Working with Select in Selenium

In [46]:
```
import selenium
from selenium import webdriver as wb
from selenium.webdriver.support.ui import Select
# select used for selecting drop down option inspect HTML CODE
```

In [47]:
```
webD=wb.Chrome('C:\Program Files (x86)\chromedriver.exe')
```

In [48]:
```
#webD.get('http://localhost:8000/')

webD.get('file:///E:/SOIS-Manipal/PDV/selenium/Data-Science-with-python/selenium/
```

In [13]:
```
# someForm=webD.find_element_by_class_name('form1')
```

In [14]:
```
# someForm.text
```

In [49]:
```
webD.find_elements_by_name('dropDown')
```

Out[49]:
```
[<selenium.webdriver.remote.webelement.WebElement (session="929e619f4009b024e6b
819a2cb149edb", element="a87873d8-9295-48fd-833d-49da8b78335c")>,
 <selenium.webdriver.remote.webelement.WebElement (session="929e619f4009b024e6b
819a2cb149edb", element="9d1db8fc-3fd5-4559-b923-ed37f279d183")>]
```

In [50]:
```
select = Select(webD.find_element_by_name('dropDown'))
```

In [51]:
```
for i in select.options:
    print(i.text)
```

```
Option1
Option2
Option3
Option4
```

In [52]:
```
selectN=Select(webD.find_elements_by_name('dropDown')[1])
```

In [53]:
```
selectN.select_by_value('Option3')
```

In [13]:
```
select.select_by_value('Option4')
```

In [45]:
```
for i in select.options:
    print(i.text)
```

```
Option1
Option2
Option3
Option4
```

Extracting complete table from an HTML

In [ ]:
```
# webD=wb.Chrome('chromedriver.exe')
```

In [ ]:
```
# webD.find_element_by_xpath('//*[@id="main"]/div[3]/div')
```

In [57]:
```
import pandas as pd
```

In [58]:
```
pd.read_html('file:///E:/SOIS-Manipal/PDV/selenium/Data-Science-with-python/seler
```

Out[58]:
```
[        Month Savings
 0     January    $100
 1    February    $110
 2       March    $120
 3       April    $130
 4         May    $140
 5        June    $130
 6        July    $150
 7      August    $120
 8   September    $160
 9     October    $130
 10   November    $230]
```

In [59]:
```
pd.read_html('file:///E:/SOIS-Manipal/PDV/selenium/Data-Science-with-python/seler
```

Out[59]:

	Month	Savings
0	January	$100
1	February	$110
2	March	$120
3	April	$130
4	May	$140
5	June	$130
6	July	$150
7	August	$120
8	September	$160
9	October	$130
10	November	$230

Some Website have iFrames for table in such case,

1. get the iFrame, then this iframe will be HTML Page.
2. use .t function call to get the text.
3. Then pass it to read_html to get the table from the web site.

Scrolling in Selenium

In [61]:
```
webD.execute_script("window.scrollTo(0, 200)")  #using javascript way
```

In [62]:
```
webD.execute_script("window.scrollTo(0, 800)")
```

Here 0, 400 and 800 are pixel positions

In [63]:
```
webD.execute_script("window.scrollTo(0, document.body.scrollHeight)")
```

What about infinte scrolling

while loop :

webD.execute_script("window.scrollTo(500, 800)")

In [ ]:
```

```