

20. Customized Locators - CSS Selector

CSS Selectors

1. If we want to identify an element in a complex web page only one attribute is not enough different combinations of id, class, attribute along with **Tag Name** are used.
2. **CSS (Cascading Style Sheets)** Selectors in Selenium are used to identify and locate web elements based on their id, class attributes and other attributes.
3. CSS is a preferred locator strategy as it is simpler to write and faster as compared to XPath.
4. Tag is optional in CSS Selector.

We can write CSS selectors in different ways

CSS Selector	Syntax	
	with tag_name	without tag_name
tag id	tagname#valueofId	#valueofId
tag class	tagname.valueofClass	.valueofClass
tag attribute	tagname[attribute=value]	[attribute=value]
tag class attribute	tagname.valueofClass[attribute=value]	.valueofClass[attribute=value]

[CSSSelector.py](#)

```
from selenium import webdriver
```

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

```
options = webdriver.ChromeOptions()
```

```
options.add_experimental_option("detach", True)
```

```
driver = webdriver.Chrome(options=options)
```

```
driver.get("https://demowebshop.tricentis.com/")
```

```
driver.maximize_window()
```

```
driver.implicitly_wait(10)
```

tagname & id

```
driver.find_element(By.CSS_SELECTOR, "input#small-searchterms").send_keys("T-shirts")
```

```
driver.find_element(By.CSS_SELECTOR, "#small-searchterms").send_keys("T-shirts")
```

tagname & class

```
driver.find_element(By.CSS_SELECTOR, "input.search-box-text").send_keys("T-shirts")
```

```
driver.find_element(By.CSS_SELECTOR, ".search-box-text").send_keys("T-shirts")
```

tagname & attribute

```
driver.find_element(By.CSS_SELECTOR, "input[value='Search store']").send_keys("T-shirts")
```

```
driver.find_element(By.CSS_SELECTOR, "input[name='q']").send_keys("T-shirts")
```

tag & class & attribute

```
driver.find_element(By.CSS_SELECTOR, "input.search-box-text[value='Search  
store']").send_keys("T-shirts")
```

```
driver.find_element(By.CSS_SELECTOR, ".search-box-text[value='Search  
store']").send_keys("T-shirts")
```

```
driver.quit()
```