**App.py -- flask**

* Connects to database
* Renders templates
* Queries database
* Passes results of queries into dataframes and then to json format

**Api.py – python**

* Collects data in json and csv files
* Sends data to database in the form of tables

**Index.html**

* Creates <divs> or <ids> for maps, plots, and info tables (i.e., top hots spots and daily numbers)
* Includes cdns for plotly and leaflet
* Includes script for all files: logic.js, plot.js, bootstrap, css, choropleth.js
* Needs to have the following code to establish connection with sqllite
  + <script src=”{{ url\_for(‘static’, filename=’js/app.js’) }}”></script>
  + See Dart’s explanation of fullstack on July 18 at minute 28
* Needs code for a dropdown menu with an event listener
  + See Dart’s explanation of fullstack on July 18 at minute 28

**Logic.js**

* Creates choropleth maps with state and county layers calculating hot spots (based current cases by 100K population)

**Plot.js**

* Plots bar graph with national data with the following data: cases, new cases, deaths, new deaths, hospitalizations, ventilators
* Calls in json files and uses map ideas to create variables for trace
* Plots top 10 counties for cases and deaths by per capita
  + See Dart’s explanation of fullstack on July 18 at minute 47

**Css files**

**Bootstrap**

**Database**

* Collects data from The Atlantic (national data only): <https://covidtracking.com/data/api>
* Downloads data from NYTimes (state and county data): github
* Imports state and county population data from csv files
* Stores coordinates for state and county polygons??

**Choropleth.js**

* Contents in js file for Week 17, Day 2, Activity 6

**Config.js**

* Code for leaflet

File architecture

Master File: Coronavirus Dashboard

App.py

* Templates
  + Index.html
* Static
  + Js
    - Logic.js
    - Plot.js
    - Config.js
    - Choropleth.js
  + Css
    - CSS
    - bootstrap
* DB
  + Database
  + Json files with coordinates for states and counties
* Api
  + Api.py