check this by using the [Edit Test Steps](#) option.

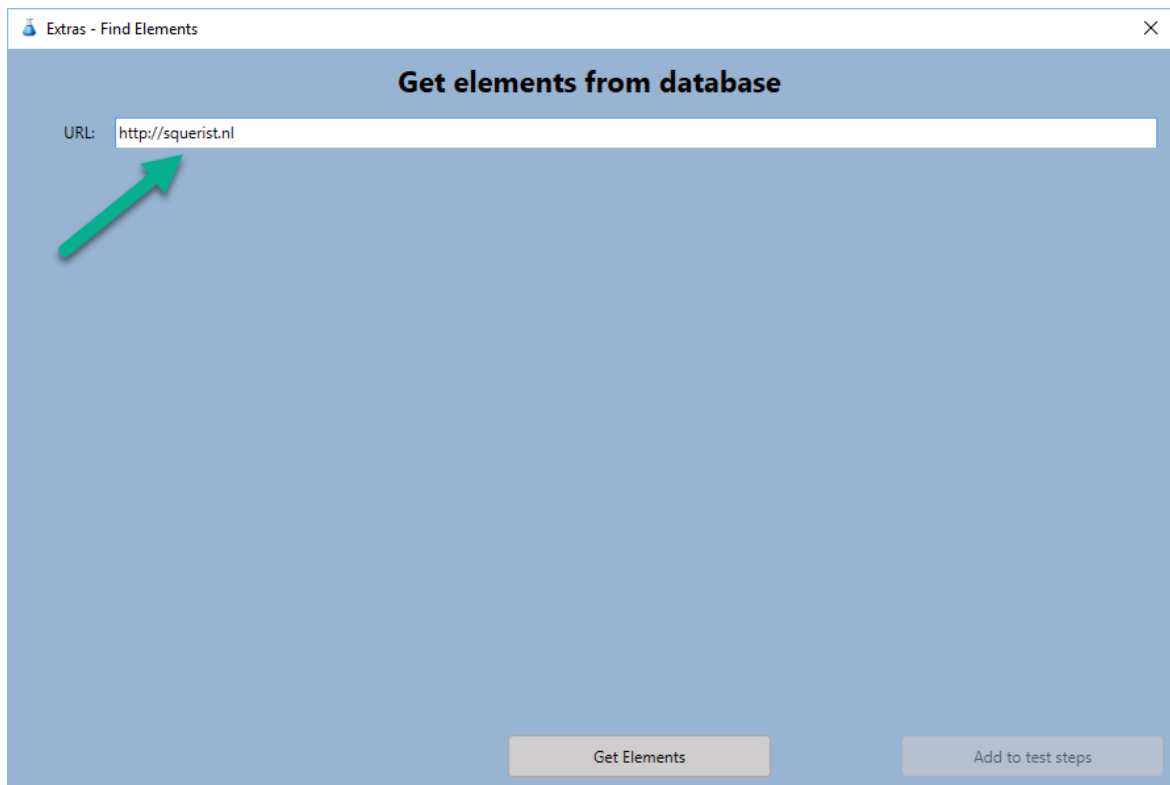
3.2 Elements Database

For getting the elements from the database select this option. You can do this by clicking on the menu option "Extras" and select Elements Database.

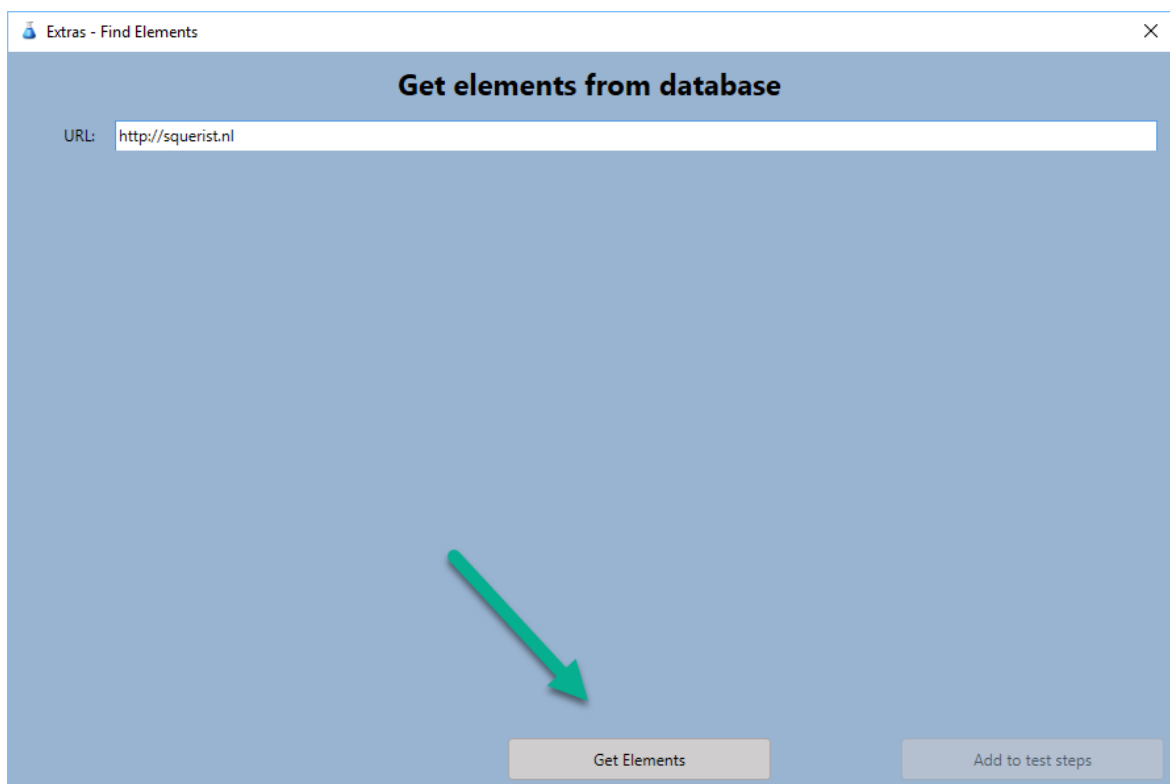


Steps:

- Fill in the URL you want to get the elements.



- Click the Get elements button.



The application will now get all the elements from the URL and put the data to the database.

Extras - Find Elements

Get elements from database

URL:

ID	Select	XPath	Tagname	Text	Class	Href
7072	<input type="checkbox"/>	/html/head/link[1]	link			/index.php?format=feed&type=rss
7073	<input type="checkbox"/>	/html/head/link[2]	link			/index.php?format=feed&type=atom
7074	<input type="checkbox"/>	/html/head/link[3]	link			/index.php?option=com_ajax&plugin=arkbootstrap&format=json
7075	<input type="checkbox"/>	/html/head/link[4]	link			/index.php?option=com_ajax&plugin=arktypography&format=json
7076	<input type="checkbox"/>	/html/head/link[5]	link			/cache/widgetkit/widgetkit-98fa28bb.css
7077	<input type="checkbox"/>	/html/head/link[6]	link			/templates/purityfx/css-compiled/menu-43de12bfe15f2b839bfa67a4
7078	<input type="checkbox"/>	/html/head/link[7]	link			/libraries/gantry/css/grid-responsive.css
7079	<input type="checkbox"/>	/html/head/link[8]	link			/templates/purityfx/css/grid-responsive.css
7080	<input type="checkbox"/>	/html/head/link[9]	link			/templates/purityfx/css-compiled/master-b303c1e5744d1b4f618d61
7081	<input type="checkbox"/>	/html/head/link[10]	link			/templates/purityfx/css-compiled/mediaqueries.css
7082	<input type="checkbox"/>	/html/head/link[11]	link			http://squerist.nl/media/editors/arkeditor/css/squeezebox.css
7083	<input type="checkbox"/>	/html/head/link[12]	link			/media/mod_social_slider/css/style.css
7084	<input type="checkbox"/>	/html/head/link[13]	link			http://squerist.nl/modules/mod_news_pro_gk4/interface/css/style.css
7085	<input type="checkbox"/>	/html/head/link[14]	link			/modules/mod_ppc_simple_spotlight/assets/css/style.css
7086	<input type="checkbox"/>	/html/head/link[15]	link			http://squerist.nl/media/com_uniterevolution/assets/rs-plugin/css/se
7087	<input type="checkbox"/>	/html/head/link[16]	link			http://squerist.nl/media/com_uniterevolution/assets/rs-plugin/css/ca
7088	<input type="checkbox"/>	/html/body/header/div/div/div/div[1]/a	a			/
7089	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[1]/a	a	Testen	item	/index.php?option=com_content&view=featured&Itemid=
7090	<input type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[2]/a	a	Proces	item	/index.php?option=com_content&view=featured&Itemid=

Get Elements

Add to test steps

- Click in the Select column on the elements you want to use in the test scenario

Extras - Find Elements

Get elements from database

URL:

ID	Select	XPath	Tagname	Text	Class	Href
7084	<input type="checkbox"/>	/html/head/link[13]	link			http://squerist.nl/modules/mod_news_pro_gk
7085	<input type="checkbox"/>	/html/head/link[14]	link			/modules/mod_ppc_simple_spotlight/assets/c
7086	<input type="checkbox"/>	/html/head/link[15]	link			http://squerist.nl/media/com_uniterrevolution/
7087	<input type="checkbox"/>	/html/head/link[16]	link			http://squerist.nl/media/com_uniterrevolution/
7088	<input type="checkbox"/>	/html/body/header/div/div/div/div[1]/a	a			/
7089	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[1]/a	a	Testen	item	/index.php?option=com_content&view=
7090	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[2]/a	a	Proces	item	/index.php?option=com_content&view=
7091	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[3]/a	a	Dit zijn wij	item	/index.php?option=com_content&view=
7092	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[4]/a	a	Werken bij	item	/index.php?option=com_content&view=
7093	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[5]/a	a	Blogs	item	/index.php?option=com_content&view=
7094	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[6]/a	a	Contact	item	/index.php?option=com_content&view=
7095	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[7]/a	a	Opleidingen	item	/index.php?option=com_content&view=
7096	<input type="checkbox"/>	/html/body/div/div/div/div/div/p/img[1]	img			
7097	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[1]/img	img			
7098	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[1]/div/img	img			
7099	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[2]/img	img			
7100	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[3]/img	img			
7101	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[4]/img	img			
7102	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/p[1]/a	a			http://www.testautomationday.com/

Test Case:

Get Elements Add to test steps

- Fill in the name of the Test Case in the Test Case textbox.

Extras - Find Elements

Get elements from database

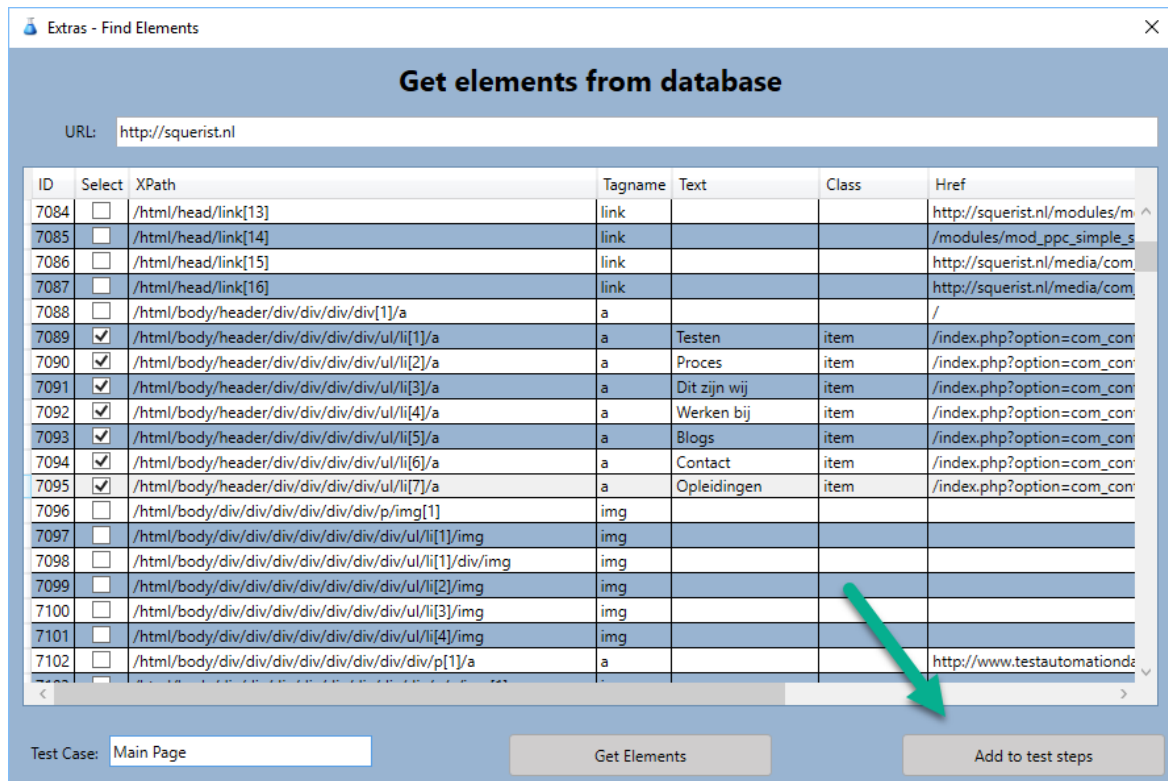
URL:

ID	Select	XPath	Tagname	Text	Class	Href
7084	<input type="checkbox"/>	/html/head/link[13]	link			http://squerist.nl/modules/m
7085	<input type="checkbox"/>	/html/head/link[14]	link			/modules/mod_ppc_simple_s
7086	<input type="checkbox"/>	/html/head/link[15]	link			http://squerist.nl/media/com
7087	<input type="checkbox"/>	/html/head/link[16]	link			http://squerist.nl/media/com
7088	<input type="checkbox"/>	/html/body/header/div/div/div/div[1]/a	a			/
7089	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[1]/a	a	Testen	item	/index.php?option=com_con
7090	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[2]/a	a	Proces	item	/index.php?option=com_con
7091	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[3]/a	a	Dit zijn wij	item	/index.php?option=com_con
7092	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[4]/a	a	Werken bij	item	/index.php?option=com_con
7093	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[5]/a	a	Blogs	item	/index.php?option=com_con
7094	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[6]/a	a	Contact	item	/index.php?option=com_con
7095	<input checked="" type="checkbox"/>	/html/body/header/div/div/div/div/ul/li[7]/a	a	Opleidingen	item	/index.php?option=com_con
7096	<input type="checkbox"/>	/html/body/div/div/div/div/div/p/img[1]	img			
7097	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[1]/img	img			
7098	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[1]/div/img	img			
7099	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[2]/img	img			
7100	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[3]/img	img			
7101	<input type="checkbox"/>	/html/body/div/div/div/div/div/ul/li[4]/img	img			
7102	<input type="checkbox"/>	/html/body/div/div/div/div/div/div/p[1]/a	a			http://www.testautomationde

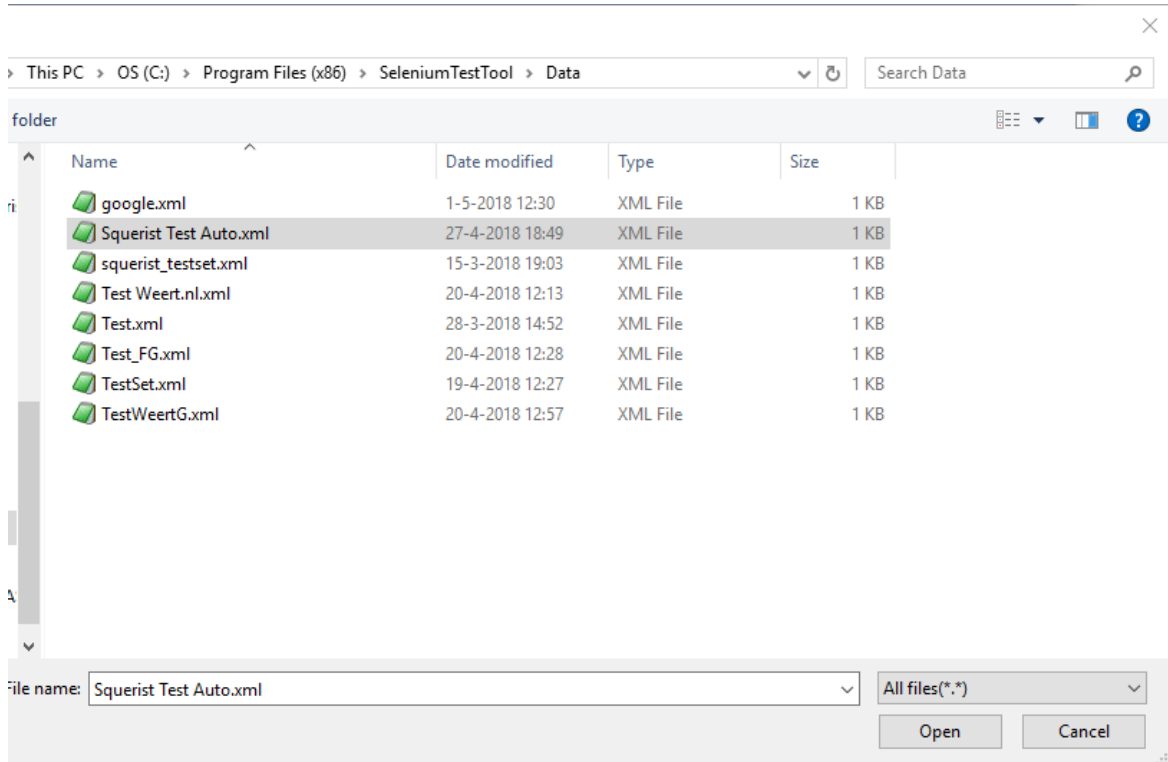
Test Case:

Get Elements Add to test steps

- Click the Add to test steps button



- Select the test scenario you want to add the elements to and click the Open button.



All the selected element are now added to the selected test scenario. You can check this by using the [Edit Test Steps](#) option.

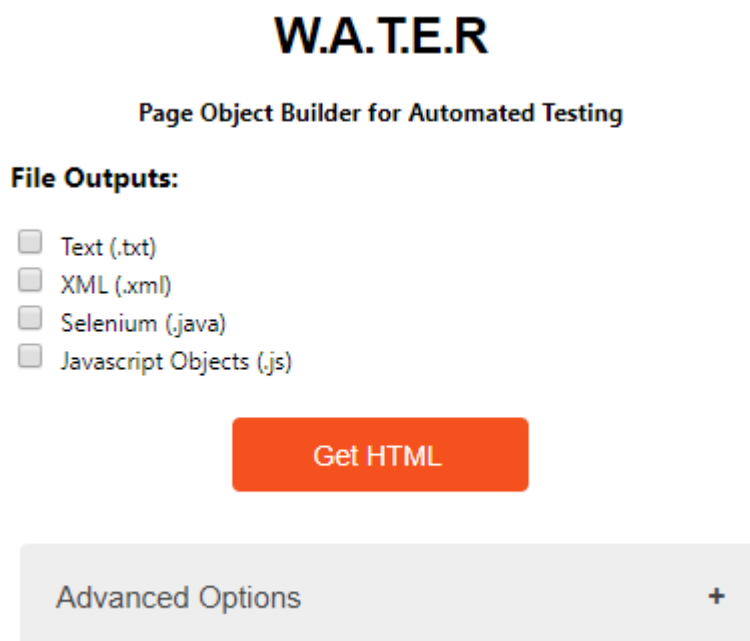
4 Bulk Changes

For Bulk Changes there are 3 options:

- [Import Elements](#)
- [Copy Elements](#)
- [Delete Elements](#)

4.1 Import Elements

To get all the elements off a website, there are several addons to get the elements in a file. For instance in an XML file. The W.A.T.E.R. add on for Chrome is a good example.



To use this add on do the following steps:

- Open Chrome
- Type the correct url for the site you want to get the elements
- Open the W.A.T.E.R. addon
- Select the XML (.xml) option

W.A.T.E.R

Page Object Builder for Automated Testing

File Outputs:

- ☐ Text (.txt)
- ☒ XML (.xml)
- ☐ Selenium (.java)
- ☐ Javascript Objects (.js)

Get HTML

Advanced Options



- Click the button 'Get HTML'

W.A.T.E.R

Page Object Builder for Automated Testing

File Outputs:

- ☐ Text (.txt)
- ☒ XML (.xml)
- ☐ Selenium (.java)
- ☐ Javascript Objects (.js)

Get HTML

Advanced Options

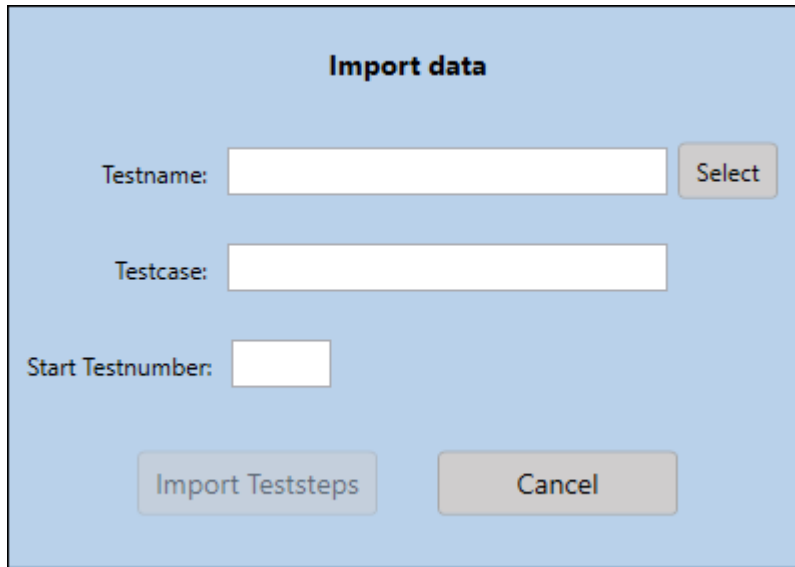


W.A.T.E.R. will create an XML file and put that in the download directory.

To get all the elements in the test scenario follow the step below:

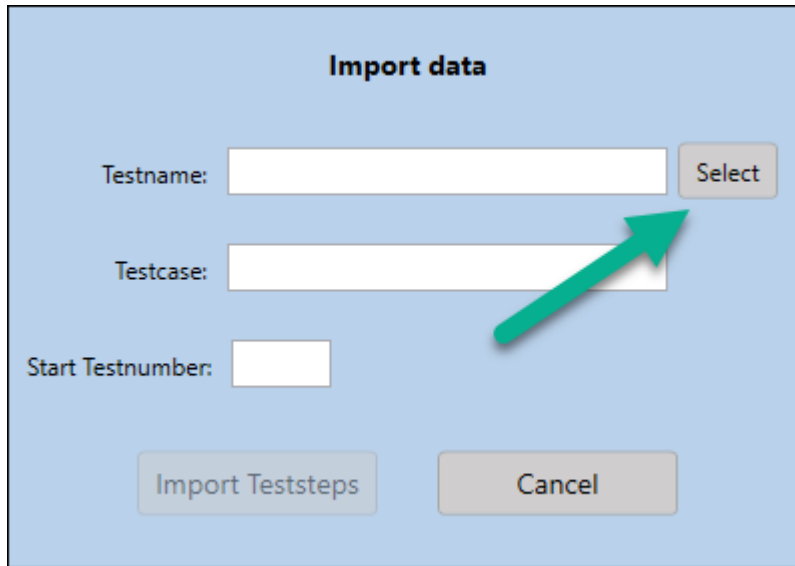
Steps:

- Open the Import Elements option in the Bulk Changes Menu.



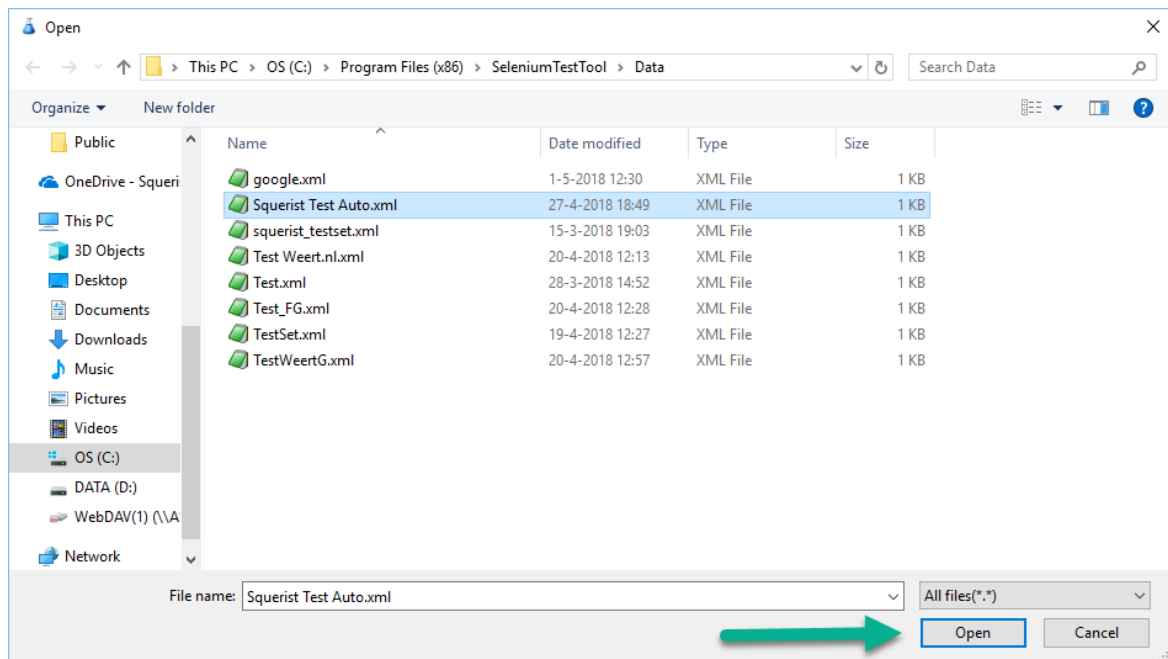
The screenshot shows a dialog box titled "Import data" with a light blue background. It contains three input fields: "Testname:" with a text box and a "Select" button to its right, "Testcase:" with a text box, and "Start Testnumber:" with a text box. At the bottom, there are two buttons: "Import Teststeps" and "Cancel".

- Click the Select button to select one of the available test scenarios.



This screenshot is identical to the previous one, but with a large green arrow pointing from the bottom right towards the "Select" button next to the "Testname:" field.

- Select one of the XML files and click the Open button

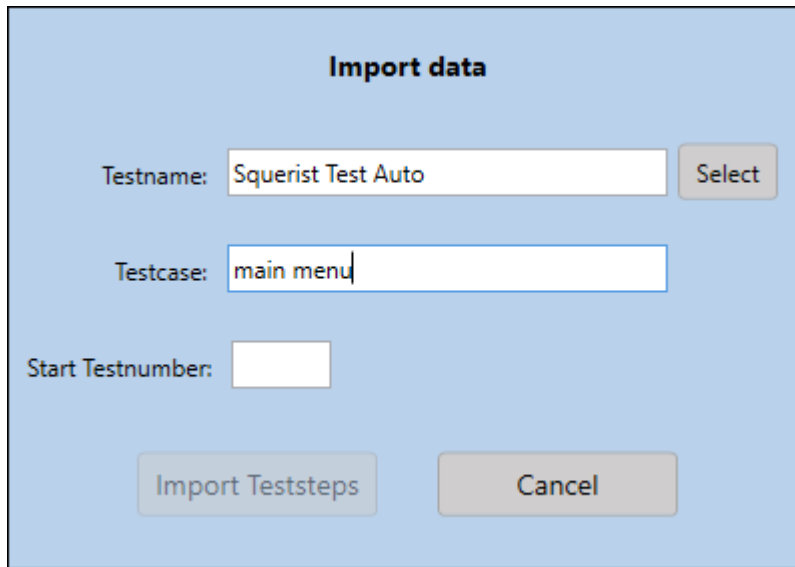


- The Testname is filled in with the selected test scenario name.

The 'Import data' dialog box has the following fields and buttons:

- Testname:** A text box containing 'Squerist Test Auto' and a 'Select' button.
- Testcase:** An empty text box.
- Start Testnumber:** An empty text box.
- Buttons:** 'Import Teststeps' (highlighted) and 'Cancel'.

- Type the Testcase name in the Testcase textbox



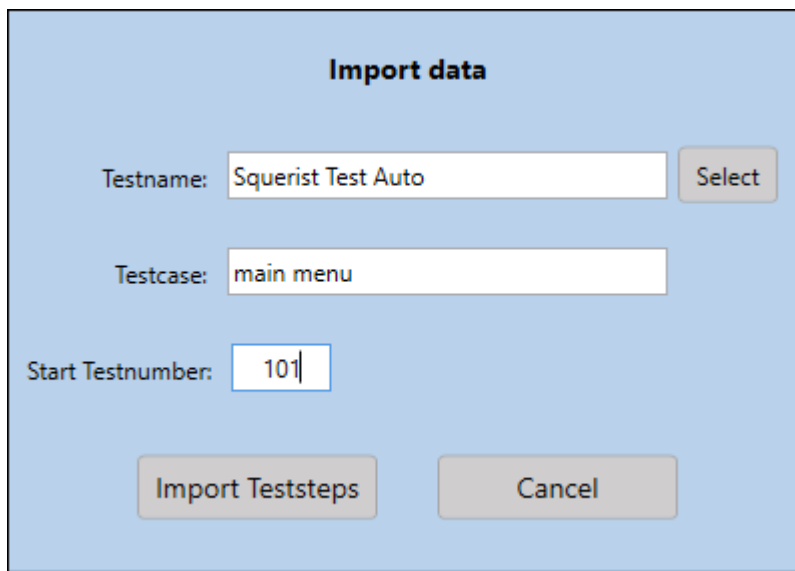
Import data

Testname:

Testcase:

Start Testnumber:

- Fill in the Start Testnumber value in the Start Testnumber textbox.



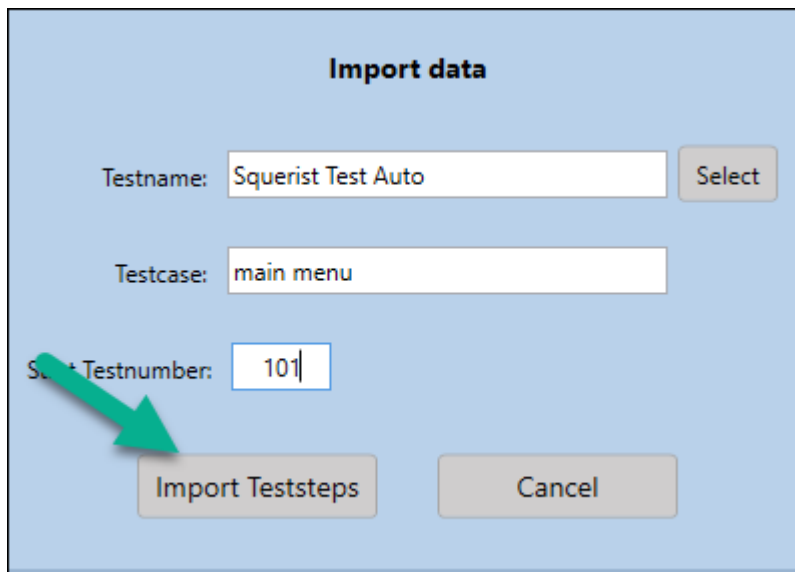
Import data

Testname:

Testcase:

Start Testnumber:

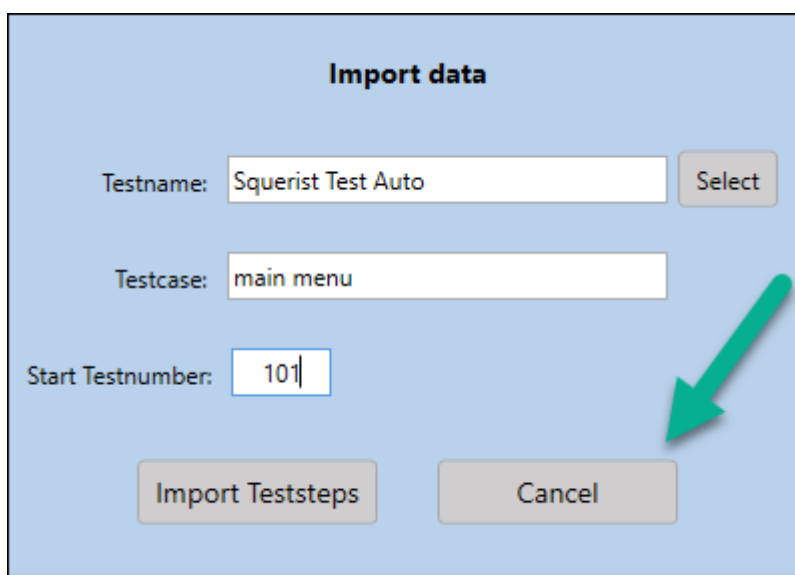
- Now it will be possible to use the Import Teststeps button



The screenshot shows a dialog box titled "Import data" with a light blue background. It contains three input fields: "Testname:" with the value "Squerist Test Auto", "Testcase:" with the value "main menu", and "Start Testnumber:" with the value "101". To the right of the "Testname:" field is a "Select" button. At the bottom are two buttons: "Import Teststeps" and "Cancel". A green arrow points from the left towards the "Import Teststeps" button.

After clicking Import Teststeps button all the data will be put in the database for later use.

If the user want to terminate this action, he of she can click the Cancel button.



This screenshot is identical to the one above, showing the "Import data" dialog box with the same input fields and buttons. However, a green arrow points from the right towards the "Cancel" button.

4.2 Copy Elements

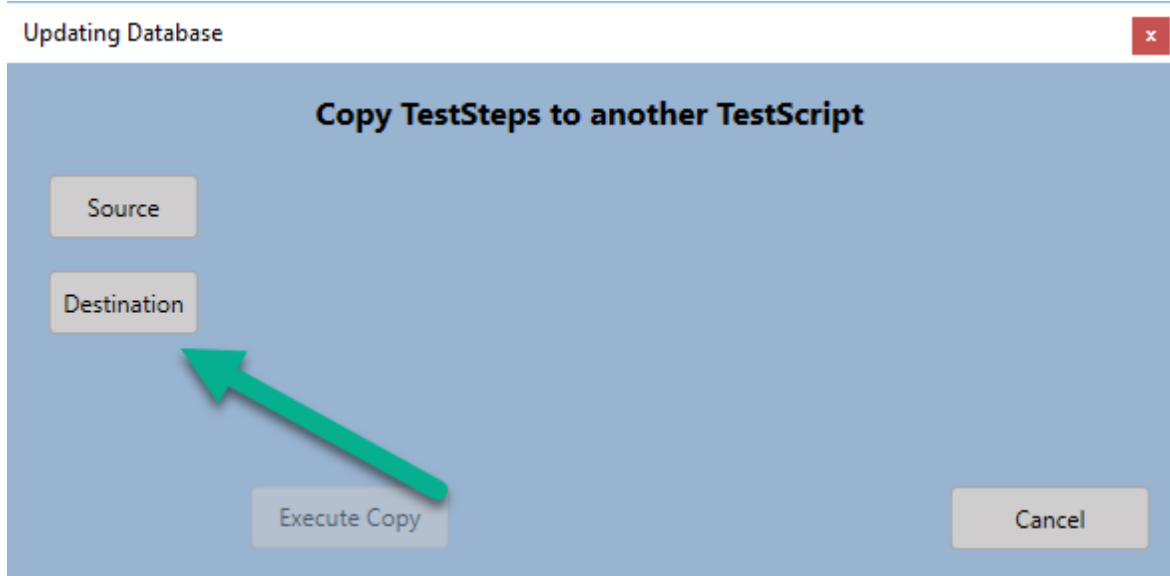
After testing a smaller part of the test steps it will be possible to put the test step from the smaller test scenario into another test scenario. For doing this you can use the following option:

Steps:

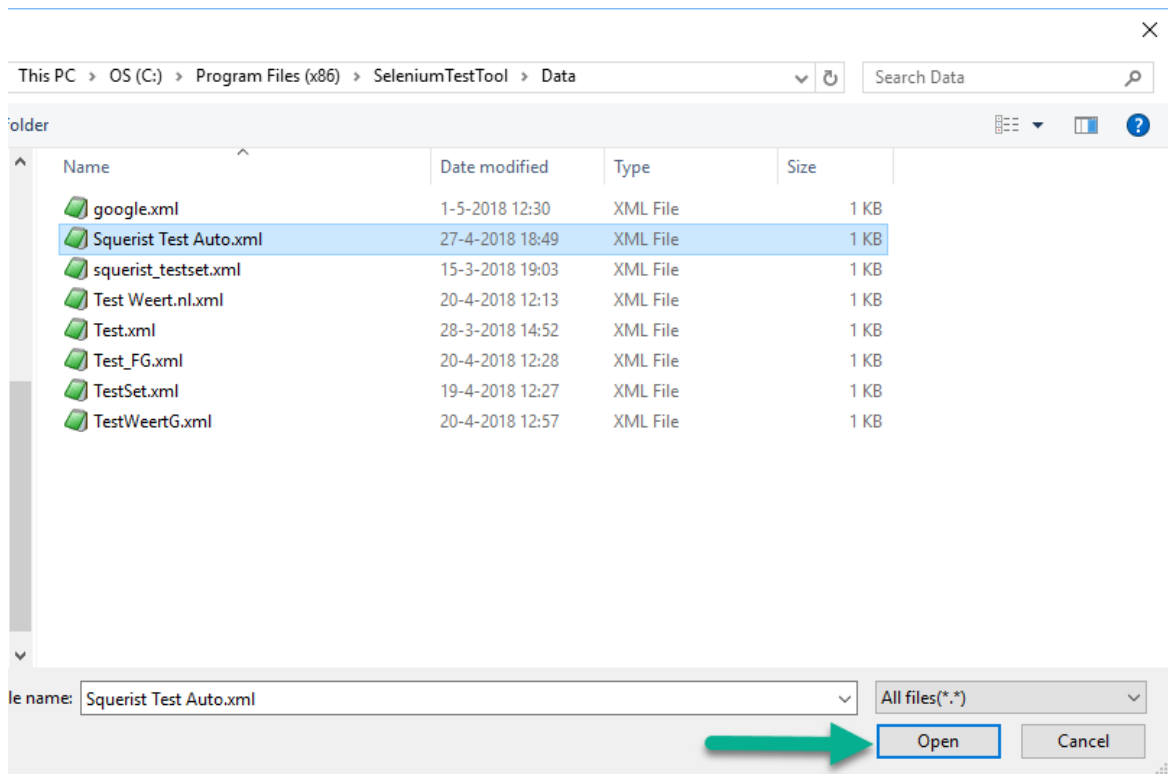
- Open the Copy Elements option in the Bulk Changes Menu.



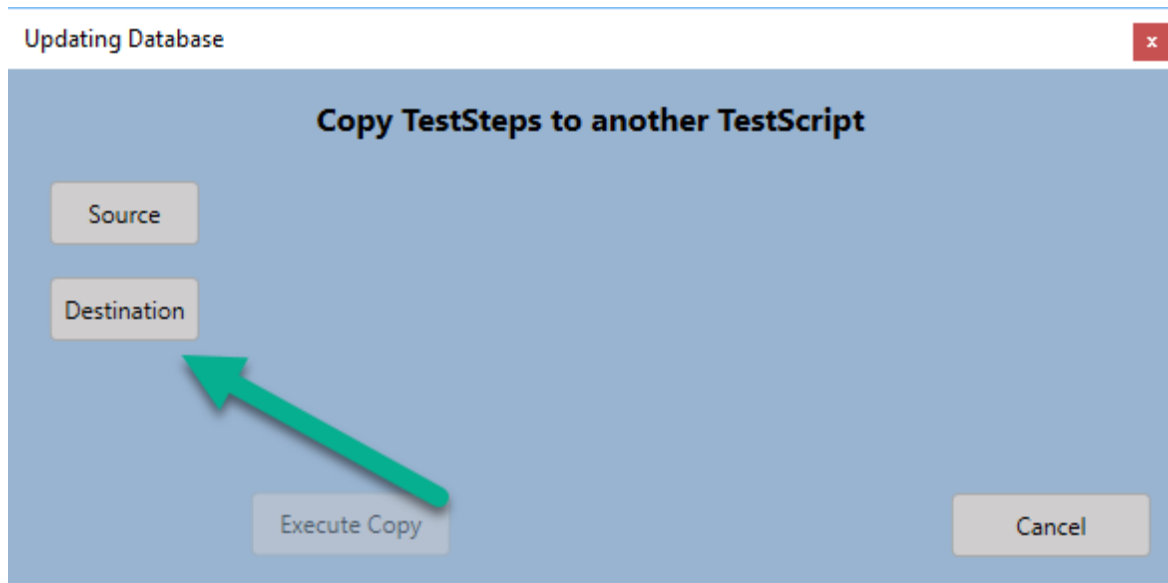
- Click the Source button to select the test scenario which elements you want to copy.



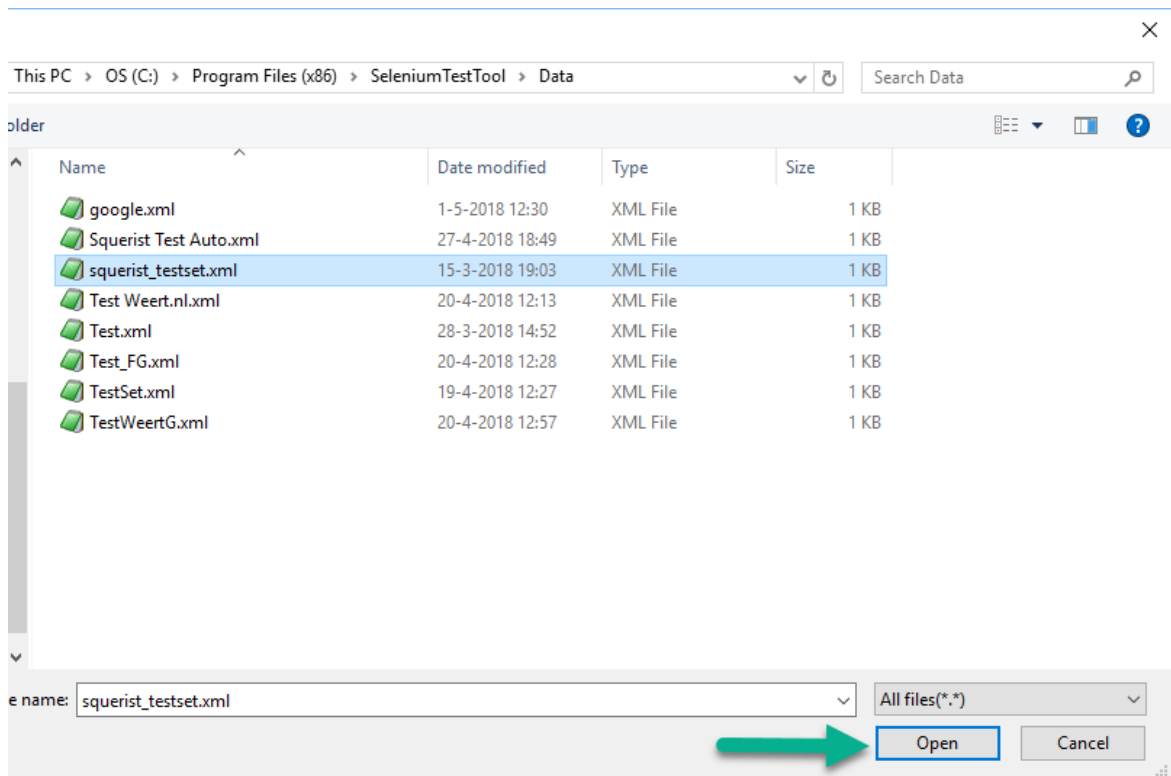
- Select an XML file with the test script you want to use and click the Open button



- Click the Destination button to select the test scenario which elements you want to copy.



- Select an XML file with the test script you want to use and click the Open button



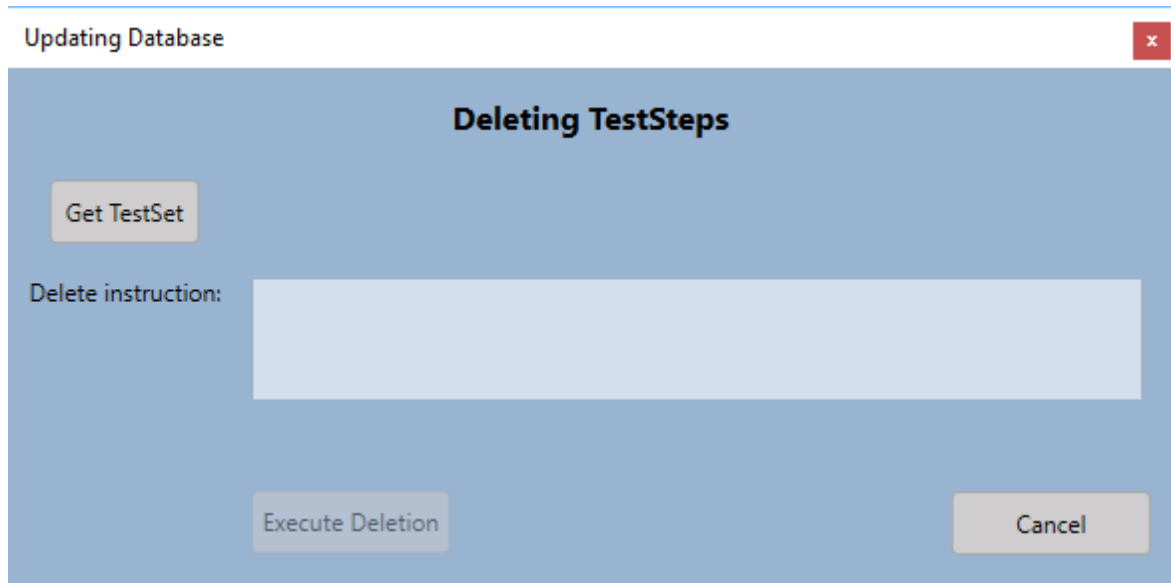
-

4.3 Delete Elements

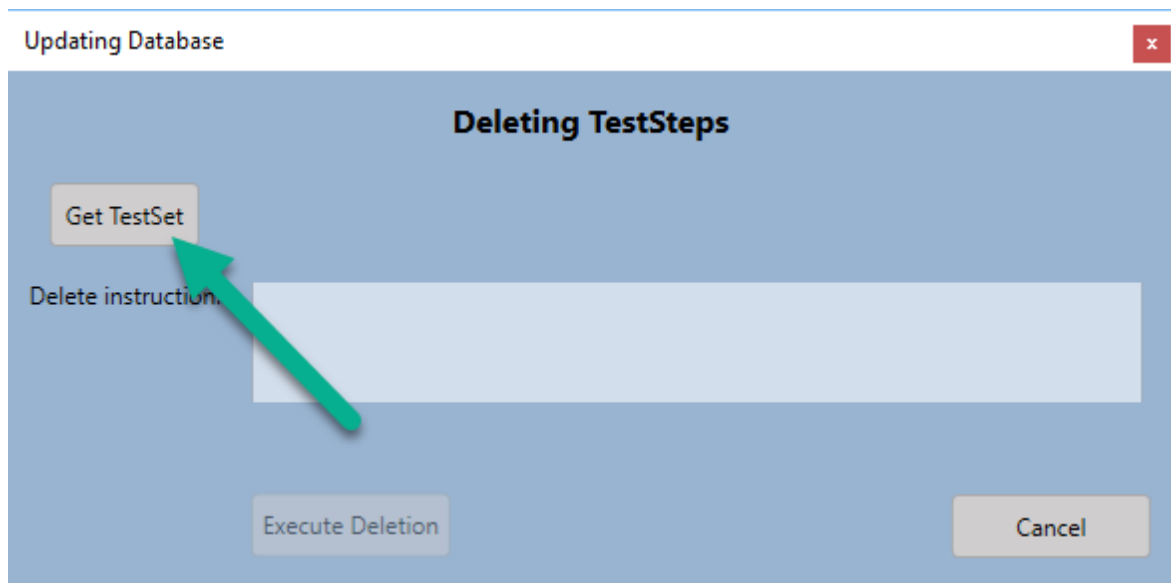
When there are too much test steps it is also possible to delete test steps with the bulk option. For doing this you can use the following option:

Steps:

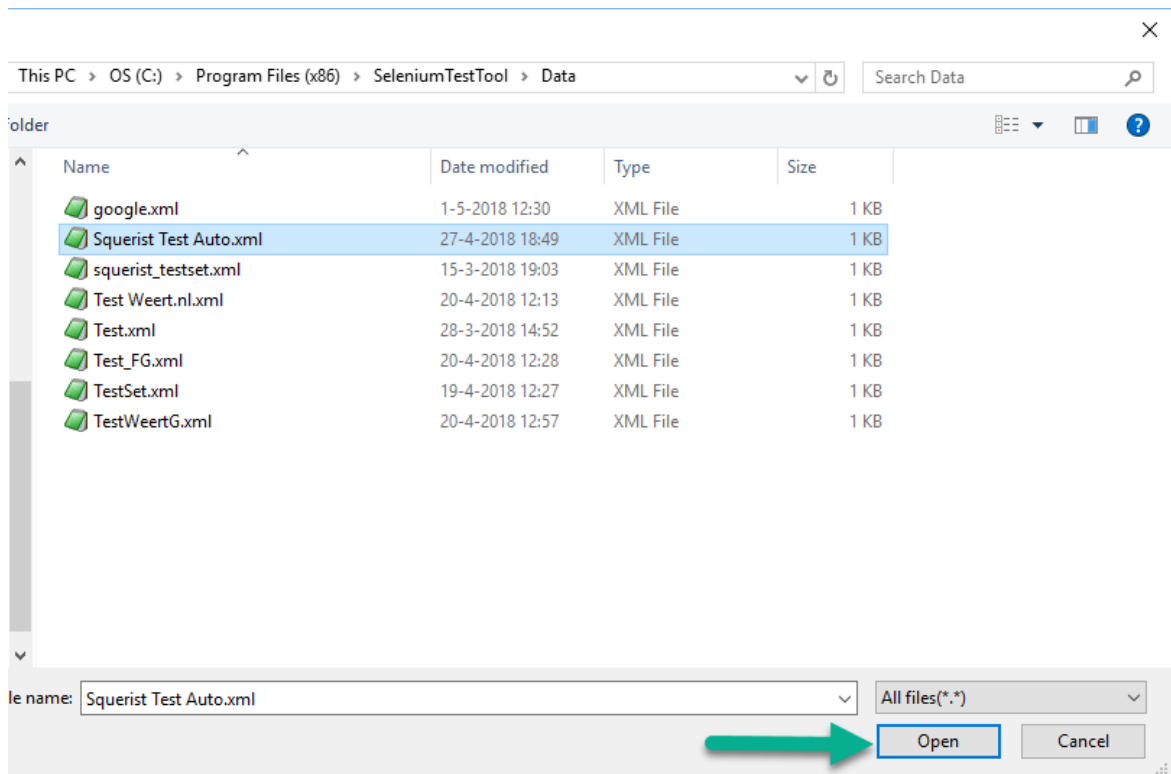
- Open the Delete Elements option in the Bulk Changes Menu.



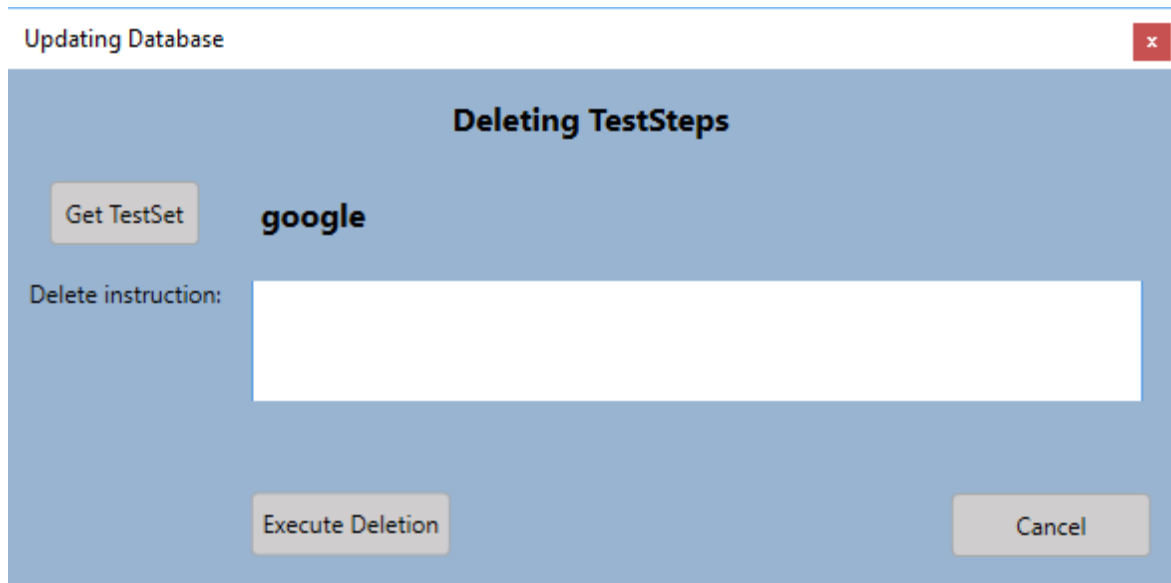
- Click the Get TestSet button to select the test scenario which elements you want to copy.



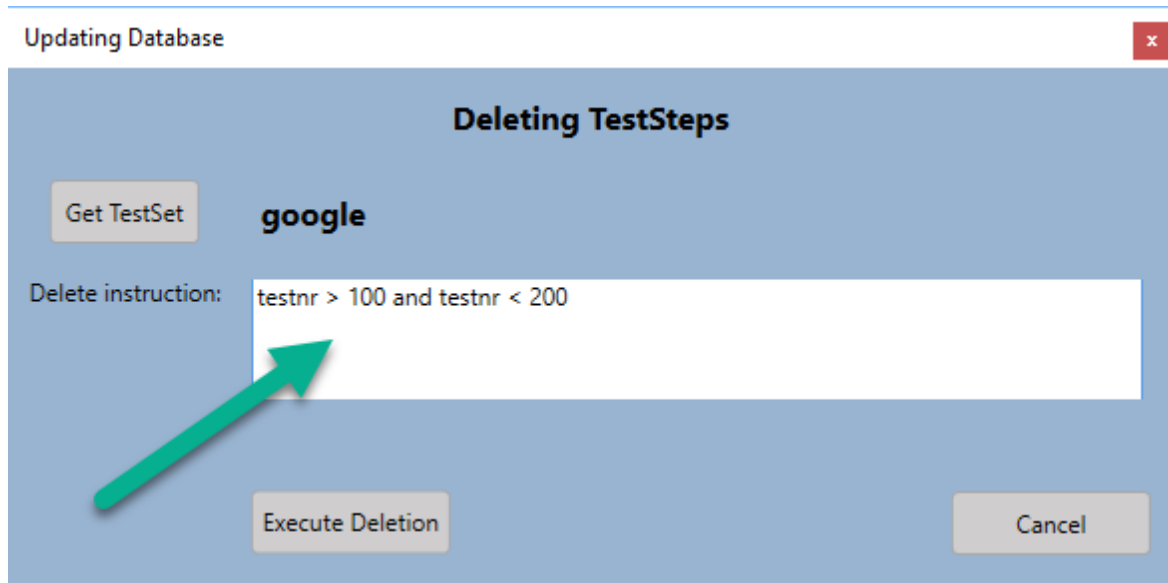
- Select an XML file with the test script you want to use and click the Open button



- The Delete instruction text box will be available and the user can fill in the delete instruction.

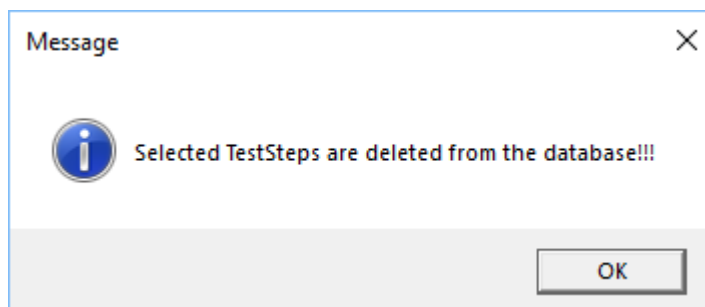


- For instance 'testnr > 100 and testnr < 200'



- When there is some text in the Delete instruction text box, the Execute Deletion button will be available and the user can execute the instruction. After clicking the Execute Deletion button the test steps will be deleted from the table in the database.

After that the application will show a message box.



5 Edit Test Steps

All the test steps for the selected test scenario can be edit. You can add test steps or edit or even delete test step. We will explain how you can do that.

Selenium Test Tool - Test Steps (Version: 1.5.0.0)

Show Test Cases XML File:

TestName: Attribute: Url:

TestNr: Action: Switch:

TestCase: Text: Check Text:

Element: Execute:

Nr	Testcase	Element	Attribute	Action	Text	url
----	----------	---------	-----------	--------	------	-----

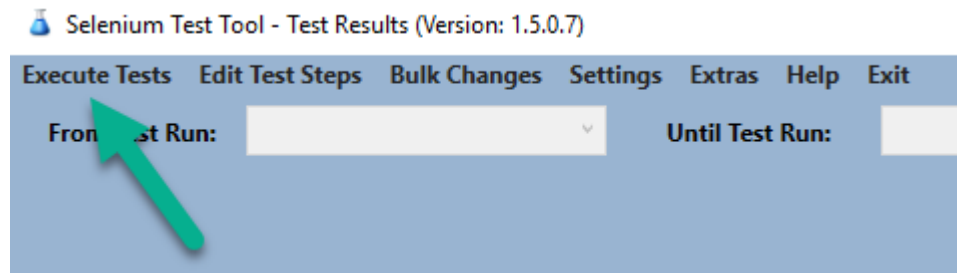
Total Teststeps: 0 Close

6 Test Execution

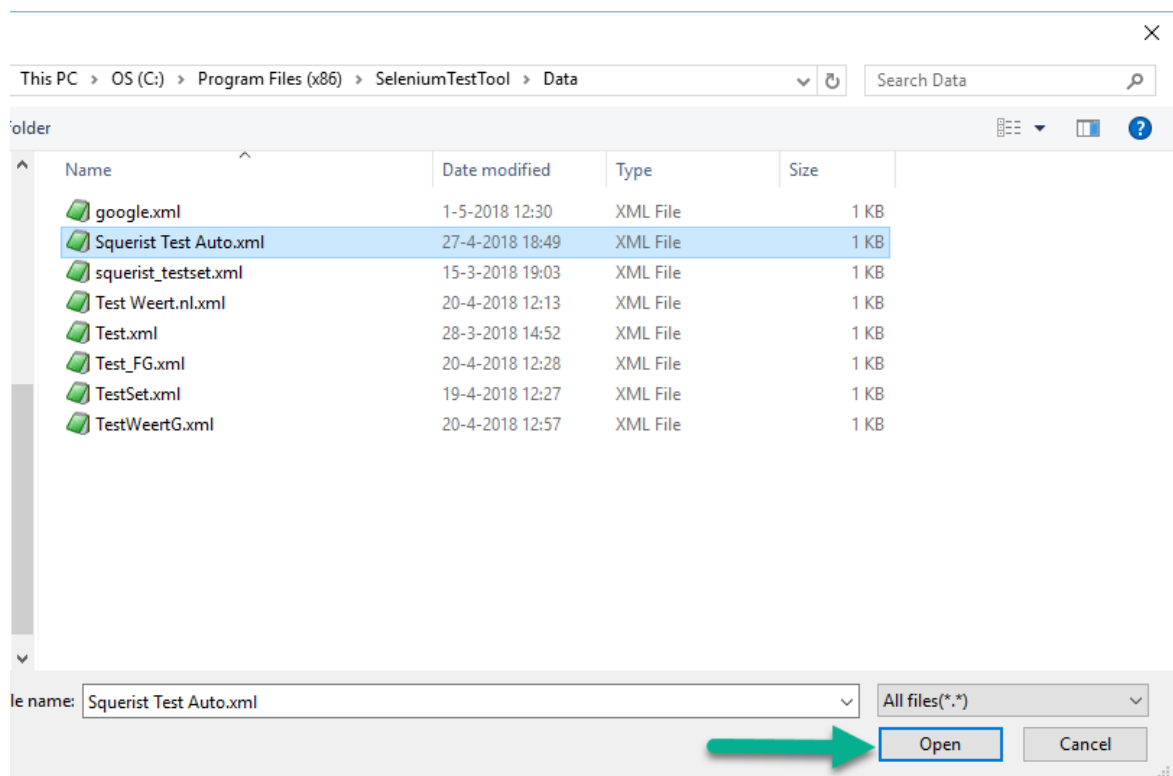
For test execution it is needed that there is at least 1 test scenario. Otherwise the menu option for Execute Test will be disabled.

For Test Execution the user has to do the following steps:

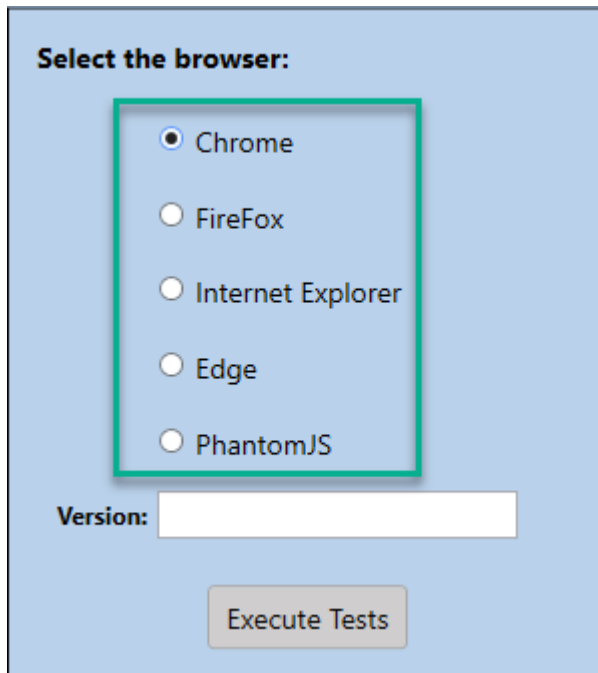
- Click on the Execution Menu



- Select the test to be execute and click the Open button



- Click on one of the five radio button for selecting a browser



Select the browser:

☒ Chrome

☐ FireFox

☐ Internet Explorer

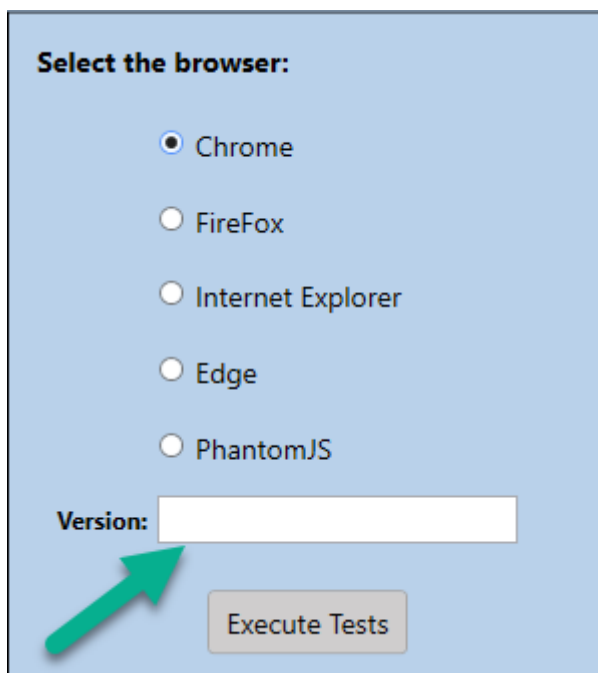
☐ Edge

☐ PhantomJS

Version:

Execute Tests

- Fill in the version of the app that will be tested. This opportunity is optional.



Select the browser:

☒ Chrome

☐ FireFox

☐ Internet Explorer

☐ Edge

☐ PhantomJS

Version:

Execute Tests

- Click the Execute Test button

Select the browser:

☒ Chrome


☐ FireFox

☐ Internet Explorer

☐ Edge

☐ PhantomJS

Version:



After the test execution all the test results are visible in the Main Window:

Selenium Test Tool - Test Results (Version: 1.5.0.7)

Execute Tests Edit Test Steps Bulk Changes Settings Extras Help Exit

From Test Run: 1719 2018-06-18 13:28:56 Until Test Run: 1719 2018-06-18 13:28:56 Application: Squerist Test Auto

Testrun	Test	Testcase	Element	attribute	Result
1719	1	Hoofdmenu	/html/head/link[1]	xpath	OK
1719	2	Hoofdmenu	/html/head/link[2]	xpath	OK
1719	3	Hoofdmenu	/html/head/link[3]	xpath	OK
1719	4	Hoofdmenu	/html/head/link[4]	xpath	OK
1719	5	Hoofdmenu	/html/head/link[5]	xpath	OK
1719	6	Hoofdmenu	/html/head/link[6]	xpath	OK
1719	107	Hoofdpagina	/html/body/header/div/div/div/ul/li[1]/a	xpath	OK
1719	108	Hoofdpagina	/html/body/header/div/div/div/ul/li[2]/a	xpath	OK
1719	109	Hoofdpagina	/html/body/header/div/div/div/ul/li[3]/a	xpath	OK
1719	110	Hoofdpagina	/html/body/header/div/div/div/ul/li[4]/a	xpath	OK
1719	111	Hoofdpagina	/html/body/header/div/div/div/ul/li[5]/a	xpath	OK
1719	112	Hoofdpagina	/html/body/header/div/div/div/ul/li[6]/a	xpath	OK
1719	113	Hoofdpagina	/html/body/header/div/div/div/ul/li[7]/a	xpath	OK
1719	114	Hoofdmenu	//*[id='rt-header']/div[1]/div[2]/div/ul/li[1]/a	xpath	OK
1719	115	Hoofdpagina	/html/body/div/div/div/div/div/div/div[1]/h4/a	xpath	OK
1719	116	Hoofdpagina	/html/body/div/div/div/div/div/div/div[2]/h4/a	xpath	OK
1719	117	Hoofdpagina	/html/body/div/div/div/div/div/div/div[3]/h4/a	xpath	OK
1719	118	Hoofdpagina	/html/body/div/div/div/div/div/div/div[4]/h4/a	xpath	OK
1719	119	Hoofdpagina	/html/head/link[10]	xpath	OK
1719	120	Hoofdpagina	/html/head/link	xpath	OK
1719	121	Hoofdpagina	/html/head/link[3]	xpath	OK
1719	122	Hoofdpagina	/html/head/link[4]	xpath	OK
1719	123	Hoofdpagina	/html/head/link[5]	xpath	OK
1719	124	Hoofdpagina	/html/head/link[6]	xpath	OK
1719	125	Hoofdpagina	/html/head/link[7]	xpath	OK
1719	126	Hoofdpagina	/html/head/link[8]	xpath	OK
1719	127	Hoofdpagina	/html/head/link[9]	xpath	OK
1719	128	Hoofdpagina	/html/head/link[2]	xpath	OK
1719	129	Hoofdpagina	/html/head/link[11]	xpath	OK
1719	130	Hoofdpagina	/html/head/link[12]	xpath	OK
1719	131	Hoofdpagina	/html/head/link[15]	xpath	OK
1719	132	Hoofdpagina	/html/head/link[13]	xpath	OK

Passed: 143 Failed: 3 Total Tests: 146 00:07:31.1239166 Show HTML Page

7 Test Results

All the test results are stored in the MySQL database and can be showed if the user select this.

At first, after selection the start test run and the until test run, the test results are visible in a data grid.

Selenium Test Tool - Test Results (Version: 1.5.0.7)

Execute Tests Edit Test Steps Bulk Changes Settings Extras Help Exit

From Test Run: 1719 2018-06 18 13:28:56 Until Test Run: 1719 2018-06 18 13:28:56 Application: Squerist Test Auto

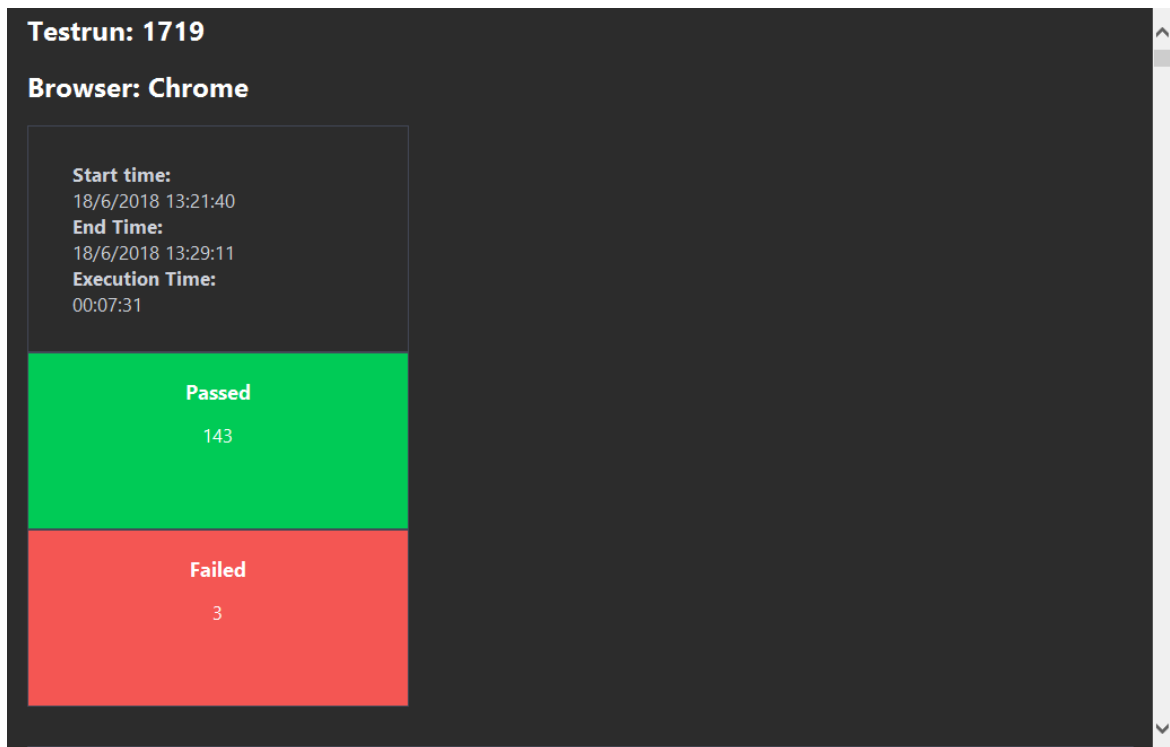
Testrun	Test	Testcase	Element	attribute	Result
1719	1	Hoofdmenu	/html/head/link[1]	xpath	OK
1719	2	Hoofdmenu	/html/head/link[2]	xpath	OK
1719	3	Hoofdmenu	/html/head/link[3]	xpath	OK
1719	4	Hoofdmenu	/html/head/link[4]	xpath	OK
1719	5	Hoofdmenu	/html/head/link[5]	xpath	OK
1719	6	Hoofdmenu	/html/head/link[6]	xpath	OK
1719	107	Hoofdpagina	/html/body/header/div/div/div/div/li[1]/a	xpath	OK
1719	108	Hoofdpagina	/html/body/header/div/div/div/div/li[2]/a	xpath	OK
1719	109	Hoofdpagina	/html/body/header/div/div/div/div/li[3]/a	xpath	OK
1719	110	Hoofdpagina	/html/body/header/div/div/div/div/li[4]/a	xpath	OK
1719	111	Hoofdpagina	/html/body/header/div/div/div/div/li[5]/a	xpath	OK
1719	112	Hoofdpagina	/html/body/header/div/div/div/div/li[6]/a	xpath	OK
1719	113	Hoofdpagina	/html/body/header/div/div/div/div/li[7]/a	xpath	OK
1719	114	Hoofdmenu	//*[id= 'rt-header']/div[1]/div[2]/div/li[1]/a	xpath	OK
1719	115	Hoofdpagina	/html/body/div/div/div/div/div/div/div[1]/h4/a	xpath	OK
1719	116	Hoofdpagina	/html/body/div/div/div/div/div/div/div[2]/h4/a	xpath	OK
1719	117	Hoofdpagina	/html/body/div/div/div/div/div/div/div[3]/h4/a	xpath	OK
1719	118	Hoofdpagina	/html/body/div/div/div/div/div/div/div[4]/h4/a	xpath	OK
1719	119	Hoofdpagina	/html/head/link[10]	xpath	OK
1719	120	Hoofdpagina	/html/head/link	xpath	OK
1719	121	Hoofdpagina	/html/head/link[3]	xpath	OK
1719	122	Hoofdpagina	/html/head/link[4]	xpath	OK
1719	123	Hoofdpagina	/html/head/link[5]	xpath	OK
1719	124	Hoofdpagina	/html/head/link[6]	xpath	OK
1719	125	Hoofdpagina	/html/head/link[7]	xpath	OK
1719	126	Hoofdpagina	/html/head/link[8]	xpath	OK
1719	127	Hoofdpagina	/html/head/link[9]	xpath	OK
1719	128	Hoofdpagina	/html/head/link[2]	xpath	OK
1719	129	Hoofdpagina	/html/head/link[11]	xpath	OK
1719	130	Hoofdpagina	/html/head/link[12]	xpath	OK
1719	131	Hoofdpagina	/html/head/link[15]	xpath	OK
1719	132	Hoofdpagina	/html/head/link[13]	xpath	OK

Passed: 143 Failed: 3 Total Tests: 146 00:07:31.1239166 Show HTML Page

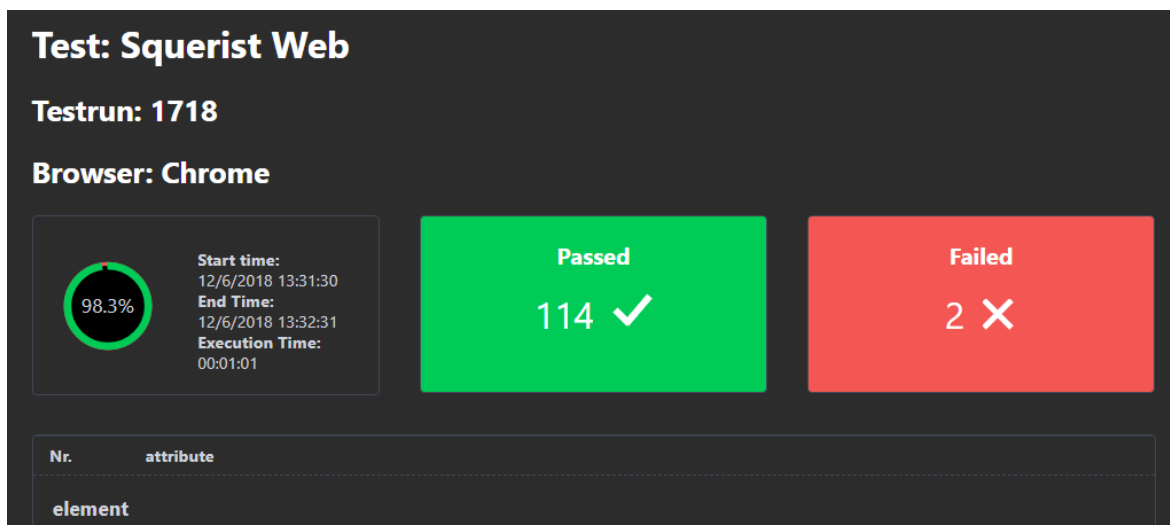
Also it is possible to show the test results in a HTML page. For this the user can click the Show HTML Page button.



Clicking this button will result in the following overview:



Also is possible to show the test results on the web. For this go to the TestReports directory and you can find all the test results in HTML format.



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