

Python - Selenium

<https://linuxhint.com/selenium-web-automation-python/>

Installation

```
python3 -m pip install selenium
wget -N
https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb -P
~/
sudo dpkg -i --force-depends ~/google-chrome-stable_current_amd64.deb
```

<https://sites.google.com/a/chromium.org/chromedriver/downloads>

```
sudo cp ~/Downloads/chromedriver /usr/local/bin/
```

basics

```
from selenium import webdriver
driver = webdriver.Chrome()
driver.get("http://google.com")
search_box = driver.find_element_by_name("q")
print(search_box)

search_button = driver.find_element_by_name("btnK")
search_button.click()

search_box.clear()
search_box.send_keys("test")

from selenium.webdriver.common.keys import Keys
search_box.send_keys(Keys.RETURN)
```

warten auf element

<https://stackoverflow.com/a/59130336/15030988>

itemliste

```
results=driver.find_elements(By.CSS_SELECTOR,"dt[class=ui-datalist-item]")
#get multiple elements matching the selector
```

```
for i in results:
    data=i.find_element_by_css_selector('div[id*=indexSearchResultForm] >
span').text #search item below current element
```

einfache Klasse

```
class simplebrowser:
    def __init__(self,driver):
        self.driver = driver
        self.wait = WebDriverWait(self.driver, 10)

    def search(self,text):
        print("searchstring: ",text)
        resultlist=[]
        try:
            self.driver.get(SB_SEARCH_URL)
            searchbox=self.wait.until(presence_of_element_located((By.CSS_SELECTOR,
"input[id*=SearchBox]")))
            searchbox.send_keys(text + Keys.RETURN)
            ...
            resultlist.append(data)
        except Exception as e:
            print("error:",e.message)
        finally:
            return resultlist
```

Tabs

ungetested: <https://stackoverflow.com/questions/28431765/open-web-in-new-tab-selenium-python>

<https://www.browserstack.com/guide/how-to-switch-tabs-in-selenium-python>

<https://www.lambdatest.com/blog/python-selenium-switch-tabs/>

From:
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