Selenium自动化测试工具

**from**selenium.webdriver.support**import**expected\_conditions**asEC**

**Expected Conditions**<http://selenium-python.readthedocs.io/waits.html>

* title\_is
* title\_contains
* presence\_of\_element\_located
* visibility\_of\_element\_located
* visibility\_of
* presence\_of\_all\_elements\_located
* text\_to\_be\_present\_in\_element
* text\_to\_be\_present\_in\_element\_value
* frame\_to\_be\_available\_and\_switch\_to\_it
* invisibility\_of\_element\_located
* element\_to\_be\_clickable
* staleness\_of
* element\_to\_be\_selected
* element\_located\_to\_be\_selected
* element\_selection\_state\_to\_be
* element\_located\_selection\_state\_to\_be
* alert\_is\_present

https://blog.csdn.net/you77/article/details/56287522

**EC.**presence\_of\_element\_located(locator)

判断元素是否存在DOM中，并不代表一定可见。locator是定位器。输入框

**EC.**element\_to\_be\_clickable

元素是否是可见的或者是否是有效的，比如可以点击。locator是定位器。可被点击

**WebDriverAPI/ActionChains**http://selenium-python.readthedocs.io/api.html#module-selenium.webdriver.common.action\_chains

* send\_keys(\*keys\_to\_send)输入
* click(*on\_element=None*)点击

https://www.baidu.com/s?wd=%27http%3A%2F%2Fwww.sse.com.cn%2Fdisclosure%2Flistedinfo%2Fannouncement%2F%27&tn=98012088\_4\_dg&ch=12

pyquery

**from**pyquery**import** PyQuery**as** pq

**from**selenium.webdriver.common.by **import** **By**

jQuery-JavaScript 库-CSS选择器

PyQuery/**jQuery 选择器**<http://www.runoob.com/jquery/jquery-ref-selectors.html>

|  |  |  |
| --- | --- | --- |
| **选择器** | **实例** | **选取** |
| [#id](http://www.runoob.com/jquery/jq-sel-id.html) | $("#lastname") | id="lastname" 的元素 |
| [.class](http://www.runoob.com/jquery/jq-sel-class.html) | $(".intro") | class="intro" 的所有元素 |
|  |  |  |
| [[attribute]](http://www.runoob.com/jquery/jq-sel-attribute.html) | $("[href]") | 所有带有 href 属性的元素 |
| [[attribute=value]](http://www.runoob.com/jquery/sel-attribute-equal-value.html) | $("[href='default.htm']") | 所有带有 href 属性且值等于 "default.htm" 的元素 |

**By.**CSS\_SELECTOR ,‘ #id ’

**By.**XPATH

**By.**CLASS\_NAME

webdriver.Chrome().page\_source

PyQuery(webdriver.Chrome().page\_source)

.doc(‘.class’)

.find(‘.class’).attr(‘href属性值’)

.find(‘.class’).text()

doc(‘’)CSS选择器现在就相当于jQuery里面的$符号