

# Code Test

## Covid-19 panel

The purpose of this test is to implement a frontal that shows information regarding to Covid-19 disease on the world.

For that, we'll have data in 2 formats, one in a local json file and another through an api, which will allow us to have daily updated data.

Therefore, the task is divided into 2 exercises described below.

An approximation of the result could be this:

### Exercise 1

#### Datos globales Covid-19

Aquí mostramos información sobre los datos globales a nivel mundial del impacto de la enfermedad Covid-19

Nuevos confirmados

**95.76 k**

Total confirmados

**5.68 M**

Nuevos fallecidos

**4.32 k**

Total fallecidos

**357.19 k**

Nuevos recuperados

**55.22 k**

Total recuperados

**2.29 M**

To help you show the data, you can make use of our components library called Ola. It's recommended use it and we'll appreciate it.

Ola is our design system and all our products are based on it. It's very easy to use and you can find all the information and examples here:

<https://github.com/marketgoo/Ola>

Examples of how each component works:

<https://marketgoo.github.io/Ola/?path=/story>

For the exercises, we've used these:

1 - Panel (<https://marketgoo.github.io/Ola/?path=/story/panel--all-elements>)

2 - Metric (<https://marketgoo.github.io/Ola/?path=/story/metric--default>)

To use Ola, just install the lib with `npm i @marketgoo/ola` or `yarn add @marketgoo/ola`

You need to include the necessary css from the library, simply by doing this anywhere in your code:

```
import "@marketgoo/ola/dist/index.css"
```

## Exercise 1

Based on a file called `covid19.json`, we want to implement a screen that shows this data:

- New confirmed
- Total confirmed
- New deaths
- Total deaths
- New recovered
- Total recovered

The structure of the json file is as follows:

```

{
  "Global": {
    "NewConfirmed": 95756,
    "TotalConfirmed": 5677213,
    "NewDeaths": 4319,
    "TotalDeaths": 357189,
    "NewRecovered": 55218,
    "TotalRecovered": 2286305
  },
  "Countries": [ ... ],
  "Date": "2020-05-27T09:08:06Z"
}

```

Things we'll value (although it is not mandatory):

- The quantities shown are formatted.
- Responsive implementation.

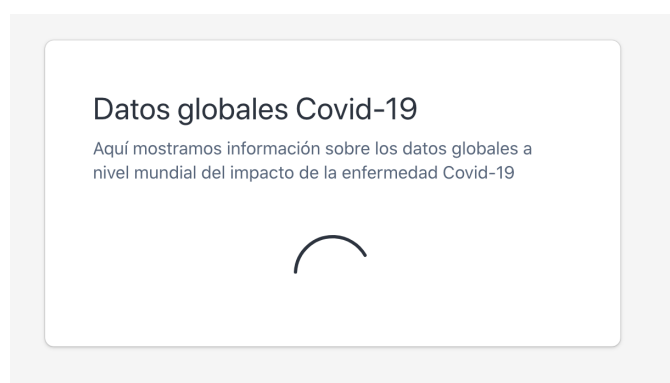
## Exercise 2

Implement exactly the same as in exercise 1 but with the difference that the data will be obtained through this api:

<https://api.covid19api.com/summary>.

In this case, you'll have to implement the logic to retrieve the data from the api considering the following states:

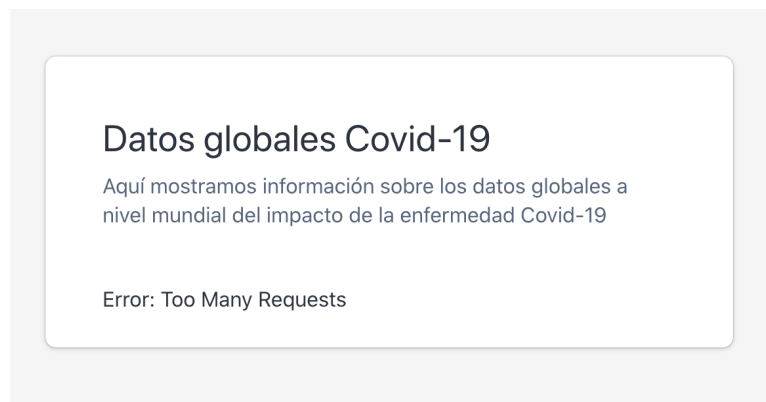
- Making request, busy state, show spinner.



- Received data, show the information.



- Error recovering data, show error message.



Notes:

1 - To display a spinner you can use the one in our Ola library:

<https://marketgoo.github.io/Ola/?path=/story/spinner--viewer>

2 - (optional) This is not mandatory, but you can use the Redux pattern to implement the data flow.

## Exercise 3?

Do you feel like doing more? This is not mandatory, but if you feel like it, feel free to implement anything you can think of where you can show your skills.

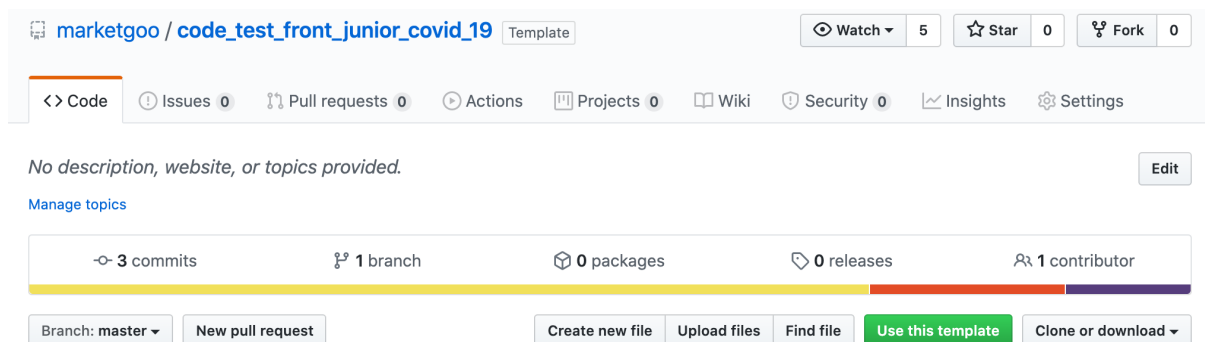
For example, in the api of exercise 2 has much more information by countries, dare you to represent it in a graph or make a search engine by country perhaps? Everything will be valued, besides it's always useful to learn.

## Resources and helper:

To help you get started, we have created a repository-template with the basic structure of the test for both exercises, it already has our Ola library included and all the resources you need to implement the solution. It's created with `create-react-app`

To start working you would only have to do these steps:

1 - Open [https://github.com/marketgoo/code\\_test\\_front\\_junior\\_covid\\_19](https://github.com/marketgoo/code_test_front_junior_covid_19) and click on **Use this template** (green button). This allows you to create a repository for yourself based on this repository (template).



2 - Clone (or download) the repository created:

```
git clone https://github.com/ <your github id> / <project name>
```

2 - `cd <project name>`

3 - Install need libraries: `npm install` or `yarn install` (node 10 is required, you can manage easily your node versions using the tool nvm <https://github.com/nvm-sh/nvm>)

4 - Start: `npm start` or `yarn start`

Note: The file `covid19.json` required for exercise 1 is in the following directory:  
`/src/data/convid19.json`

## How to deliver the test

To submit your solution to the proposed test, send us an email to [dev@marketgoo.com](mailto:dev@marketgoo.com) with a link to your repository with your solution. Use that email to tell us anything you want about your solution (proposed solution, reasoning...).

You can also use that same email ([dev@marketgoo.com](mailto:dev@marketgoo.com)) for any doubt or problem you may have, do not hesitate to ask whatever you want.

## Possible result:

If you want to see a possible final result, you can open this url:

<https://covid19-global-data.firebaseio.com>