Pro Tip: Use iPython for Selenium Exploration

```
In [1]: from selenium import webdriver

In [2]: d = webdriver.Chrome()

In [3]: d.get('https://www.youtube.com')

In [4]: vid = '1JM90JmrBfU'

In [5]: sel_search = 'form input#search'

In [6]: search = d.find_element_by_css_selector(sel_search)

In [7]: search.click()

In [8]: search.send_keys(vid)

In [9]: search.submit()

In [10]: video = d.find_element_by_css_selector('a[href="/watch?v=%s"]' % vid)

In [11]: video.get_attribute('href')
Out[11]: 'https://www.youtube.com/watch?v=1JM90JmrBfU'
```

Component: Application Wrappers Continued

```
class Mytests(object):

    def test_search_by_id(self):
        d = webdriver.Chrome()
        d.implicitly_wait(10)

        d.get('https://www.youtube.com')

        # use search to find target video
        search = d.find_element_by_css_selector('form input#search')
        search.click()
        search.send_keys('1JM90JmrBfU')
        search.submit()
        time.sleep(2)

        # verify that the correct video was returned
        video = d.find_element_by_css_selector('a[href="/watch?v=1JM90JmrBfU"]')
        assert video.get_attribute('href') ==
                        'https://www.youtube.com/watch?v=1JM90JmrBfU'
        d.quit()
```

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