Team potato_monkeys - William Lin, Jeff Lin, Calvin Chu, Kevin Cai
SoftDev2 Pd9
P04 - Let the Data Speak
2020-04-27

COVID in the World

Roles:
William - Project Manager
Jeff - API data management, front-end
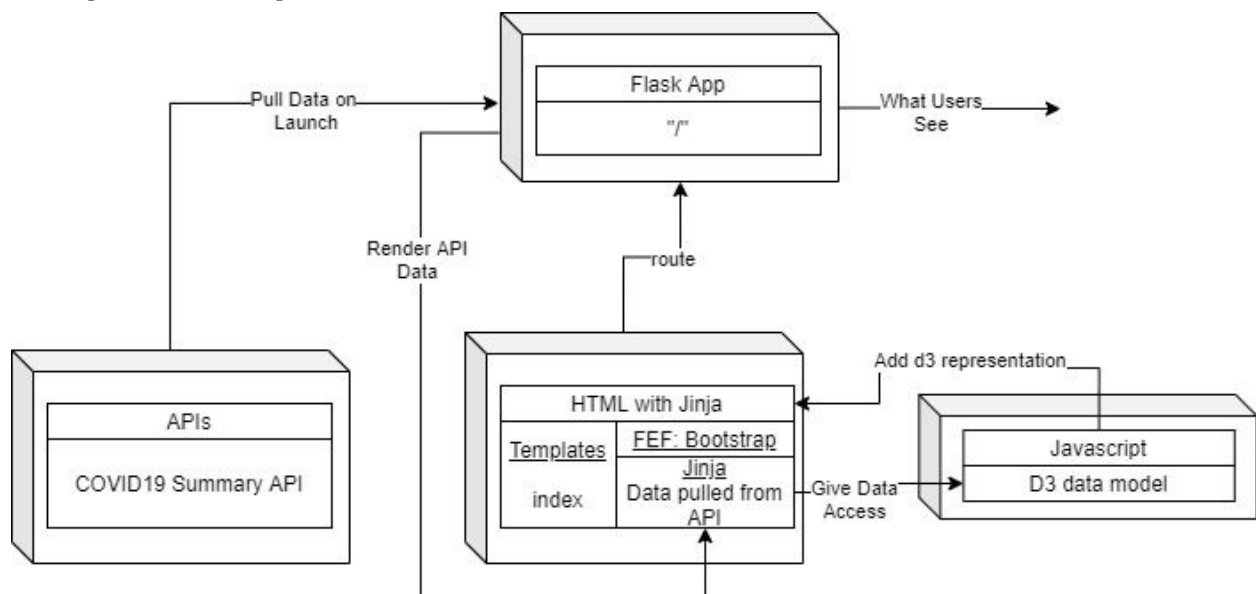Calvin - d3
Kevin - python

Project Objective:
The goal of the project is to create a website hosting a digital representation of data pertaining to global COVID-19 statistics. We plan to visualize our data using a world map for a more general representation, as well as allow users to select to view data for specific countries.
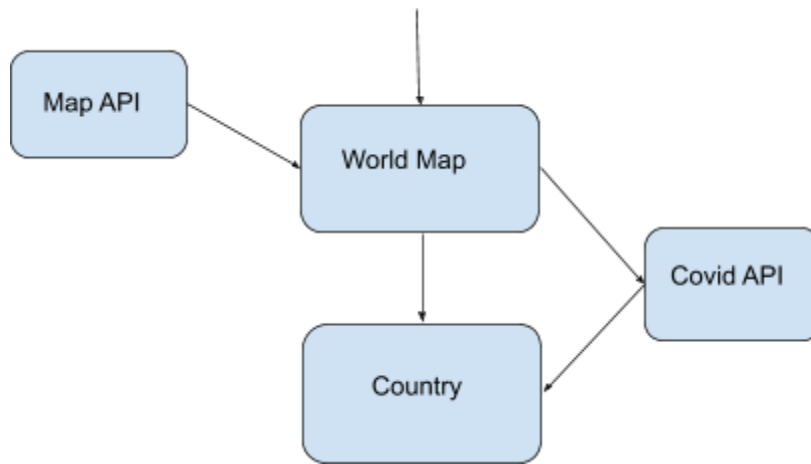
Frontend Framework: Bootstrap
   - Generally more experience of it in the group
   - More available documentation

Component Map:

Site Map:

Data Breakdown:

We plan to pull from the API in the startup phase of the Flask app. The way we plan to send this data from the backend to the frontend is by having our Flask app pass the info to the HTML through variables when rendering the template, storing them in Javascript variables in the HTML for our Javascript file to have access to. With access to this information, our Javascript file will render the correct information accordingly on the website with D3.

Using a world map in D3, we can visualize the case density in each country around the world and offer quick statistics by hovering over each country. We can also use general world data to offer more comprehensive information such as total population and show the number of cases in relation.