



Simplified web automation

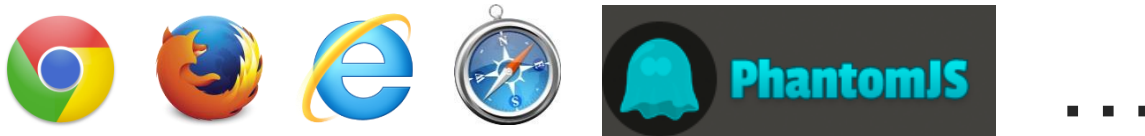
based on Selenium

<http://heliumhq.com>

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Web automation

- Automate browsers:



- start browser
 - open a web page
 - fill in a form
- Testing & Web scraping

De-facto standard



- Fast
- Stable
- Active



But there is a problem



```
from selenium.webdriver import *
ff = Firefox()
ff.get(some_url)
...
textfield = \
    ff.find_element_by_id('u_0_1_y')
textfield.send_keys("Text")
button = ff.find_element_by_css_selector(
    '._42ft._4jy0._11b._4jy3._4jy1'
)
button.click()
```

```
from helium.api import *  
start_firefox(some_url)  
...  
write("Text", into="Update Status")  
click("Post")
```



So what's the problem?

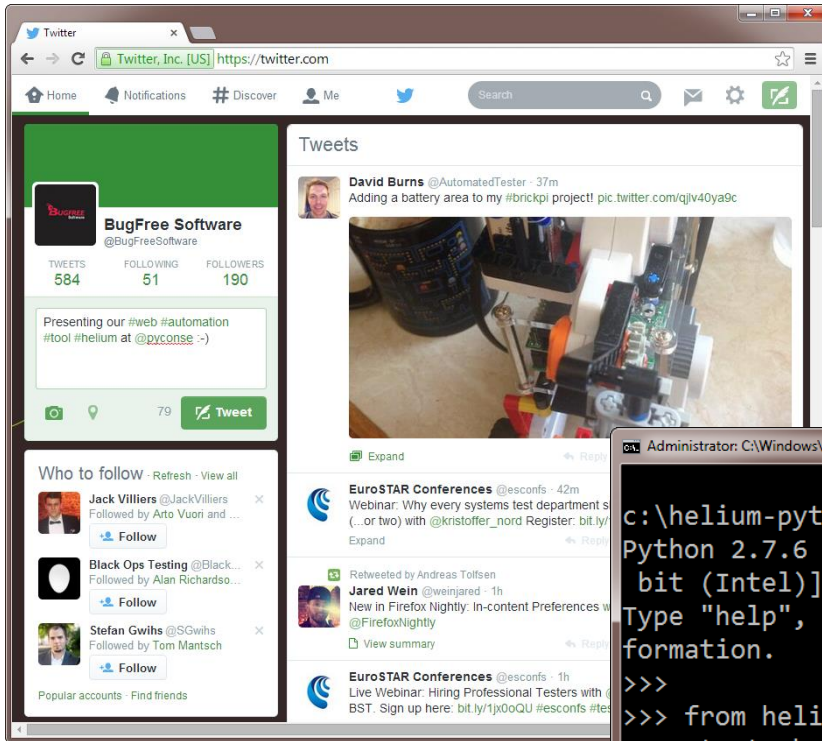
- HTML IDs, CSS-Selectors, XPath
- `WebDriverWait(ff, 10).until(...)`
- `StaleElementReferenceException, ...`
- `ff.switch_to_frame(...)`
- `ff.switch_to_window(...)`
- ...

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- Handles technical details for you.
- Add-on to Selenium
- 100% Selenium 2 compatible



- Commercial



```
Administrator: C:\Windows\System32\cmd.exe - python
c:\helium-python>python
Python 2.7.6 (default, Nov 10 2013, 19:24:18) [MSC v.1500 32
bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more in
formation.
>>>
>>> from helium.api import *
>>> start_chrome('twitter.com')
<selenium.webdriver.chrome.webdriver.WebDriver object at 0x0
2D5AE50>
>>> write("BugFreeSoftware", into="Username or email")
>>> from passwords import *
>>> write(TWITTER_PASSWORD, into="Password")
>>> click("Sign in")
>>> write("Presenting our #web #automation #tool #helium at
@pyconse :-)", into="Compose new Tweet...")
>>>
```

DEMO

Summary

- Selenium is important, but too technical.
- Helium is much easier to use:

```
from selenium.webdriver import *
ff = Firefox()
...
textarea = \
    ff.find_element_by_id('u_0_1_y')
textarea.send_keys("Text")
button = ff.find_element_by_css_selector(
    '._42ft._4jy0._11b._4jy3._4jy1'
)
button.click()
```

VS.

```
from helium.api import *
start_firefox()
...
write("Text", into="Update Status")
click("Post")
```

- Still have all benefits of Selenium.



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<http://heliumhq.com/download>

Thank you for your attention