The SIMPsons — Eric Lam, Joseph Lee, David Lupea , Michael Zhang
SoftDev pd9
P#04 — Let The Data Speak
2020-04-28

CoronaView™

Description

Our project will be a visualization of the spread of COVID-19. We will incorporate our data into an interactable world map, providing a broad overview with the ability to obtain more data by clicking on a region.

Roles

David Lupea - Project Manager
- Enforcing Deadlines
- General Work

Eric Lam - Data Management
- Creating/Maintaining SQL Database
- Data Parsing

Joseph Lee - Backend
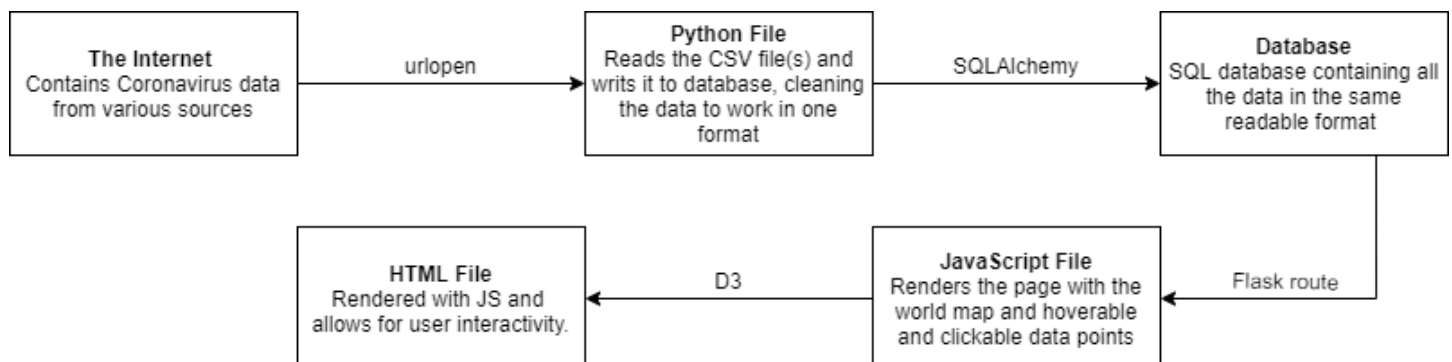- D3 Visualizations
- Filtering Data

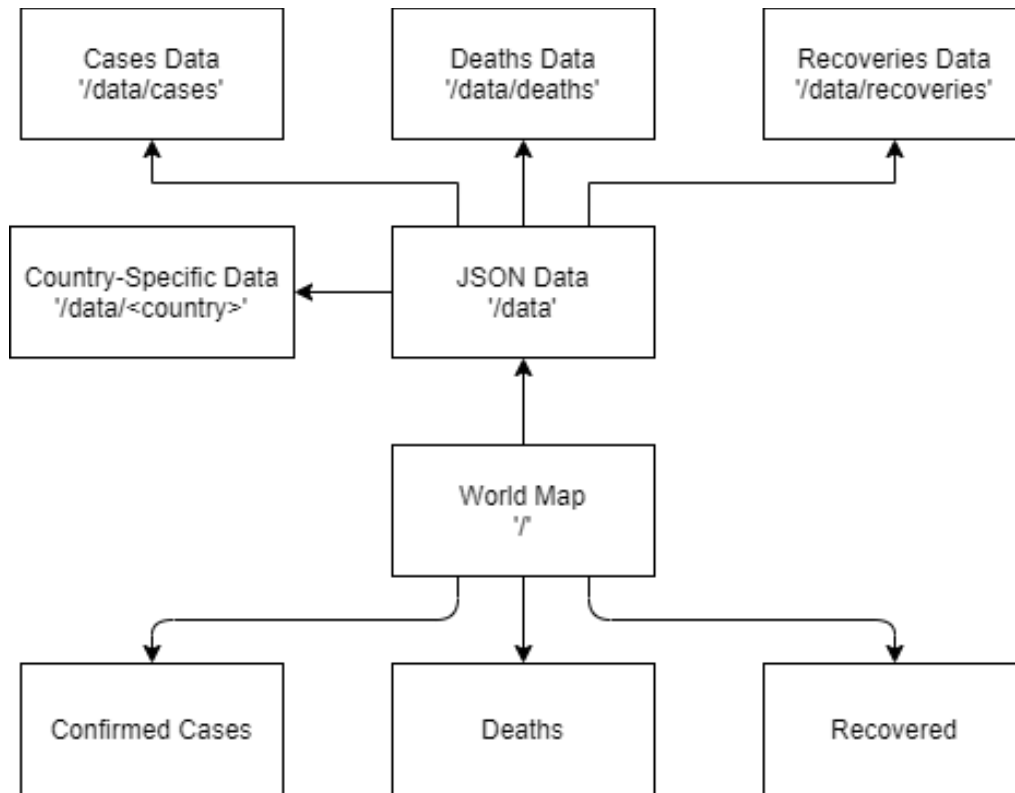Michael Zhang - Frontend
- JS Interactibility
- CSS Styling

Framework: Bootstrap

We choose Bootstrap for its clean aesthetics and customizability. Additionally, our team is most comfortable utilizing Bootstrap, having multiple projects' worth of experience.
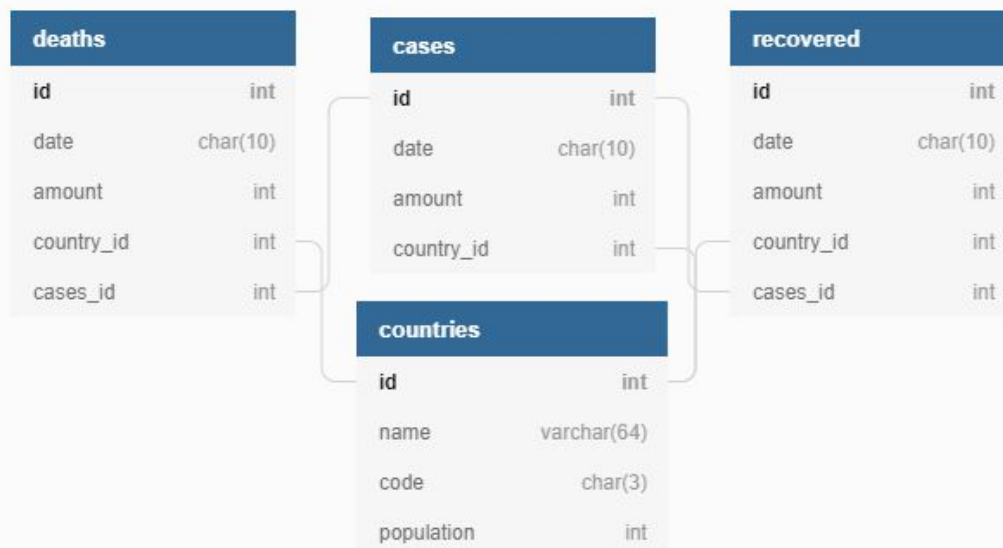
Component Map

Site Map

Database Schema

Data Transfer
1. Python function that retrieves and parses data
2. Flask routes that return jsonified data
3. d3.json('<route>') to bring data to the front end

Project Timeline

Minimum Product (2020-04-30)
- ~~World Map~~
- ~~Animation of COVID 19 Progression~~
- ~~Data on Hover~~

Complete Product (2020-05-04)
- ~~Switch Between Cases, Deaths, Recovered~~
- *Data in Table (Scrapped)*
- ~~Region specific Popover~~

Extra Features (2020-05-11)
- ~~Zoom In on Region when Clicked~~
- ~~More Granular Data~~
- *COVID-19 Economic Impact (Scrapped)*