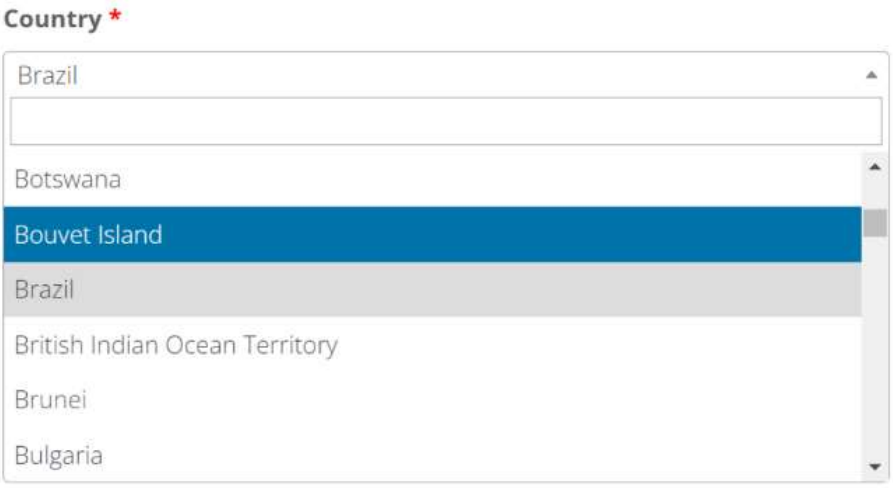
30. Handling Dropdowns - 2

Dropdowns

- ➔ Dropdown with Input Box
- ➔ Sorted Dropdown

Dropdown with Input Box



DropDownwithInputBoxDemo.py

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys
from selenium.webdriver.support.ui import Select
opt = webdriver.ChromeOptions()
opt.add_argument("--start-maximized")
opt.add_experimental_option("detach",True)
driver = webdriver.Chrome(options=opt)
driver.implicitly_wait(10)
driver.get("https://www.dummyticket.com/dummy-ticket-for-visa-application/")
```

Approach 1: Using Select class

```
country_dropdown_element = driver.find_element(By.XPATH, "//select[@id='billing_country']")
country_dropdown = Select(country_dropdown_element)
options = country_dropdown.options
for option in options:
  if option.text == "Spain":
     option.click()
     break
```

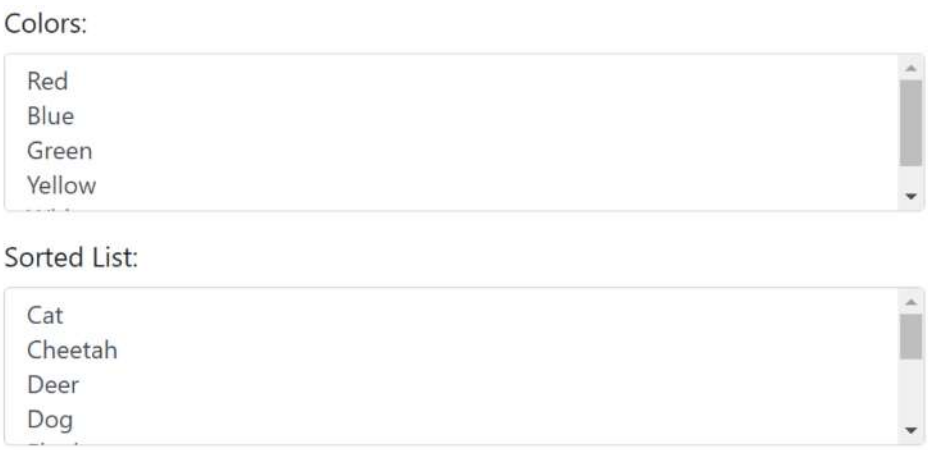
Approach 2: Using XPath

```
driver.find_element(By.XPATH, "//span[@aria-label='Country']//span[@role='presentation']").click()
options = driver.find_elements(By.XPATH, "//select[@id='billing_country']//option")
for option in options:
  if option.text == "Spain":
     option.click()
     break
```

Approach 3: Using input box

```
driver.find_element(By.XPATH, "//span[@aria-label='Country']//span[@role='presentation']").click()
driver.find_element(By.XPATH, "//input[@role='combobox']").send_keys("Spain" + Keys.ENTER)
driver.quit()
```

Sorted & Un-sorted Dropdowns



SortedDropDownDemo.py

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import Select
opt = webdriver.ChromeOptions()
opt.add_experimental_option("detach",True)
driver = webdriver.Chrome(options=opt)
driver.implicitly_wait(10)
driver.get("https://testautomationpractice.blogspot.com/")
driver.maximize_window()
```

This is a Unsorted dropdown

```
drop_down_element = driver.find_element(By.XPATH, "//select[@id='colors']")
```

This is a sorted dropdown

```
drop_down_element = driver.find_element(By.XPATH, "//select[@id='animals']")
```

Create Select object

```
drop_down = Select(drop_down_element)
```

Create two lists: one for original and one for sorted version

```
original_list = []
temp_list = []
```

Get all the options from the dropdown

```
for option in drop_down.options:
  original_list.append(option.text)
  temp_list.append(option.text)
print("Before sorting.....")
print(f"Original List: {original_list}")
print(f"Temp List: {temp_list}")
```

Sort the temp_list

```
temp_list.sort()
print("After sorting.....")
print(f"Original List: {original_list}")
print(f"Temp List: {temp_list}")
```

Compare the original and sorted list

```
if original_list == temp_list:
   print("Drop Down is sorted..")
else:
   print("Drop Down is Not sorted..")
driver.quit()
```