



Kavin School Presents:

# Selenium Web Test Tool Training Using Ruby Language

**Discover the automating power of Selenium**

**Presented by:**

**Kangeyan Passoubady (Kangs)**

1

# Day 1

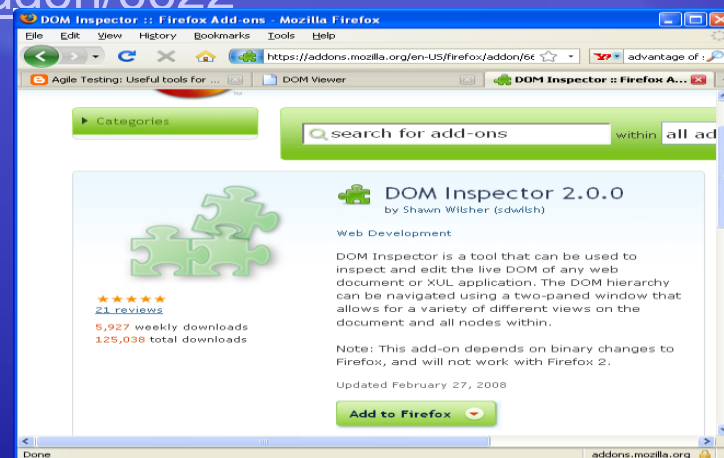
## Useful Tools for Writing Tests

# Firefox Add-ons

- Firefox Add-ons allows to extend the functionality of the Firefox browser.
- Large selection of add-ons available.
- Read the reviews and choose what you need the most.
- I have selected many add-ons which will enhance your learning of Selenium IDE testing.
- These Add-ons make your life easier by doing the expected jobs within your browser, instead of looking for an answer outside.

# DOM Inspector

- **Document Object Model** (DOM) Inspector is a tool that can be used to inspect and edit the live DOM of any web document or XUL (**XML User Interface Language**) application.
- The DOM hierarchy can be navigated using a two-paned window that allows for a variety of different views on the document and all nodes within.
- This add-on depends on binary changes to Firefox, and will not work with Firefox 2.
- Inspects the structure and properties of a window and its contents.
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/6622>
  - Click Add to Firefox
  - Press Install Now button
  - Press Restart Firefox Now button



# X-Path Checker

- An interactive editor for XPath expressions.
- Choose 'View XPath' in the context menu and it will show the editor.
- You can edit the XPath expression and it incrementally updates the results.
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/1095>
  - Click Add to Firefox
  - Select XPath Checker then Press Install Now button
  - Press Restart Firefox Now button



# Firebug

- Firebug integrates with Firefox to put a wealth of development tools at your fingertips while you browse. You can edit, debug, and monitor CSS, HTML, and JavaScript live in any web page.
- Firebug 1.2 requires Firefox 3. Firefox 2 users should install the older 1.05 version of Firebug.
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/1843>
  - Click Add to Firefox
  - Select Firebug and Press Install Now button
  - Press Restart Firefox Now button



# Venkman – JavaScript Debugger

- Venkman is the code name for Mozilla's JavaScript Debugger.
- Venkman aims to provide a powerful JavaScript debugging environment for Mozilla based browsers.
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/216>
  - Click Add to Firefox
  - Select JavaScript and Press Install Now button
  - Press Restart Firefox Now button



 **JavaScript Debugger 0.9.87.4**  
by James Ross, Robert Ginda, Gijs Kruitbosch

Web Development

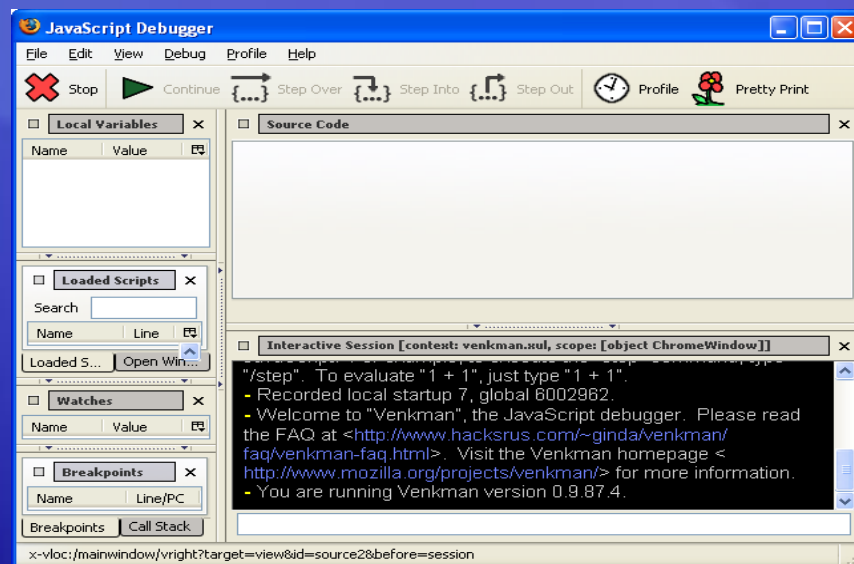
Venkman is the code name for Mozilla's JavaScript Debugger. Venkman aims to provide a powerful JavaScript debugging environment for Mozilla based browsers.

★★★★★  
8 reviews

7,817 weekly downloads  
952,216 total downloads

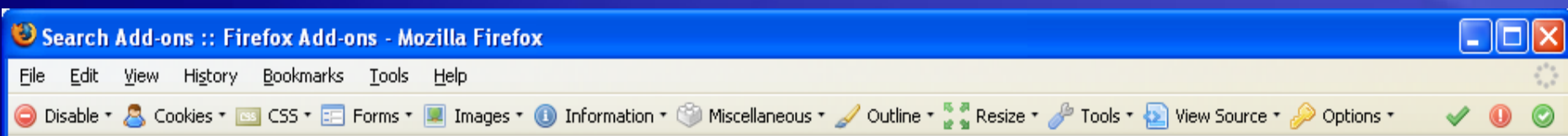
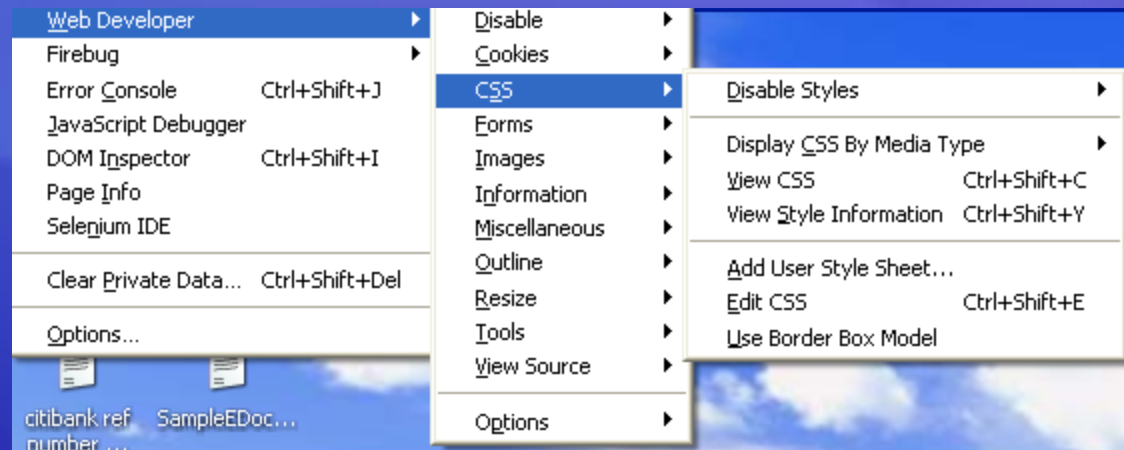
Updated June 19, 2008

[Add to Firefox](#)



# Web Developer

- Adds a menu and a toolbar with various web developer tools.
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/60>
  - Click Add to Firefox
  - Select Web Developer and Press Install Now button
  - Press Restart Firefox Now button





# Regular Expressions Tester

- Allows you to test regular expressions. The tool includes options like case sensitive, global and multi-line search, color highlighting of found expressions and of special characters, a replacement function incl. back references, auto-closing of brackets, testing while writing and saving and managing of expressions..
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/2077>
  - Click Add to Firefox
  - Select Regular Expression Tester and Press Install Now button
  - Press Restart Firefox Now button



Regular Expressions Tester 1.1.6.12  
by Sebo

Web Development

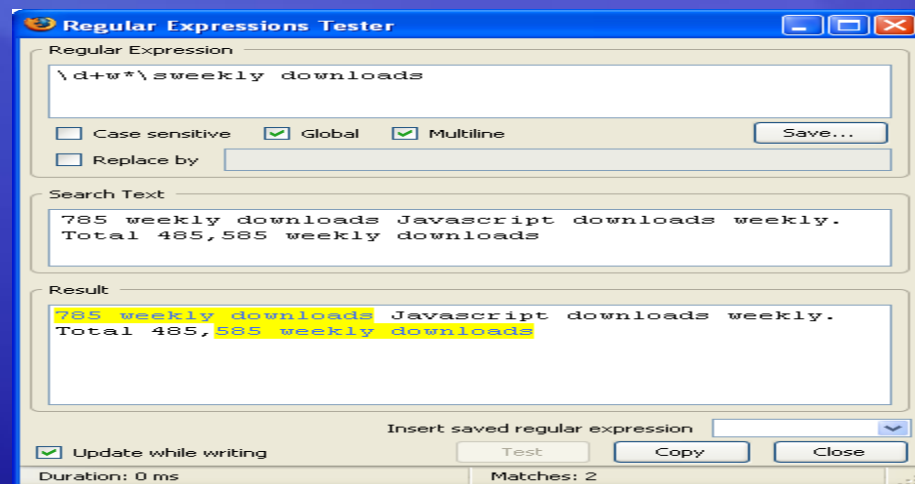
Testing Tool for regular expressions with color highlighting

Updated July 16, 2008

★★★★☆  
6 reviews

785 weekly downloads  
68,980 total downloads

Add to Firefox



Regular Expressions Tester

Regular Expression  
\\d+w\*\\sweekly downloads

Case sensitive  Global  Multiline

Replace by

Save...

Search Text  
785 weekly downloads Javascript downloads weekly.  
Total 485,585 weekly downloads

Result  
785 weekly downloads Javascript downloads weekly.  
Total 485,585 weekly downloads

Insert saved regular expression

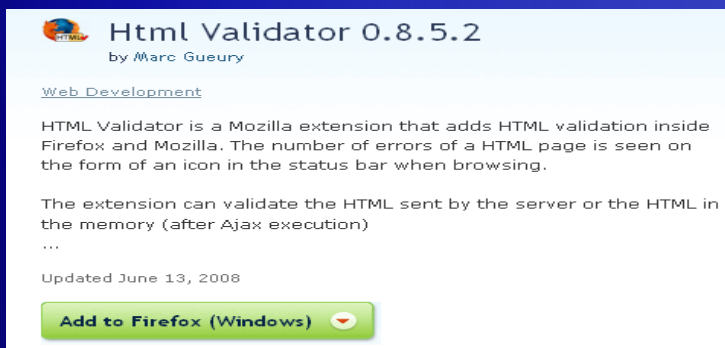
Update while writing

Test Copy Close

Duration: 0 ms Matches: 2

# HTML Validator

- HTML Validator adds HTML validation inside Firefox and Mozilla. The number of errors of a HTML page is seen on the form of an icon in the status bar when browsing. W3C Validator for HTML 4.01 and XHTML.
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/249>
  - Click Add to Firefox
  - Select Html Validator and Press Install Now button
  - Press Restart Firefox Now button
  - Select SGML Parser (w3.org uses the same)
  - Go through the user guide for more information



**Html Validator 0.8.5.2**  
by Marc Gueury

[Web Development](#)

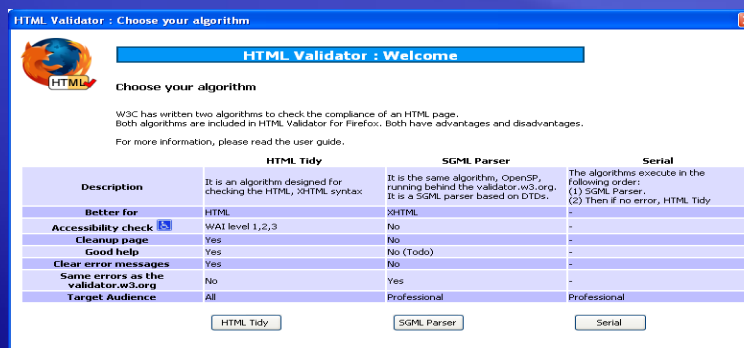
HTML Validator is a Mozilla extension that adds HTML validation inside Firefox and Mozilla. The number of errors of a HTML page is seen on the form of an icon in the status bar when browsing.

The extension can validate the HTML sent by the server or the HTML in the memory (after Ajax execution)

...

Updated June 13, 2008

[Add to Firefox \(Windows\)](#)



HTML Validator : Choose your algorithm

**HTML Validator : Welcome**

Choose your algorithm

W3C has written two algorithms to check the compliance of an HTML page. Both algorithms are included in HTML Validator for Firefox. Both have advantages and disadvantages. For more information, please read the user guide.

Description	HTML Tidy	SGML Parser	Serial
	It is an algorithm designed for checking the HTML, XHTML syntax	It is the same algorithm, OpenSP, running behind the validator.w3.org. It is a SGML parser based on DTDs.	The algorithms execute in the following order: (1) SGML Parser. (2) Then if no error, HTML Tidy.
Better for	HTML	XHTML	-
Accessibility check	WAI level 1,2,3	No	-
Cleanup page	Yes	No	-
Good help	Yes	No (Todo)	-
Clear error messages	Yes	No	-
Same errors as the validator.w3.org	No	Yes	-
Target Audience	All	Professional	Professional

# XPather

- XPath generator, editor, inspector and simple extraction tool. Since FF3, it requires DOM inspector plug-in .
- URL to Add:
  - <https://addons.mozilla.org/en-US/firefox/addon/1192>
  - Click Add to Firefox
  - Select XPather and Press Install Now button
  - Press Restart Firefox Now button



## XPather 1.4.1

by Viktor Zigo

[Web Development](#) | [Toolbars](#)

Feature rich XPath generator, editor, inspector and simple extraction tool...

Updated June 18, 2008

Add to Firefox

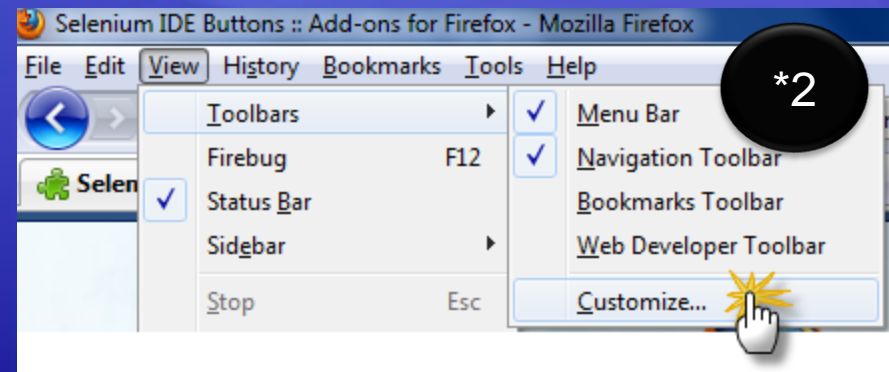
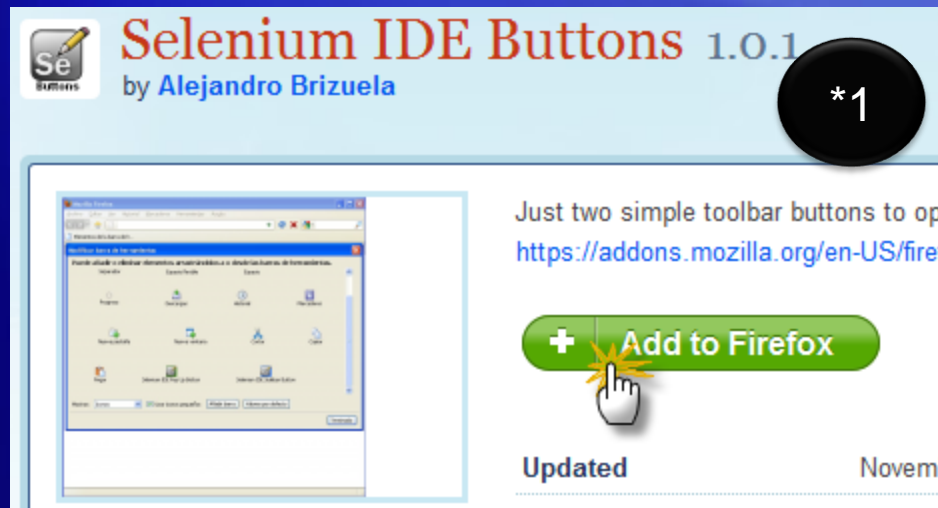
The screenshot shows the XPather Browser interface. At the top, the title bar reads "XPather Browser". Below it, there is a text input field containing the XPath expression: `/html/body/div[@id='content']/form/div[3]/div[5]/div/div/div/div/di`. To the right of this field is an "Eval" button and a question mark icon. Below the input field are two empty text boxes labeled "RegExp" and "Subst". Underneath these is a section titled "Matching Nodes (count: 1 from 1)". It contains a table with two columns: "no" and "content". The first row is highlighted in blue and contains the number "1" in the "no" column and the XPath expression `/html/body/div[@id='content'...` in the "content" column. Below the table is a section titled "Content of the selected nodes". It has four tabs: "Text", "Inner HTML", "Web Clipping", "XPaths", and "Info". The "XPaths" tab is currently selected, and it displays the full XPath expression: `/html/body/div[@id='content']/form/div[3]/div[5]/div/div/div/div/div/div/div/div/table/tbody/tr[2]/td[2]`.



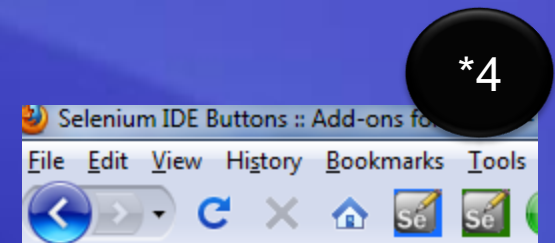
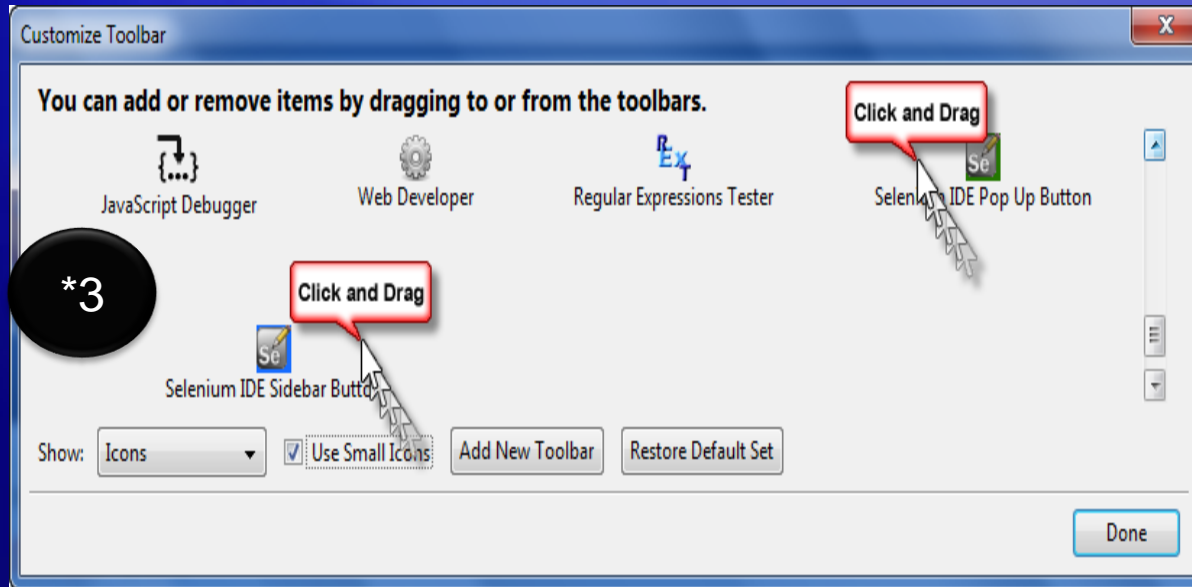
**Selenium IDE Buttons** – This add-on allows you to invoke Selenium IDE from side bar or Popup, just by one click

URL to Add:

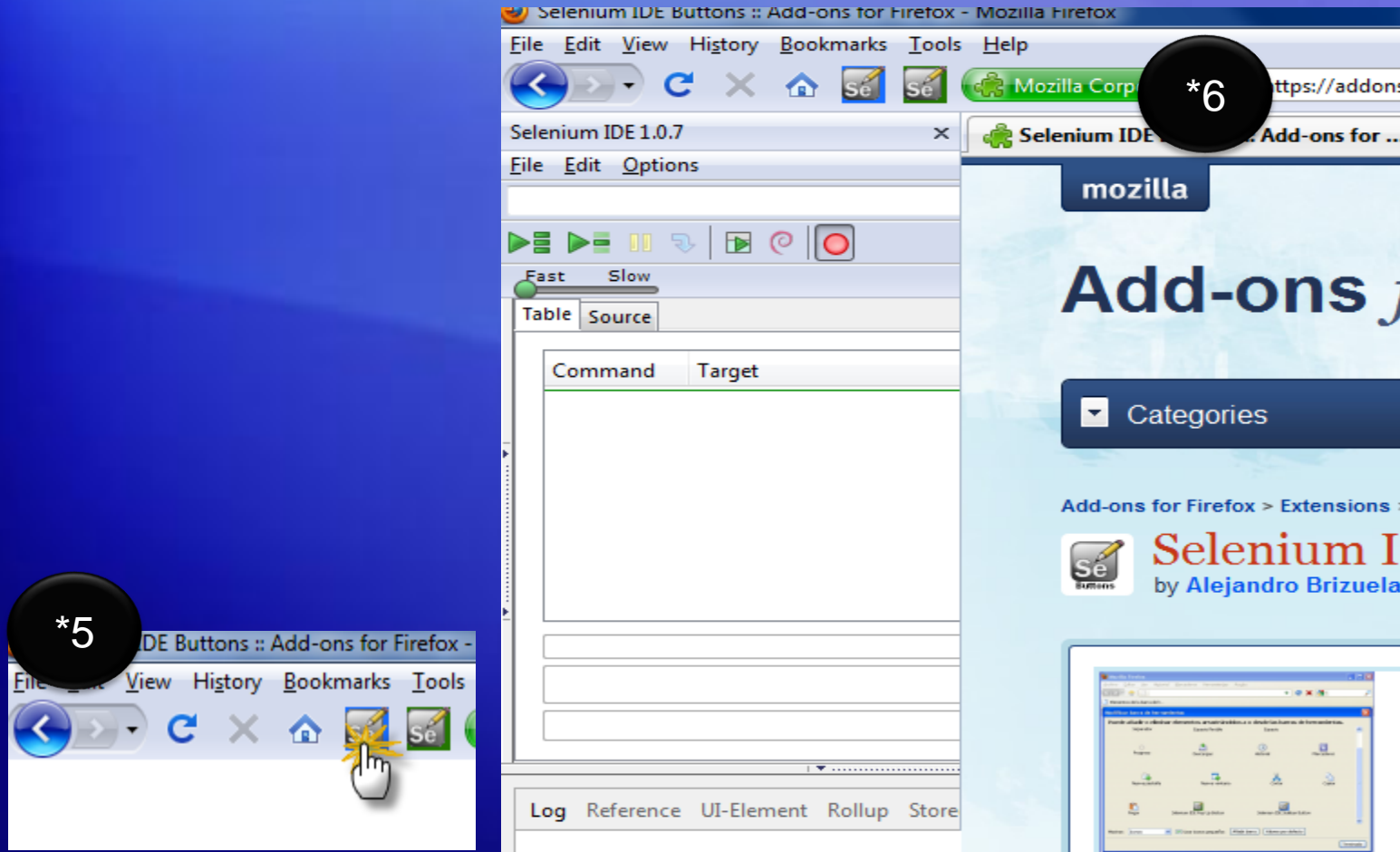
- <https://addons.mozilla.org/en-US/firefox/addon/46131/>
- Click Add to Firefox (\*1)
- Press Restart Firefox Now button
- Go to Firefox → View → Tool Bars → Customize (\*2)



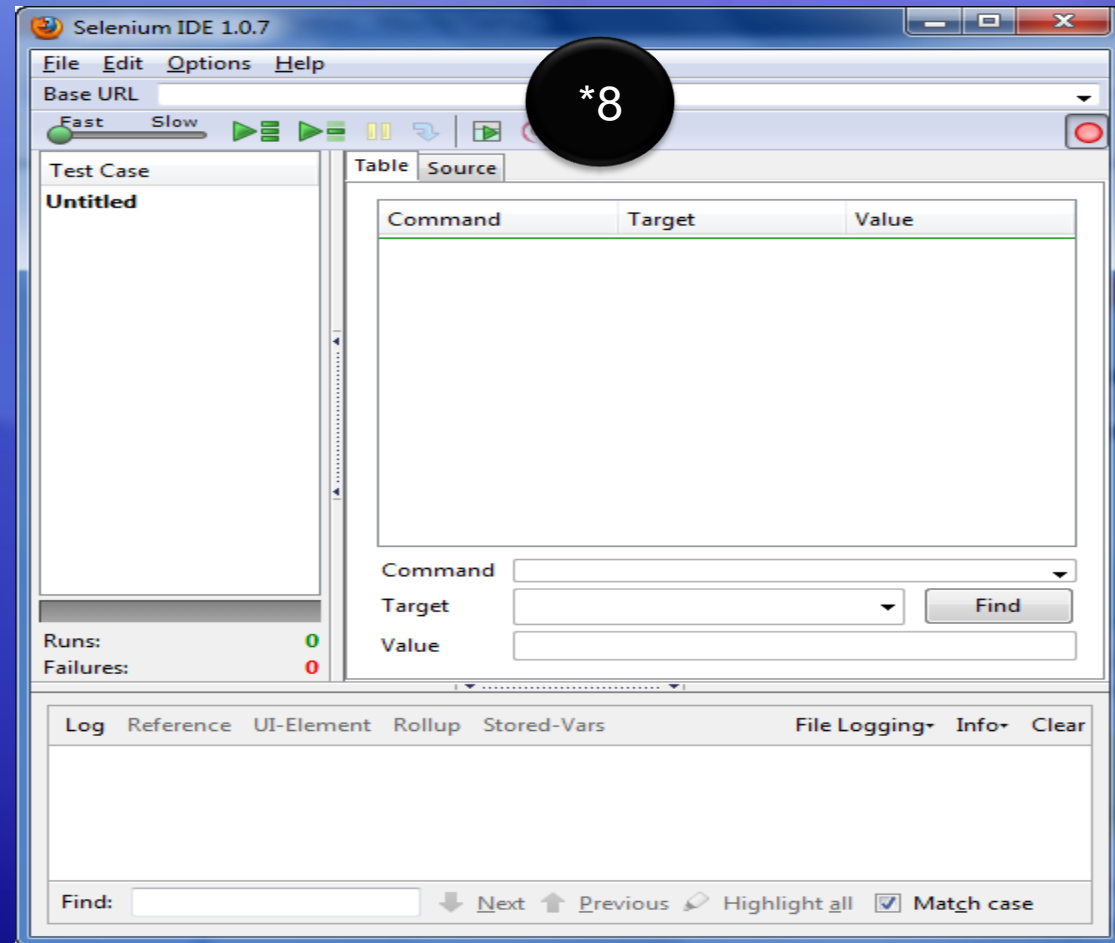
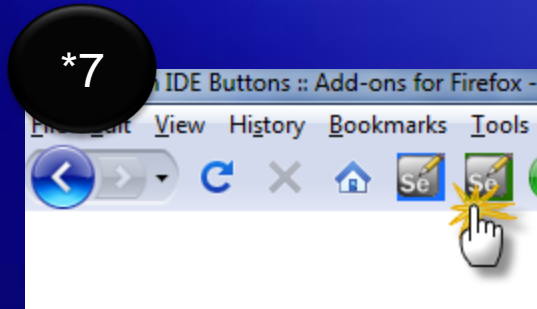
- Go to the bottom of the Customize ToolBar window (\*3)
- Drag the Selenium IDE Popup Button and Sidebar Button near by FireFox Help Menu or Home icon (\*4)



- Now click Selenium IDE Side Bar button (\*5)
- It will show the Selenium IDE SideBar (\*6)



- Now click Selenim IDE Popup button (\*7)
- It will show the Selenium IDE Popup (\*8)

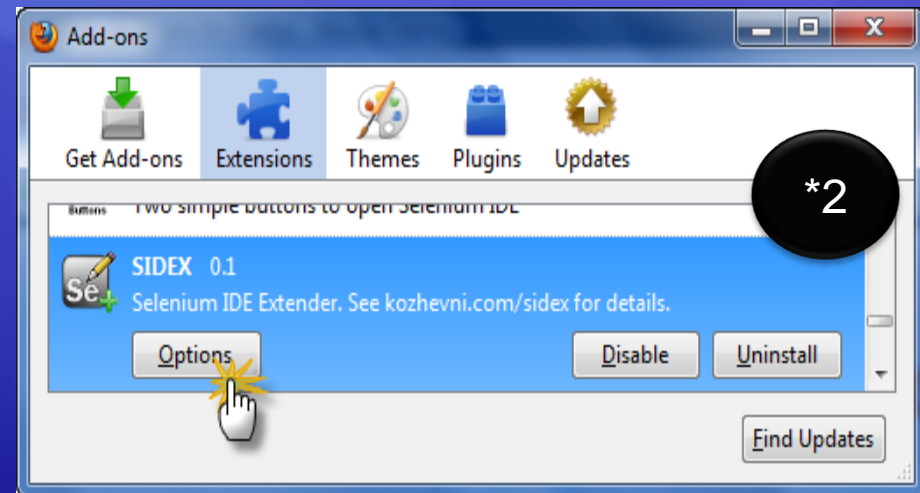
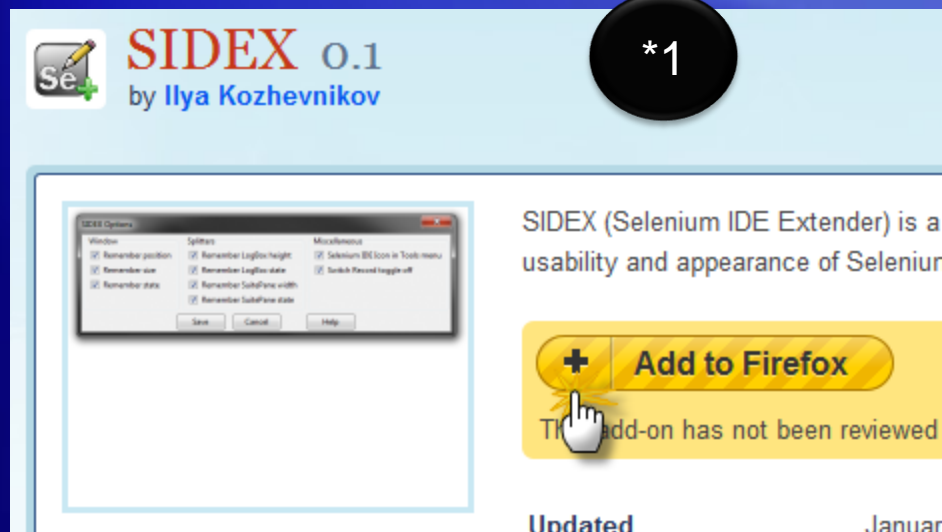




**SIDEX** – Selenium IDE Extender - This add-on allows to remember the last Selenium IDE appearance and certain options

URL to Add:

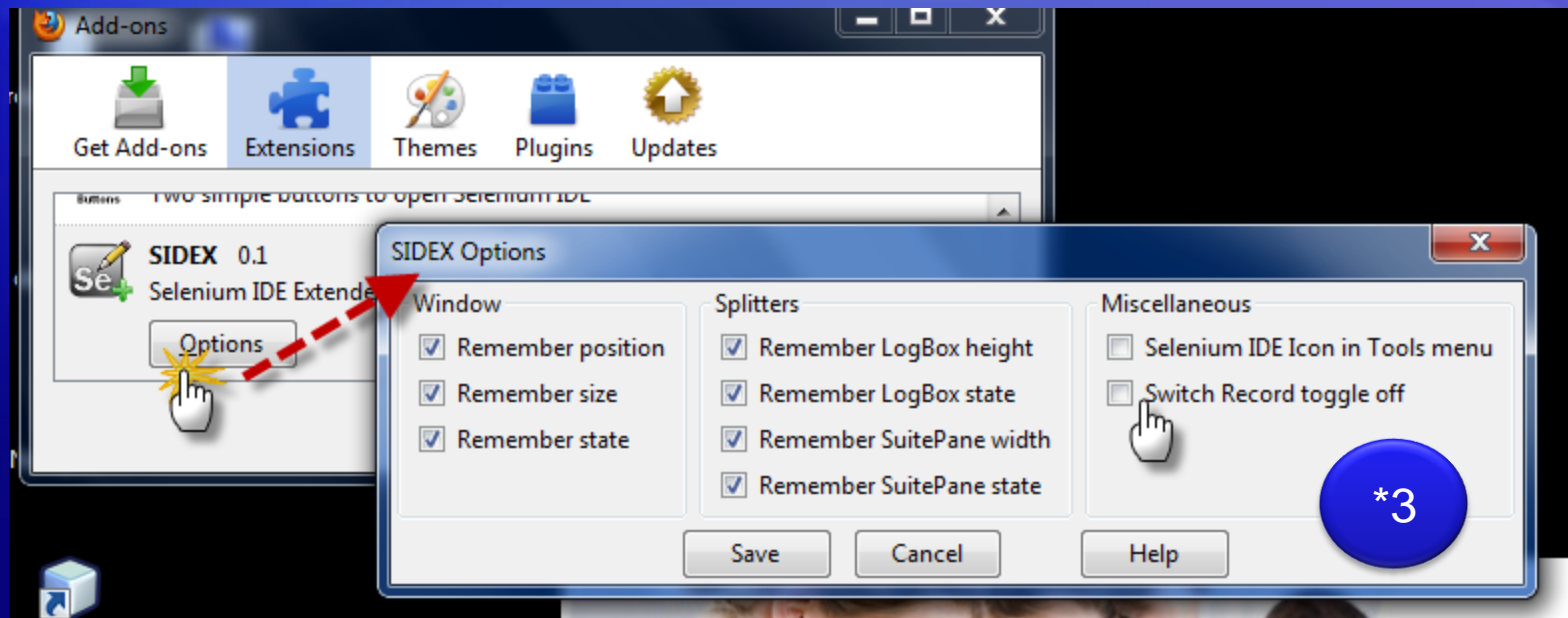
- <https://addons.mozilla.org/en-US/firefox/addon/58267/>
- Click Add to Firefox (\*1)
- Press Restart Firefox Now button
- Go to Firefox → Tools → Addons → Extensions (\*2)
- Click on Options (\*2)



# SIDEX – Remember IDE Appearance

#2

- SIDEX Options will be shown in a Popup (\*3)
- As per your need select or deselect options available for you
- E.g.: Unselect Switch Record Toggle off (\*3)
- Click Save



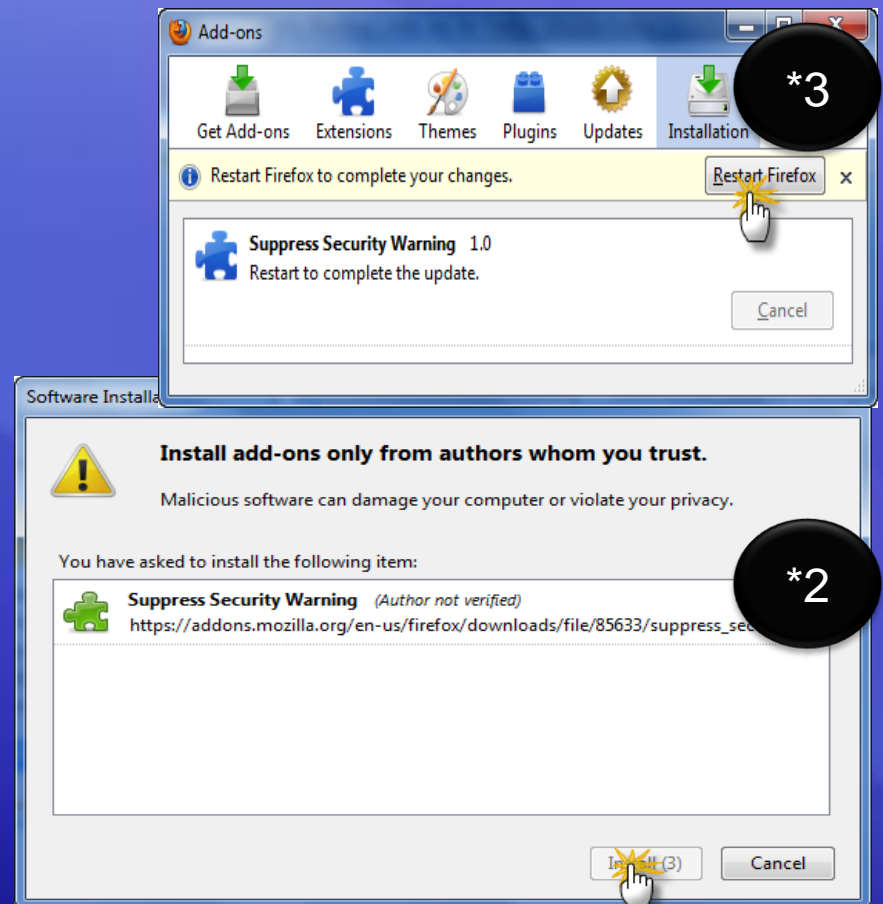
# Suppress Security Warning

#1

**Suppress Security Warning** – Auto confirms the security warning popup.

URL to Add:

- <https://addons.mozilla.org/en-US/firefox/addon/126519/>
- Click Add to Firefox (\*1)
- Install (\*2)
- Press Restart Firefox Now (\*3)



Discover the automating power of Selenium

Copyright © 2008-2010 by Kangeyan Passoubady (Kangs)