



Data Analytics PT - RMT

Selenium with Python

What is Selenium?



Why Selenium? Have you ever had troubles scraping some web pages?

Common methods

Locating Element – New Way

One element

- `find_element(By.CLASS_NAME)`
- `find_element(By.NAME)`
- `find_element(By.XPATH)`
- `find_element(By.LINK_TEXT)`
- `find_element(By.PARTIAL_LINK_TEXT)`
- `find_element(By.TAG_NAME)`
- `find_element(By.ID)`
- `find_element(By.CSS_SELECTOR)`



Locating Elements – New Way

Multiple elements:

- `find_elements(By.CLASS_NAME)`
- `find_elements(By.NAME)`
- `find_elements(By.XPATH)`
- `find_elements(By.LINK_TEXT)`
- `find_elements(By.PARTIAL_LINK_TEXT)`
- `find_elements(By.TAG_NAME)`
- `find_elements(By.ID)`
- `find_elements(By.CSS_SELECTOR)`



Locating Elements - Old

One element

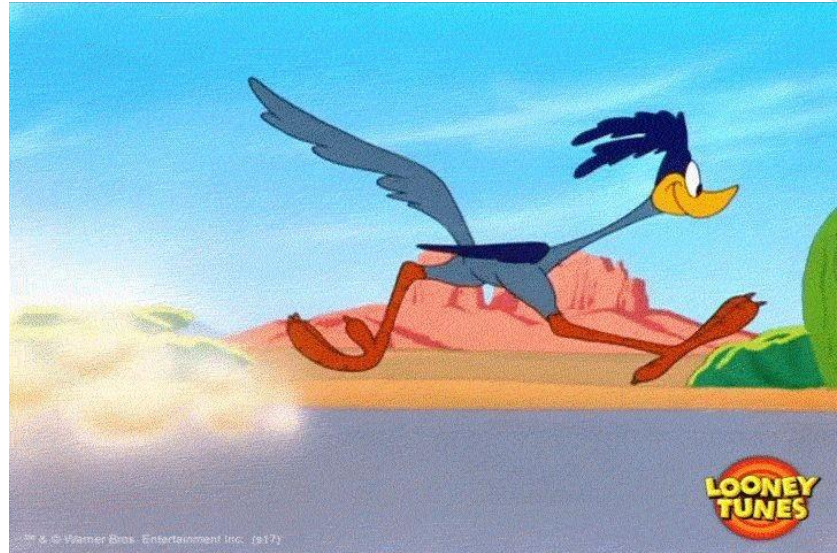
- `find_element_by_id`
- `find_element_by_name`
- `find_element_by_xpath`
- `find_element_by_link_text`
- `find_element_by_partial_link_text`
- `find_element_by_tag_name`
- `find_element_by_class_name`
- `find_element_by_css_selector`



Locating Elements - Old

Multiple elements

- `find_elements_by_name`
- `find_elements_by_xpath`
- `find_elements_by_link_text`
- `find_elements_by_partial_link_text`
- `find_elements_by_tag_name`
- `find_elements_by_class_name`
- `find_elements_by_css_selector`



Other Methods

click()

Other Methods

`click()`

`send_keys("desired string")`

Other Methods

`click()`

`send_keys()`

`send_keys(Keys.ENTER) ... DELETE; CONTROL; BACK_SPACE ...`

Other Methods

`click()`

`send_keys()`

`send_keys(Keys.ENTER) ... DELETE; CONTROL; BACK_SPACE ...`

`get_attribute('href')`

`...`

Other Methods

`click()`

`send_keys()`

`send_keys(Keys.ENTER) ... DELETE; CONTROL; BACK_SPACE ...`

`get_attribute('href')`

`.text`

`...`

Project

Are you tired of going
through all job posts one by
one on LinkedIn?

Project



Demo
Time

References:

- [WebDriver :: Documentation for Selenium](#)
- [Selenium with Python – Selenium Python Bindings 2 documentation](#)
- [Press Enter, Tab, Space, Shift, Control, Arrow Keys in Selenium](#)
- [Difference Between Static & Dynamic Websites: Examples & Features List](#)
- [Selenium Tutorial – Learn How To Perform Automation Testing Using Selenium WebDriver](#)



Thank you

Let's get started!