

Project description

Background information

We are a team of students who are working on an assignment. A part of the assignment is to outsource the development of an app, which is why we have created this job on Upwork.

Product description

The final product is an app where you can enter the name of a European country (a list of European countries is provided in Appendix 3) and when you click a 'submit' button the app shows information on the given country. The information is provided by the JSON endpoint described in Appendix 1.

Product requirements

The final product is an app that fulfils the following requirements:

- The app must be built using the React Native framework
- The app must be functional on the newest version of iOS and/or Android
- The app fetches and shows all data from the JSON endpoint described in Appendix 1
- The app has a similar design (colours and buttons) as the prototype provided in Appendix 2

Deadline

The app must be delivered via GitHub or similar service no later than December 8th 2020.

Appendix 1 – API documentation

If the URL provided in the table below is not working, this URL can be used as back-up:

<https://www.annemaj.dk/sem3back/api/destination/open/{countryName}>

Method	URL	Response (JSON)
GET	https://www.claesvonh.dk/sem3back/api/destination/open/{countryName}	Country(1)

Request Body and Response Formats

Country (1)

```
{
  "name": String,
  "capital": String,
  "population": Long,
  "currencies": {
    "code": String
  },
  "fxRate": Double,
  "last_update": String,
  "cases": Long,
  "deaths": Long,
  "recovered": Long
}
```

Explanation of the response elements in Country(1):

- **name:** Name of the country
- **capital:** Capital city of the country
- **population:** Total population of the country
- **currencies, code:** 3-digit ISO code for currency code of the country
- **fxRate:** Rate of the country's currency against USD
- **last_update:** Timestamp for latest update of data 'cases', 'deaths' and 'recovered'
- **cases:** Total number COVID-19 cases in the country
- **recovered:** Total number of persons recovered from COVID-19 in the country

Appendix 2 – Design

The design of the app must be similar to this prototype:

Write country name:

Country name	Sweden
Capital	Stockholm
Population	9894888
Currency ISO code	SEK
Currency vs USD	8.5323771179
Covid-19 data last updated	2020-11-30T11:26:03
Total COVID-19 cases	243129
Total COVID-19 deaths	6681
Total COVID-19 patients recovered	0
Infectionrate	2.46 %

The data shown below the 'Submit' button should only be visible after the 'Submit' button has been clicked.

Appendix 3 – List of European countries

For test purposes please use this list of European countries (it is not mandatory that you test the app with all the countries in the list):

- Albania
- Czech Republic
- Denmark
- Andorra
- Austria
- Belgium
- Cyprus
- Estonia
- Finland
- France
- Germany
- Greece
- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Monaco
- Montenegro
- Netherlands
- Portugal
- San Marino
- Slovakia
- Slovenia
- Georgia
- Croatia
- Hungary
- Iceland
- Norway
- Poland
- Sweden