

LAB 6: Controlling Internet Explorer

You have seen how to drive Internet Explorer to control a web application how to access the text displayed on a resulting web page, so that it can be verified.

Interacting with IEC

Try this yourself using IRB. Drive the web interface using the IE Controller (IEC). List the controls in a form? Use the DOMViewer to verify text on a web page.

Convert your interactive session into a script using test unit. After you've completed a test, change the argument to `ClIEController` from `true` to `false`. Does the test still work? What is different?

Note: You may need to add calls to `iec.wait` after calls to `click` or `submit`. This causes your script to wait until Internet Explorer is ready. (You probably did this without thinking when using IRB.)

Converting Tests

Convert one of your existing tests written for another interface (command line or web services) into a test of the web interface. What kind of changes do you have to make?

Reusing Tests

(A bonus activity, should you have time.)

Review the changes that you made to convert a test from one interface to another. Outline how you could create a library that would allow tests to run against different interfaces without having to change the tests themselves.

Think about what it would take to write a test that could be used to test more than one interface, just by changing the libraries used. How hard would this be?