Overview

This document outlines the solution to test BuggyCars website.

The test tool to be used is Selenium IDE and the approach is to test the most critical functionalities of BuggyCars, which forms the five test suites found in the solution. These include:

1. Creating an account (01_Register)
2. Logging in (02_Login)
3. Viewing the website as a registered user (03_Register_Login_View)
4. Voting on a car as a registered user (04_Register_Login_Vote)
5. Viewing the website as an unregistered user (05_View_Only)
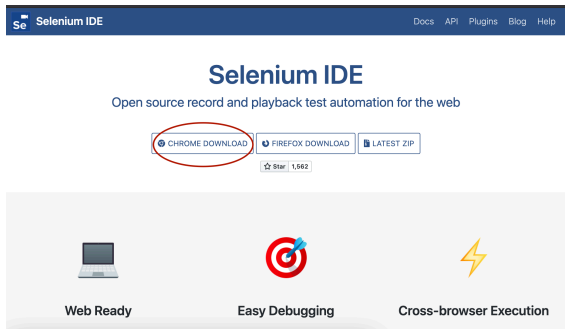
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1. Selenium IDE set-up instructions for Chrome
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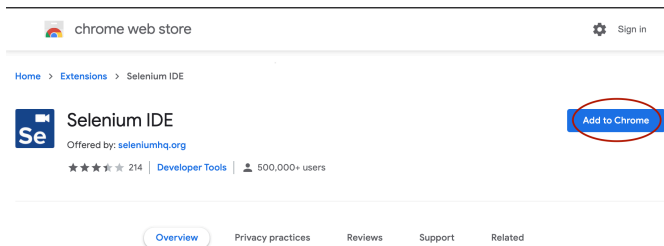4. Executing the Tests

Selenium IDE set-up instructions for Chrome

Pre-requisite:
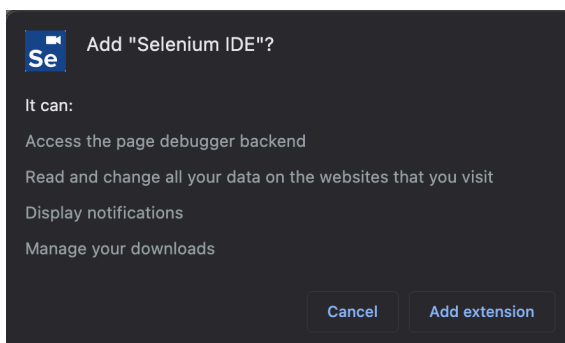a. Chrome browser has been installed in the computer

1. Using Chrome, go to https://www.seleniumhq.org/selenium-ide/
2. On the landing page, there are buttons to install for Chrome or Firefox; Click the button for Chrome.
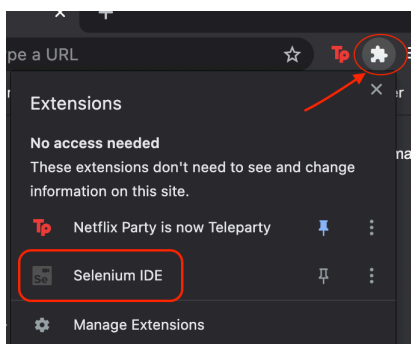

3. Then on the next page, click Add to Chrome.

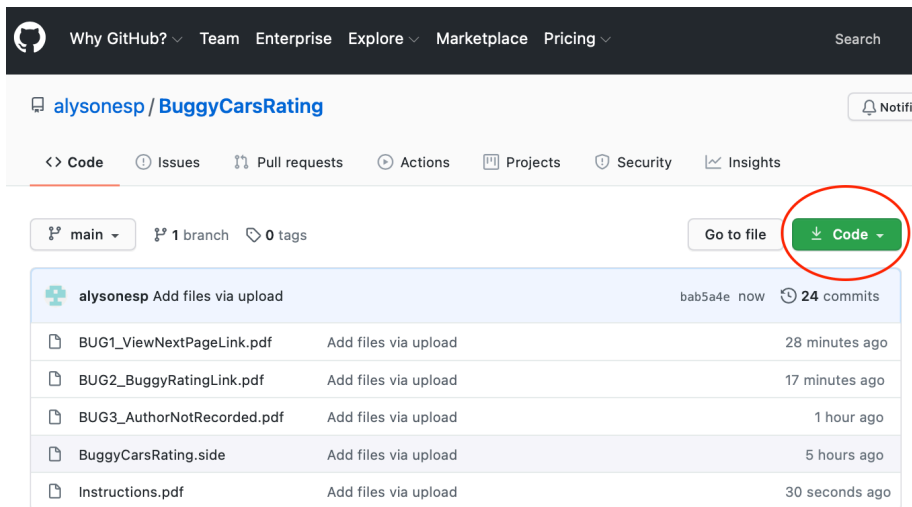4. A confirmation dialogue box will appear. Click Add extension

5. Selenium IDE extension will now be downloaded and installed in a few seconds. Once it's done, it will appear in the browser's extension list.
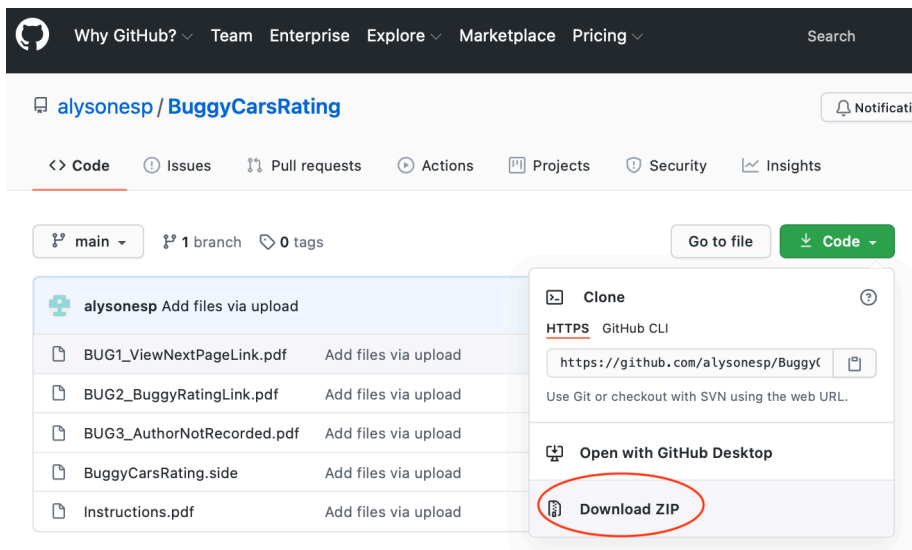
How to download Buggy Rating Cars project file from Github

1. Open the link given in the email (https://github.com/alysonesp/BuggyCarsRating)
2. On the BuggyCarsRating github page, click Code dropdown button
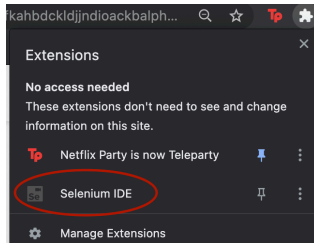

3. Select Download Zip

4. Once downloaded on the computer, open/extract the zipped file. BuggyCarsRating.side file should be available.

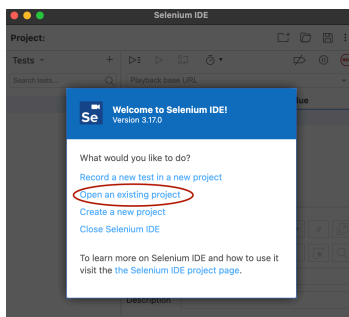# Opening Selenium IDE and BuggyCarsRating.side project

Pre-requisite:
a. Chrome browser is available and Selenium IDE has been installed on Chrome.
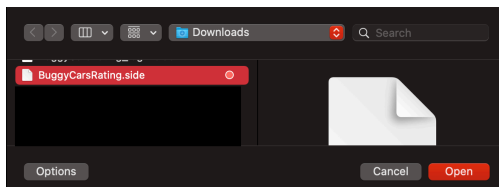b. BuggyCarsRating.side project has been downloaded from Github

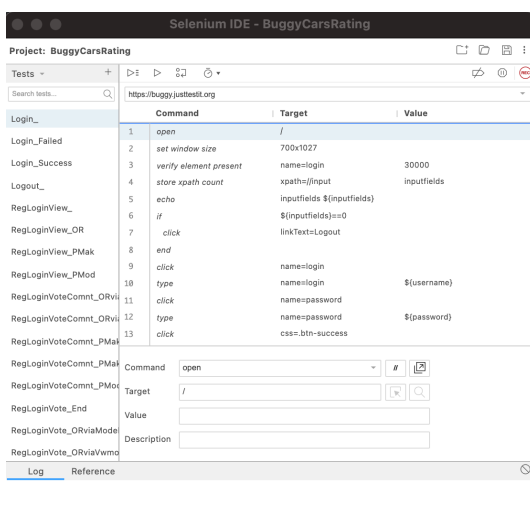1. From Chrome extension list, click Selenium IDE.

2. It will open up Selenium IDE and will display a welcome screen. From this welcome screen, select Open an existing project

3. Select BuggyCarsRating.side file and click Open.

4. It will open up Selenium IDE screen, BuggyCarsRating.side project, with a landing page that looks like below.
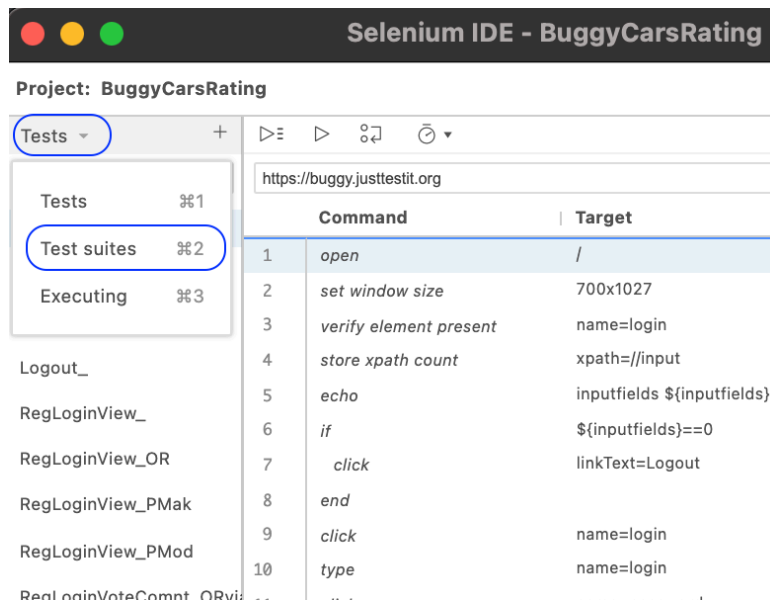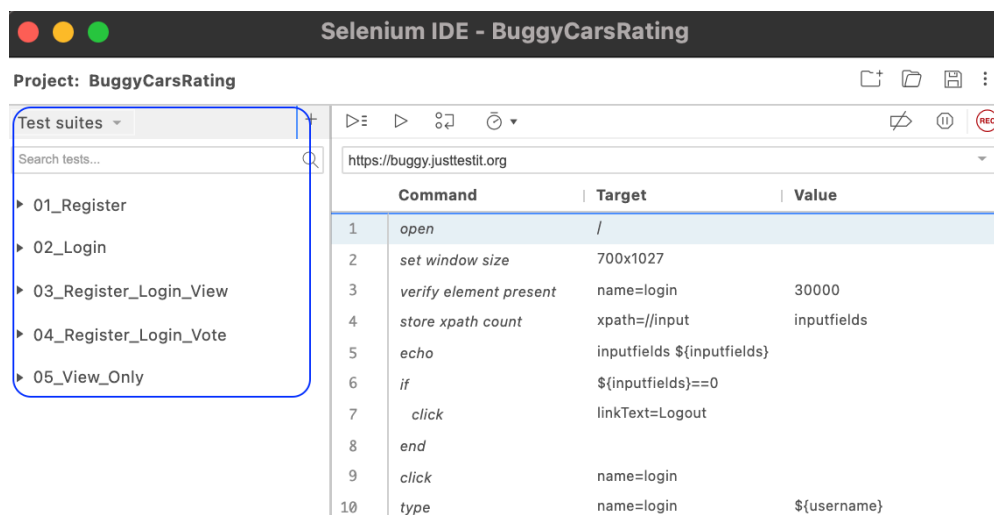
Executing the Tests

Pre-requisite:
a. Chrome browser is available and Selenium IDE has been installed on Chrome.
b. BuggyCarsRating.side project file has been downloaded from Github
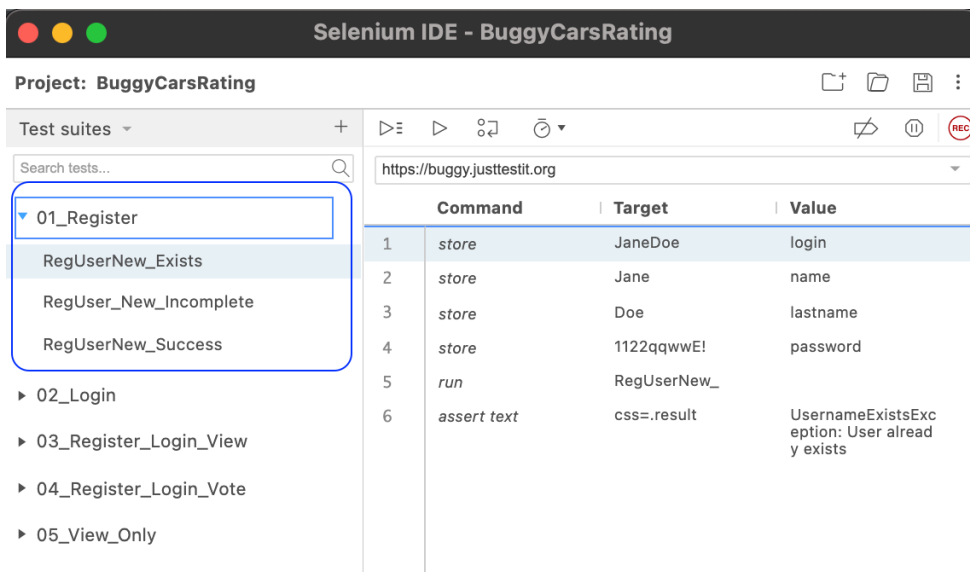c. Selenium IDE is open on the landing page with BuggyCarsRating.side project

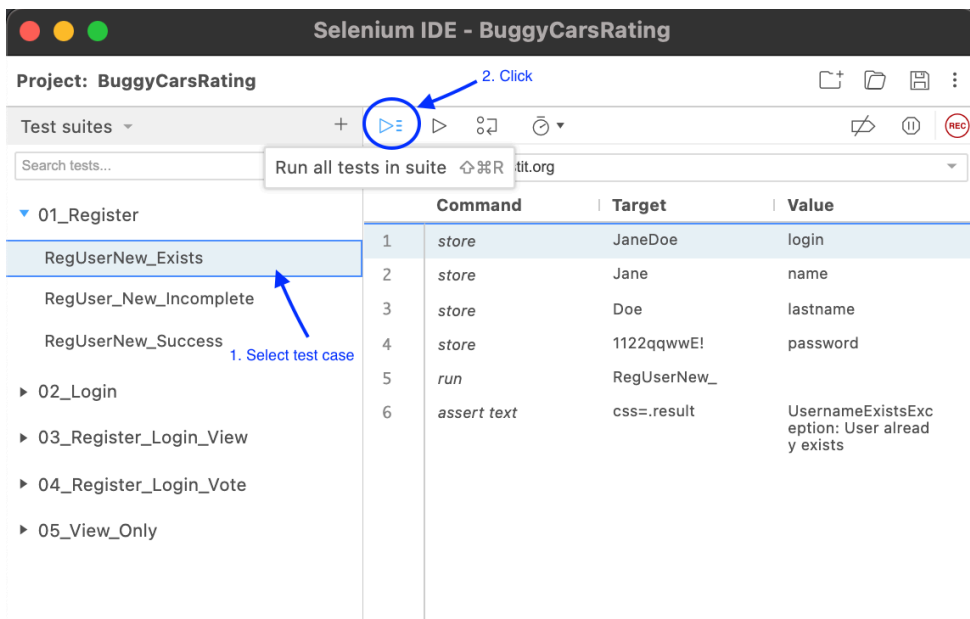1. From the Tests dropdown located at the upper left corner, select Test suites.

2. Five test suites are available to test the five critical functionalities of BuggyCars.

3. Run the test cases per test suite. To do this, click on the test suite title eg. 01_Register and it will open to display the test cases underneath.
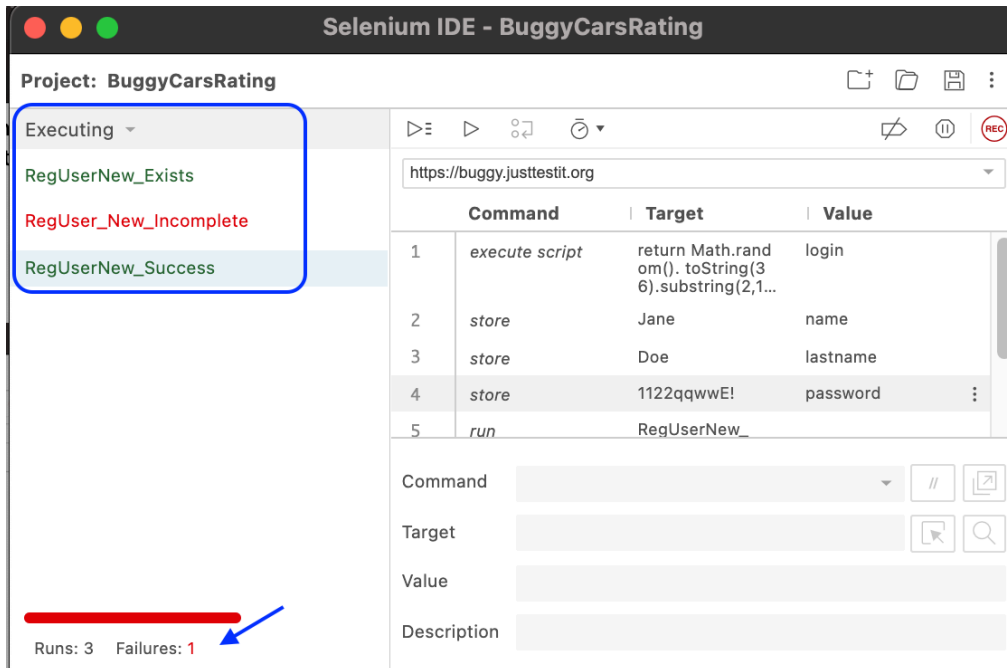

4. Select the first test case under the test suite and click Run all tests in suite as shown below. Once the Run all tests in suite is clicked, the tests will run immediately.

5. While the test is running, notice that the left hand side of Selenium IDE is under <u>Executing</u> menu and only displaying the tests under the selected test suite. Once the test suite execution has completed:

   a. If no failures are encountered, you will be back on the Test suites menu.
   b. Otherwise, you will stay on the Executing menu.

<u>Note</u>: The intention of all test suites is to run in completion regardless of a test case passing or failing. Failed test cases will be highlighted in red and count of actual* failures is located below.

There are some commands in the tests that only verify something on the page and if these fail, it is not considered as a true failure.

6. To go back in the test suites menu form the Executing menu, just select <u>Test suites</u> again from the dropdown and please repeat steps 3 and 4 to run the other test suites available.