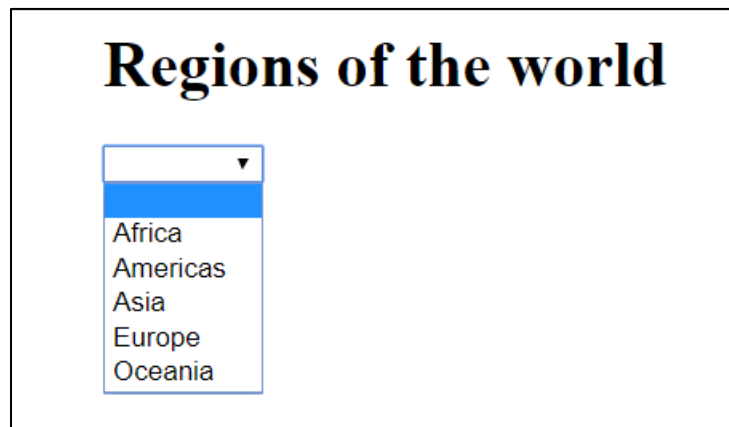


You are expected to complete this exercise during your lab session, show the lab instructor your work, and submit it into the D2L lab site for COMP1536. If you do not finish, then submit whatever you have by 11:00 PM on the day of your lab for late marking. This will, however, cost you a deduction of 10% of the maximum mark.

The objective of this lab is to familiarize you with accessing JSON objects using jQuery.

## STARTUP

Start by downloading and extracting a file named *world\_regions.zip*. Rename the *world\_regions* folder to *LastName\_Firstname\_jQuery*. The *world\_regions* folder contains only one file named *index.html*. When viewed in a browser, *index.html* renders the following:



Go to <https://restcountries.eu> and search for “Search by region”. You will discover that, according to this web site, the world is divided into the above regions.

If you want to access the JSON array that represents countries in *Africa* then you would make an HTTP request using URL <https://restcountries.eu/rest/v2/region/africa>. If you try this in Chrome it should return all the countries in Africa.









## YOUR MISSION:

You will add jQuery logic into *index.html* so that when a region is selected then the countries in that region are displayed. As an example, the following 60 countries are displayed if *Africa* is selected:

# Regions of the world

Africa ▾

Number of countries: 60

Country	Capital	Population	Flag
Algeria	Algiers	40400000	
Angola	Luanda	25868000	
Benin	Porto-Novo	10653654	
Botswana	Gaborone	2141206	
British Indian Ocean Territory	Diego Garcia	3000	
Burkina Faso	Ouagadougou	19034397	
Burundi	Bujumbura	10114505	
Cameroon	Yaoundé	22709892	

## HINTS:

- Use Bootstrap
- Set the style for the population column so that text is aligned to the right
- Fix the width of the flag to, say, 60px
- Checkout the examples from the lecture of last Friday

## SUBMISSION

- Show your work to the lab instructor who will give you a mark on the spot.
- Zip all the files comprising your web site to filename *LastName\_FirstName\_set\_week13.zip*. (example: *Doe\_Jane\_1B\_week13.zip*) and upload it to the *Week-12* drop-box in D2L.

### COMP1536 jQuery lab exercise marking guide:

Name \_\_\_\_\_ Set \_\_\_\_\_

Task	Max Mark	Actual Mark
Drop-down list selection triggers change to the displayed countries	4	
Countries that pertain to a region are neatly displayed	4	
Solution exclusively uses jQuery code	2	
<b>TOTAL:</b>	<b>10</b>	

