



Website Building: Weekend Assignment

JavaScript – Covid-19 API

The following exercise contains the following subjects:

- HTML + CSS + JavaScript

Submitting instructions:

- Push the entire folder hierarchy of the project to your own repository on Github.
- Please add the following:
 - A link to the repository
 - Free text – a description of the app. Stuff you found hard to implement, known bugs, and your assignment review.

Our APIs:

We want to build a covid 19 statistic web app.

We will get the covid stats from [this API](#).

We will get the list of countries per continent from [this API](#).

We want to display our data on graphs. We will use [this library](#) for it.

Features:

1. We want the ability for the user to choose statistics between continents.

Problem

We have a problem our covid API needs to give us the ability to choose statistics between continent countries. But it only gives you statistics on the whole world.

Solution

The solution is to call our country's API and choose from there the specific continent you want the list of countries from and compare those countries to our covid 19 countries.

2. The statistics we want from each country are the following:

- Confirmed Cases
- Number of Deaths
- Number of recovered
- Number of critical condition

We want the ability to choose what statistics we want to see and display them on a graph.

3. When you click on a specific continent, you also have the ability to choose an individual countries statistics of that particular continent. Stats should include at least the following:

- total cases
- new cases
- total deaths
- new deaths
- total recovered
- in critical condition

Everything should be dynamic

- You should not hard code any country or country statistics.
- Keep it DRY! If you see code repeating itself, put it in a function and have parameters change the individual pieces of code that need to be changed.

for example:

You have a function to search for countries of a specific continent. You will

give as a parameter the continent you want your API to fetch for.

- Have your functions only take care of a specific piece of logic in your application.

Ninja:

1. Add more features. You can do much more with this API
2. Make it look pretty
3. Tweak the performance. Maybe local storage can help us here?
4. Create a spinner when the data is loading.
5. Disable the buttons when you send an API request. Now what happens is you can click numerous times on a button and it will send numerous times an API request. But we really only need one.