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CST 205: Multimedia Design and Programming

Final Project Documentation

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Information

Members:

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Name:

COVID-19 Statistics

Description:

Our dashboard allows individuals to search for data about COVID-19 by country and view meaningful charts. We also have an information page that displays symptoms, historic timelines, and critical care information. In addition to this, there is a page to see a list of countries ordered by a specific trait, such as Total Deaths, with their current counts.

Design Notes

Native Development (Windows):

```
git clone https://github.com/mike-menendez/205-group-project
cd 205-group-project
python -m venv venv
.\venv\Scripts\activate
pip install -r requirements.txt
uvicorn main:app --reload
```

Native Development (Unix):

```
git clone https://github.com/mike-menendez/205-group-project
cd 205-group-project
python3 -m venv venv
source ./venv/bin/activate
pip install -r requirements.txt
uvicorn main:app --reload
```

Challenges and Solutions:

A challenging part of this project was finding a stable API that accurately provided COVID-19 information. The API we are using has been unavailable at times, resulting in outages on our website. We overcame this problem by adding some error handling that lets users know we're experiencing issues. Additionally, we added a static information page that does not rely on third party resources. Even if the API isn't available this page can still provide helpful information.
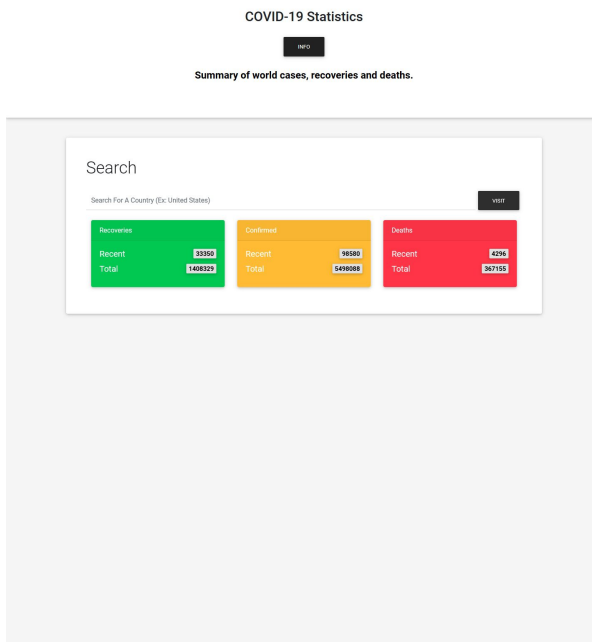
Links

GitHub: https://github.com/mike-menendez/205-group-project

Kanban: https://github.com/mike-menendez/205-group-project/projects/2

Production: http://covid.interviewhigh.com/

Demo

Home Page (/):

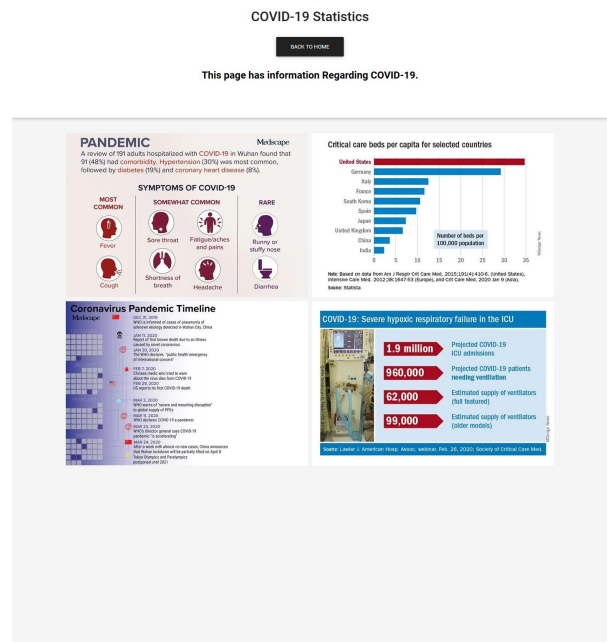COVID-19 Statistics

INFO

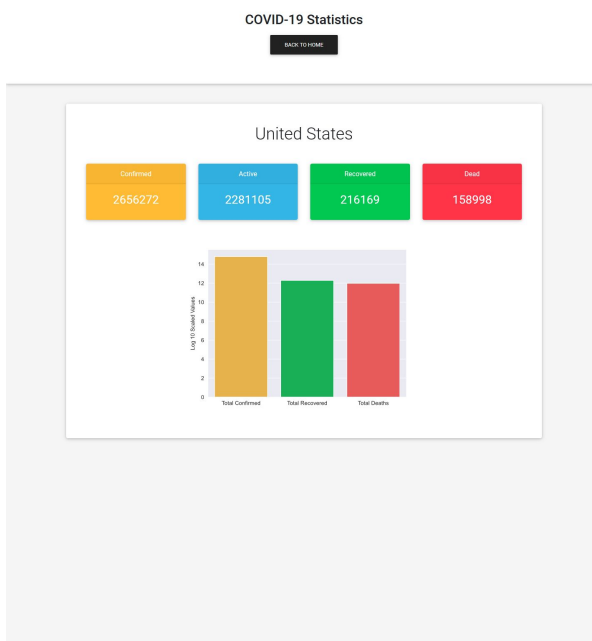**Summary of world cases, recoveries and deaths.**

This is the first page the user sees. They can click on the "INFO" button and be taken to the info page, or they can search for a country. After entering the name of a country in the search box they can click the visit button.
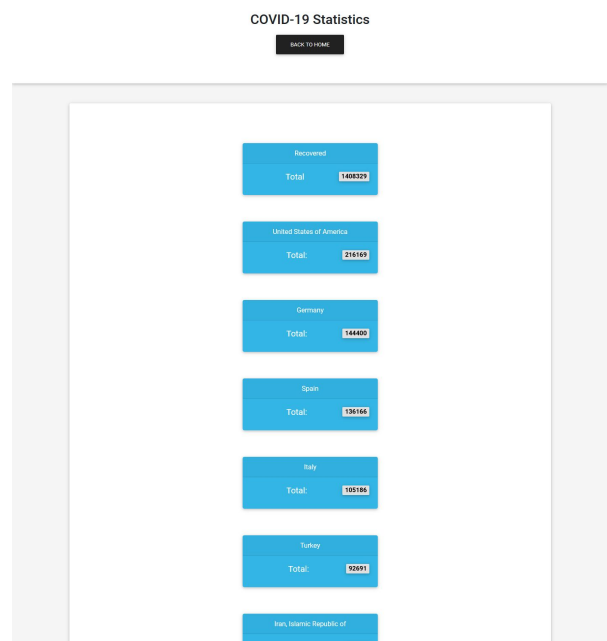
Info Page (/info):

COVID-19 Statistics

BACK TO HOME

This page has information Regarding COVID-19.

This is the info page. The user can click on the "BACK TO HOME" button to go back to the home page.

Country Page (/country/us):

COVID-19 Statistics

BACK TO HOME

This is the country page. The URL path is

All Page (/all/recovered):
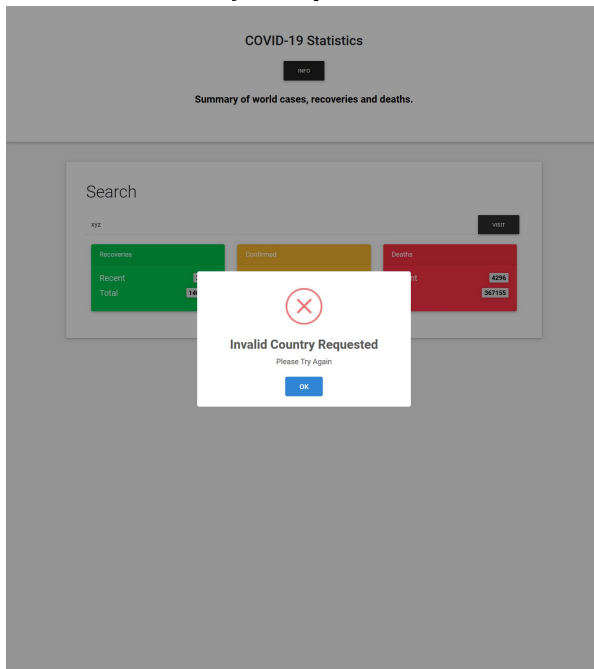
COVID-19 Statistics

BACK TO HOME

This is the all page. The URL path is

determined by what the user typed in at the home page. The user can click on the "BACK TO HOME" button to go back to the home page.
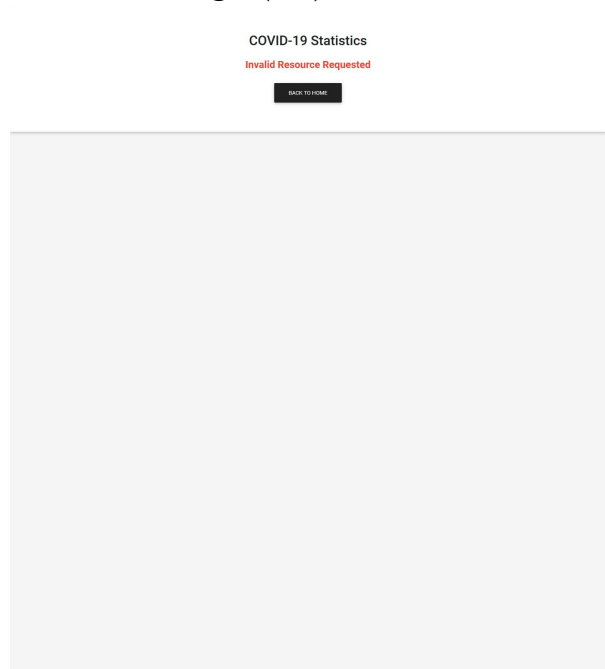
determined by what the user clicked on from the home page. The user can click on the "BACK TO HOME" button to go back to the home page.

Invalid Country Requested:

If a user searches for a country that doesn't match our slug codes (the WHO official name for the country), they will see a modal alert.

404 Error Page (/.*):

If a user attempts to access a resource that doesn't exist, they will see our 404 error page.

References

Berry, E., Clark, K., Franki, R., Neporent, L., Syrek, R. MA. (March 31, 2020). COVID-19 Infographics. Medscape. Retrieved May 11, 2020, from https://www.medscape.com/slideshow/covid-19-infographics-6012689#

John Hopkins University (2020). COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University. GitHub. Retrieved May 11, 2020 from https://github.com/CSSEGISandData/COVID-19

Redelinghuys, K. (2020). COVID19API. Retrieved May 11, 2020, from https://covid19api.com