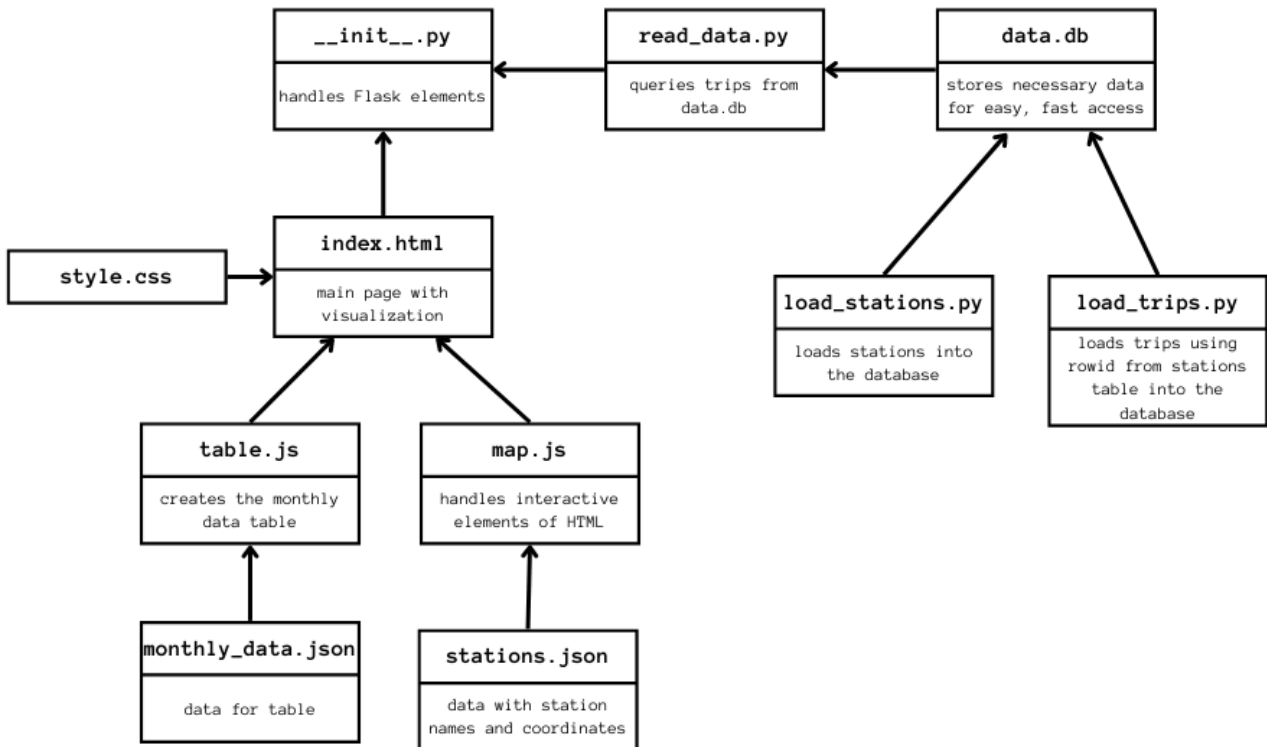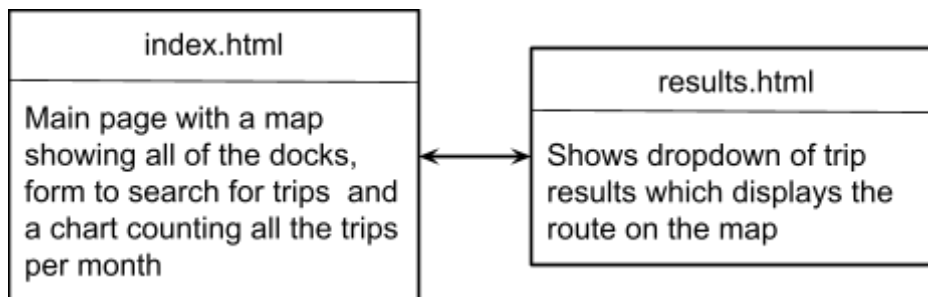**Target ship date: 2023-05-23**

design doc :: CitiBikes by PTSD

TNPG: PTSD; Roster: Maya Mori, Daniel Yentin, Joseph Jeon

Program Component Map:

Site Map:

There will be an interactive map of NYC showing CitiBike docks and routes in 2022 that the user searches for using the form above the map.

Some controls:

- Date, time and trip duration range

- Dropdown for the type of user (CitiBike member and/or not)

- Start and end station IDs

Database:

stations

rowid	station_name	latitude	longitude
	name that the users see when they hover over the station		

trips

trip_duration	month	day	hour	minute	is_member	start_station_id	end_station_id
In seconds						Corresponding rowid in stations	

FEF: We will use Bootstrap because you can use colors and defaults already built in, without using a lot of CSS compared to Foundation.

Tools from Ted Talks we will use:

- Shell scripting to download raw data

Roles:

Droplet - Joseph

Flask - Maya, Daniel

SQLite3 loading data - Maya

Reading data - Daniel,Maya

FEF (Bootstrap) - Joseph

CSS - Joseph

HTML - Joseph

Station markers - Maya

APIs (Google Map API) - Daniel

JS for chart - Joseph