



Selenium

Module 3



Selenium IDE



- Add-on to Chrome(ium), Firefox, Internet Explorer, Opera, and Safari*.
- Easy to use.
- Records user actions on Web pages.
- replays recorded scripts.
- Allows for adding verification points.
- Has no variables, functions nor control flow structures.
- Finds sensible locators.

QA Selenium IDE screenshot

Selenium IDE - QA_TEST*

Project: QA_TEST*

Tests +

Search tests...

Untitled*

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⌂⏸REC

http://automationpractice.com

	Command	Target	Value
1	open	/index.php	
2	set window size	1306x710	
3	click	css=#homefeatured > .ajax_block_product:nth-child(1) .button:nth-child(1) >...	

Command

open

//

⌂

Target

/index.php

⌂

🔍

Value

Description

Log

Reference

⊘

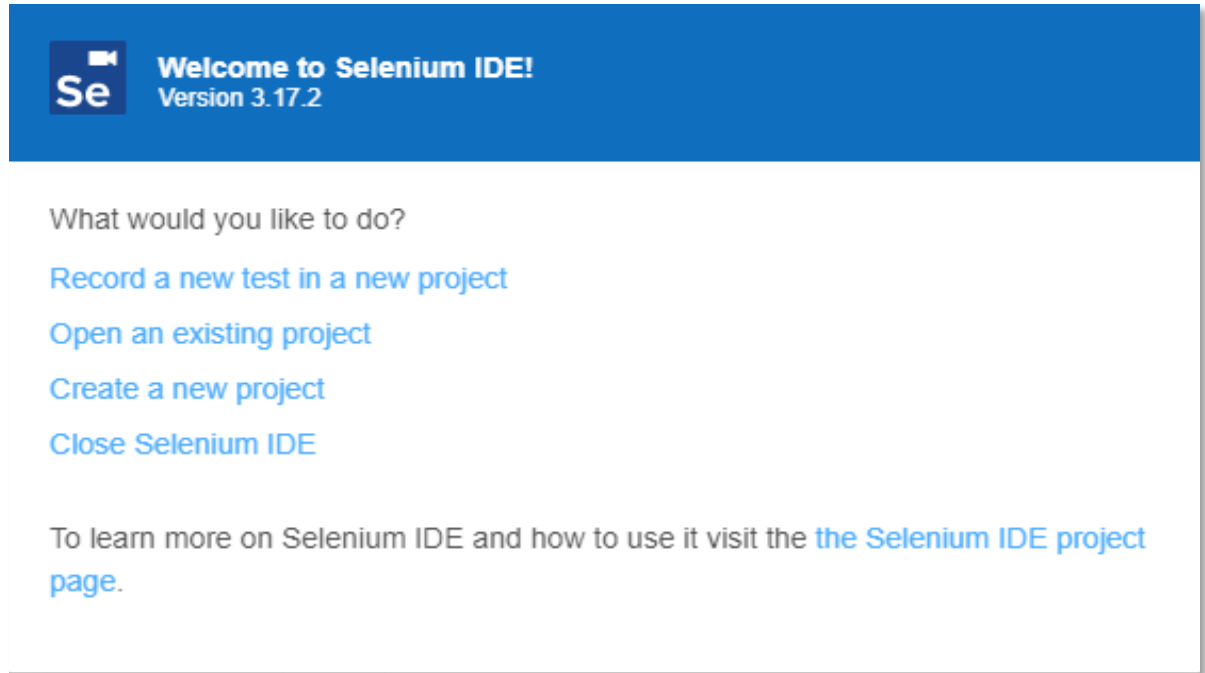


Demo Selenium IDE

Using Selenium IDE

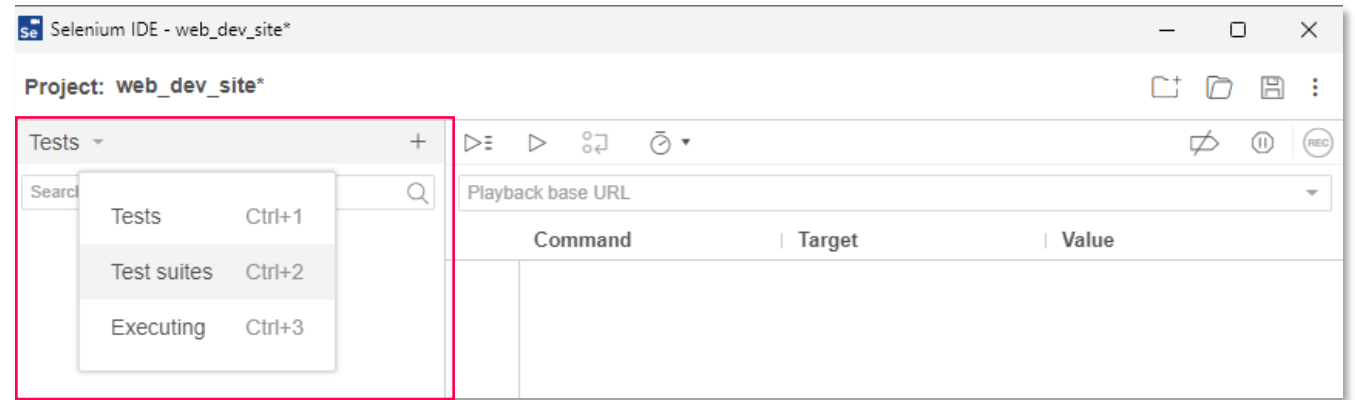


CREATING A PROJECT

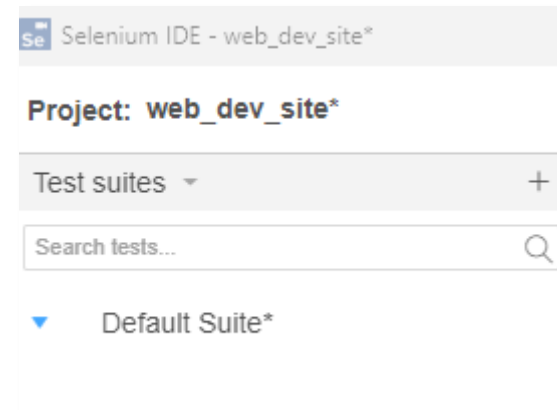


- A project in Selenium IDE is used to contain suites of test cases.
- Projects can be exported/saved.
- Projects can be imported/opened.

CREATING A TEST SUITE

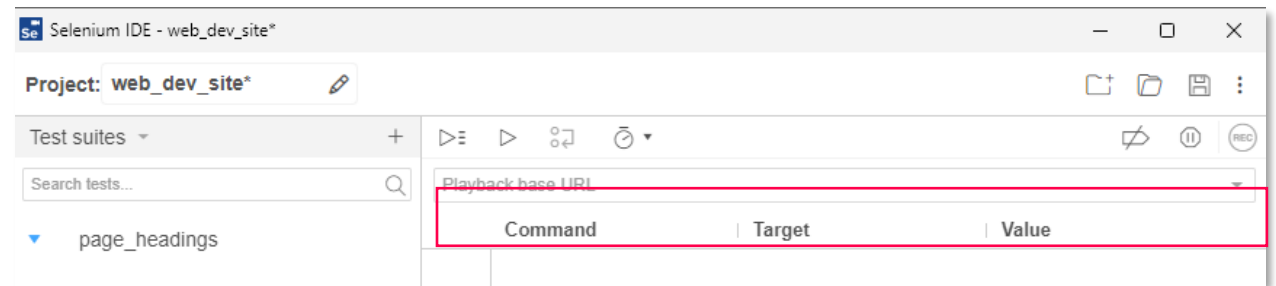


- Select the Tests dropdown menu.
- Select Test suites.
- You will be presented with a default suite.



CREATING A TEST SUITE

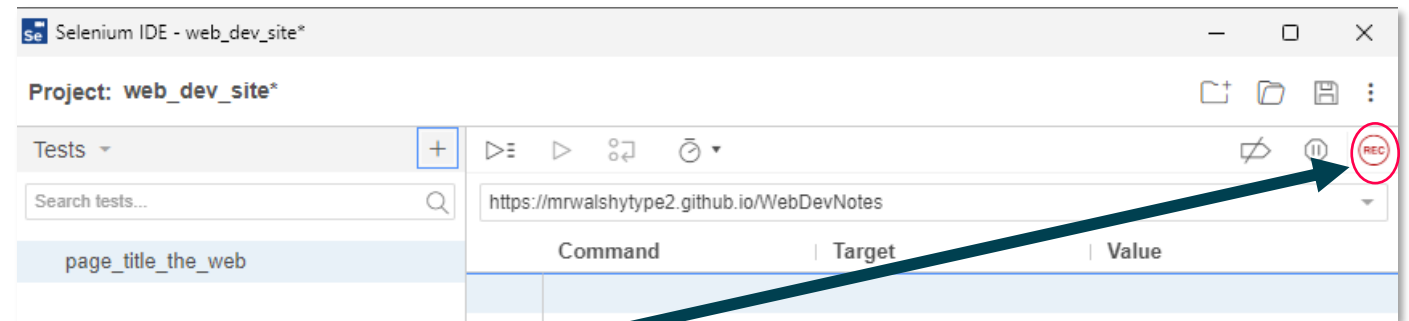
- Delete the **Default Suite** by right clicking it and pressing **Delete**.
- Select the **+** icon to create a new test suite.
- Supply a name for the suite in the prompt.



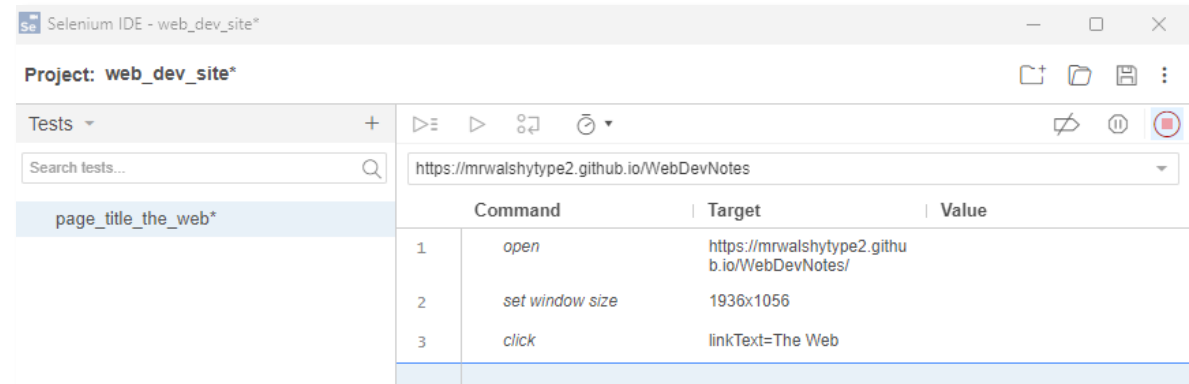
- After creating the suite, add a **Playback base url** in the URL bar to the right.
- This URL will be the same for all test cases and suites that you create, it is where the test starts.

CREATING A TEST

- Go back to the **Tests** page (**ctrl 1** keyboard shortcut) via the dropdown menu and select the **+** icon to add a new test case.

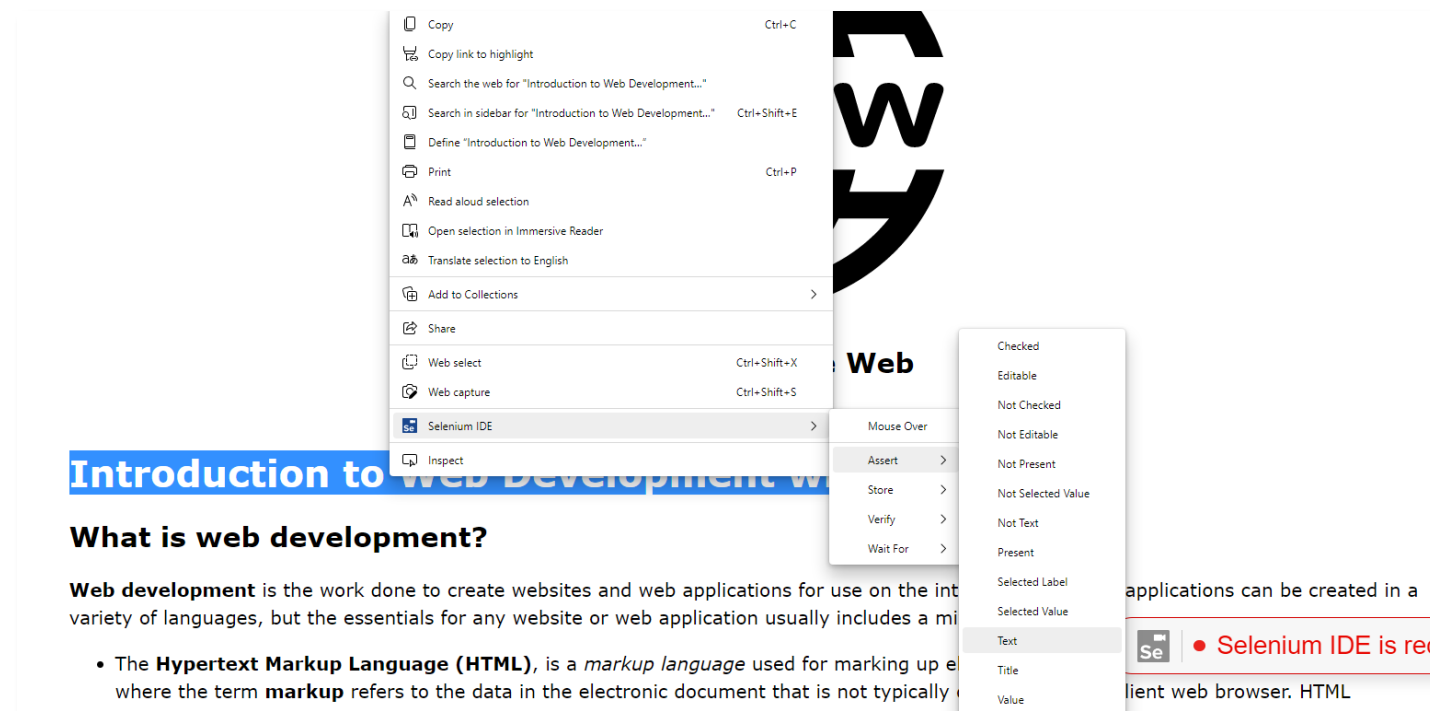


- Click the **REC** icon to start recording a new test.
- This will open a browser that is monitored by Selenium IDE, recording any actions you take.



CREATING A TEST

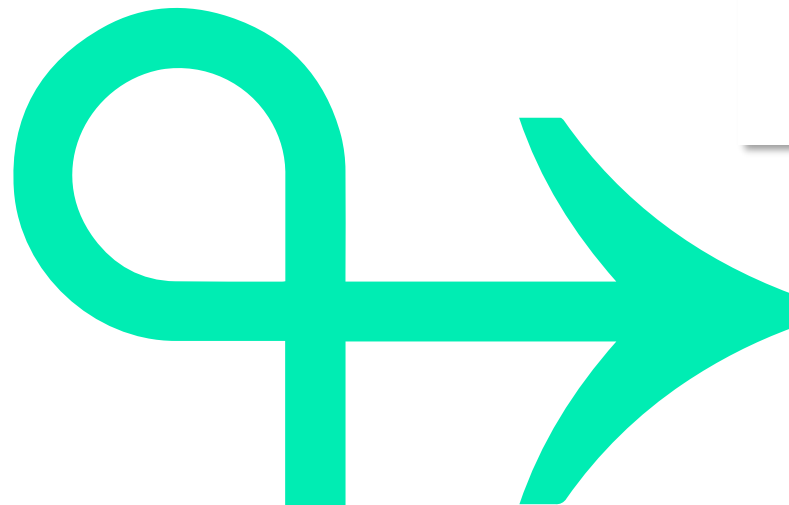
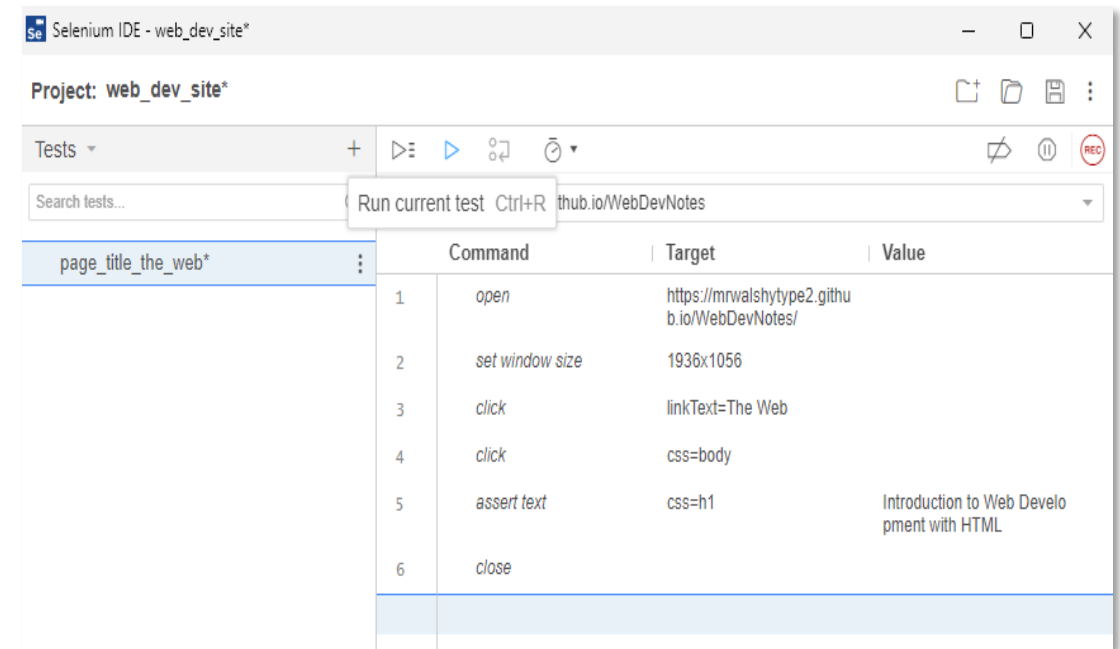
After navigating to a page, you can highlight text, right-click and get access to Selenium specific functionality:



- In this case, we are asserting that the highlighted text is present on the page.

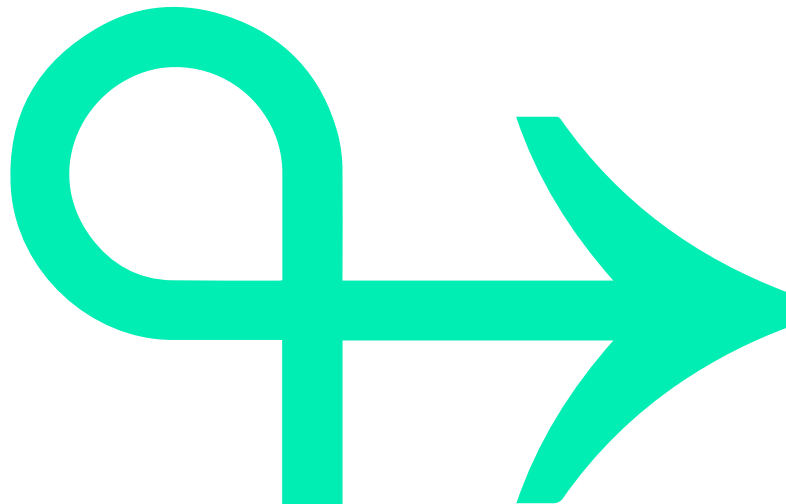
Running a test case

- Select the test case you want to run in the **Tests** menu.
- Select the play button (**CTRL R** keyboard shortcut) to run the selected test.
- This opens a browser which runs the commands in the test.



Interpreting the results

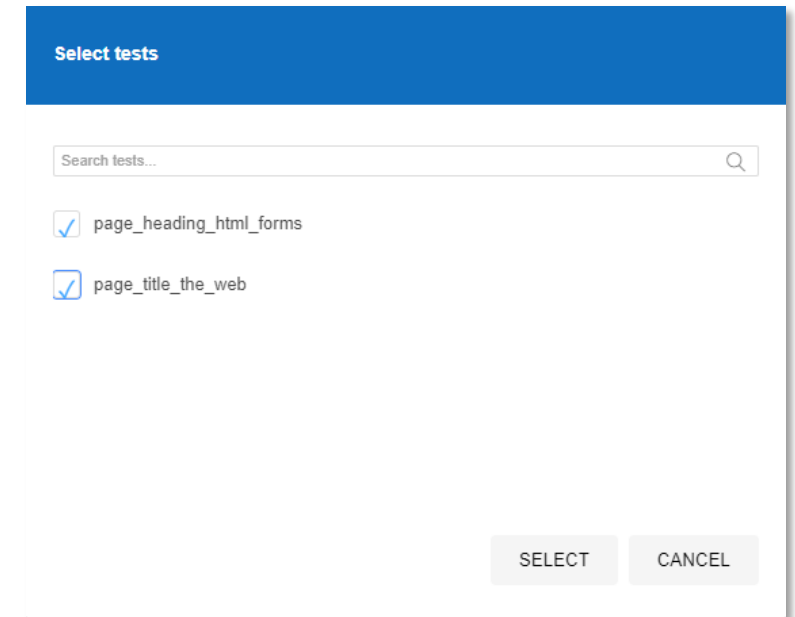
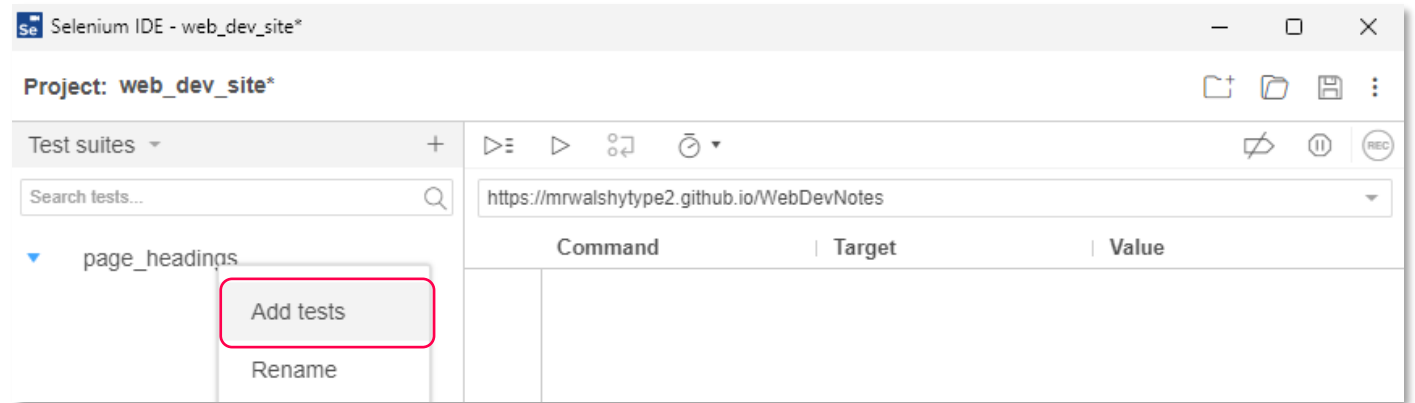
- Selenium IDE has a console at the bottom of the window, this logs the results of each command and whether the test completed successfully or not.
- The green text is a good indicator that things ran successfully.



The screenshot shows the Selenium IDE interface. At the top, the project is named 'web_dev_site*'. Below that, a dropdown menu shows 'page_title_the_web*'. The main area displays a table of commands and their results. The table has three columns: 'Command', 'Target', and 'Value'. The commands are: 1. 'open' with target 'https://mrwalshytype2.github.io/WebDevNotes/' and value 'https://mrwalshytype2.github.io/WebDevNotes/'; 2. 'set window size' with target '1936x1056' and value '1936x1056'; 3. 'click' with target 'linkText=The Web' and value 'linkText=The Web'; 4. 'click' with target 'css=body' and value 'css=body'; 5. 'assert text' with target 'css=h1' and value 'Introduction to Web Development with HTML'; 6. 'close' with no target or value. All commands are marked with a green checkmark. Below the table, there are input fields for 'Command', 'Target', 'Value', and 'Description'. At the bottom, a 'Log' tab is active, showing a list of log entries for the test run, including the command names, targets, values, and the final status 'page_title_the_web' completed successfully. The log entries are timestamped at 15:46:25. A green progress bar is visible above the log, indicating 1 run and 0 failures.

ADDING TEST CASES TO A TEST SUITE

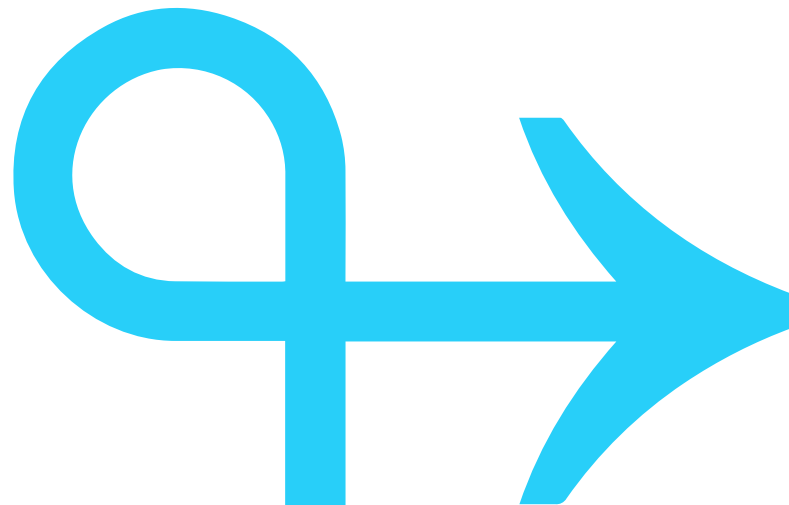
- Go to the **Test suites** menu.
- Right-click the test suite and select **Add tests**.
- From the opened dialog, select the tests to add:



Interpreting a tests commands

- The **open** command opens a specified URL, this is the **target** of the command.
- **Set window size** resizes the browser window.
- **Click** will click the targeted element, selected by **CSS** or **linkText** in this case.

	Command	Target	Value
1	✓ open	https://mrwalshytype2.github.io/WebDevNotes/	
2	✓ set window size	1936x1056	
3	✓ click	css=.dropdown:nth-child(3) > .dropdown-btn	
4	✓ click	linkText=Forms	
5	✓ click	css=body	
6	✓ assert text	css=h1	Forms
7	✓ close		



- **Assert text** is the test, it checks if the specified element contains the specified **value**.
- **Close** closes the browser window.



Activity: Selenium IDE

Follow the exercises specified in the Selenium IDE labs booklet.



Thank you!

Hope you enjoyed this learning journey.