

Team name: Four c's

Roster: Brandon Chen, Justin Chen, Ethan Chen, Kenneth Chin

Title: TBA

Description:

Our project will be focusing on covid-19. We will visualize statistics like the number of cases, deaths, and cures in the US and other countries both individually and in proportion to total population. There will be graphs to track growth of the virus in multiple countries as well as the ability to compare them. We plan to create bar graphs, line graphs, and maybe even pie charts to represent these statistics.

Roles:

Brandon Chen:

- Worked on the **back-end** in creating some of the graphs and charts.

Justin Chen:

- Handle most of the **front-end** with Python, HTML, and CSS

Ethan Chen:

- Worked on the **back-end** in creating some of the graphs and charts.

Kenneth Chin:

- Worked on the **back-end** in creating some of the graphs and charts.

Sources:

- https://ourworldindata.org/coronavirus-source-data?fbclid=IwAR21D3WJcRxZnkPtV30wHt5-iDi_OKCn3fDVRhVmQJ7GfQwjL-yZ-Rct-ns
- <https://github.com/datasets/covid-19>
- EXPLAIN

Data functionalities:

- Latest confirmed, death, and cured bar graph in US and other countries
- Percent of population infected in a country pie chart
- Growth of cases over time line graph for the US and other countries
- Compare statistics between countries with bar graph

Features

- navigation bar: We will have a navigation bar to allow the user to choose which graph to view
- graphs: each page will hold its specific graph of the number of cases, recovered, and deaths. We will use a combination of line and bar graphs.

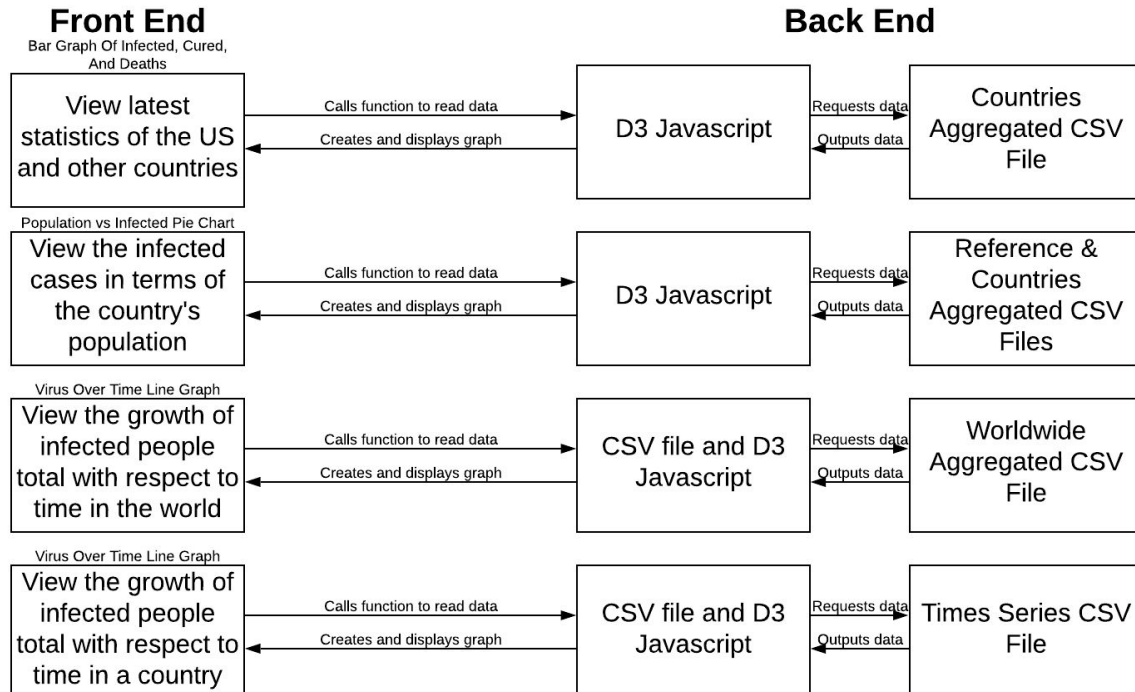
Pages

- index.html
 - Introduce our site and what it does
 - Shows a linear graph of the total worldwide population infected over time
- Countries.html
 - Showcases the statistics on the cases of a given country using three graphs:
 - Bar Graph Of Infected, Cured, And Deaths
 - Population vs Infected Pie Chart
 - Growth Of Virus Over Time Line Graph
- Compare.html
 - Shows the statistics on the cases of two given countries and compares their data on the same graph.

Bootstrap or foundation and why:

Bootstrap because more of us are familiar with it.

Component map:



Functions:

- loadPopulation()

- get the population data off the csv
- processData()
 - process and format data into something we can easily work with
- loadData()
 - get the proper data for a certain graph
- initGraph()
 - Initializes our graph with the proper data
- drawLine()
 - Animates the line graph

Sitemap:

