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# Adder-all-the-data

**28th March 2017**

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## PURPOSE

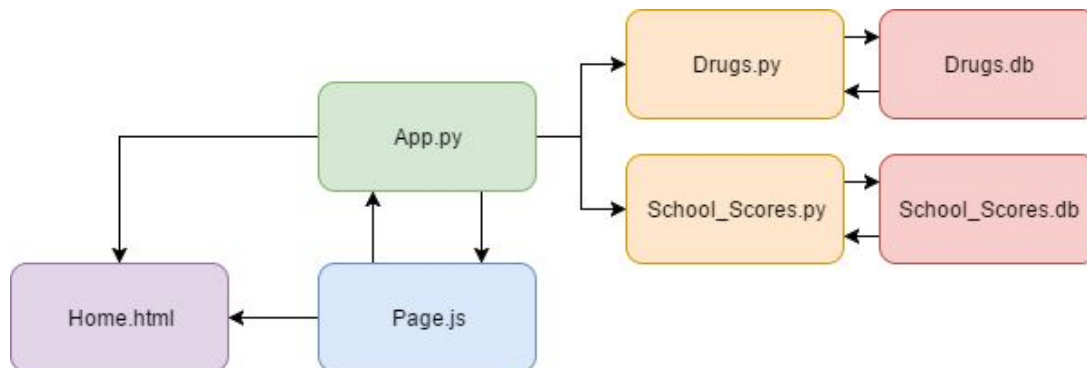
Our site will visualize the relationship between data concerning school scores (GPA and SAT) and substance abuse by state. The visualization will be split into two portions, one describing the United States as a whole, and another for each individual state. A heat map of the United States will be used to demonstrate how closely substance abuse correlates with school scores depending on state. A user may interact with this heat map by clicking on a state in order to get more information. This portion will display various statistics regarding substance abuse of choice, substance abuse based on age groups or family income, school scores overall, as well as how closely correlated these two data sets are.

## FILE TREE

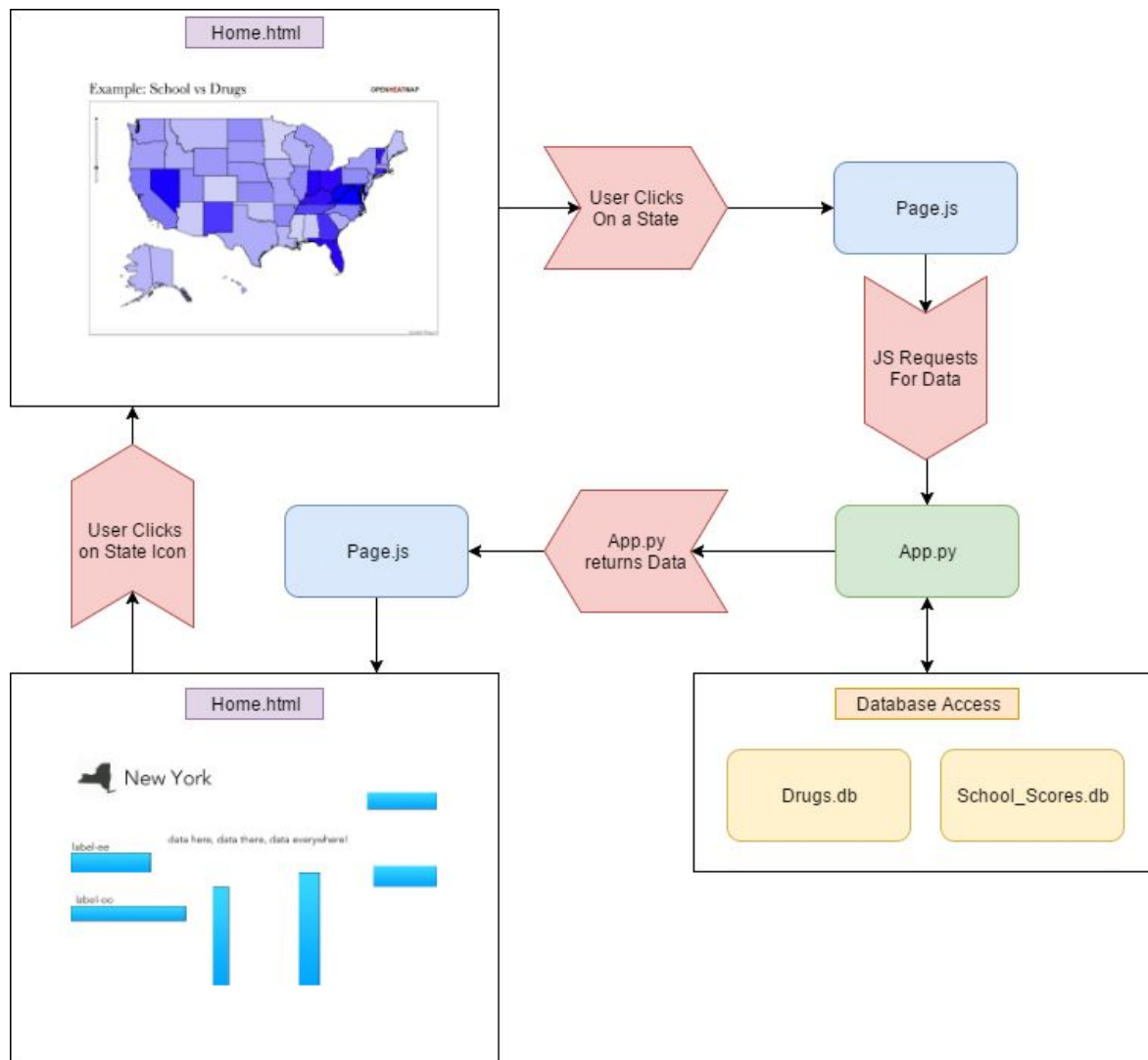
~\adder-all-the-data\

- app.py
- utils\
  - drugs.py
  - school\_scores.py
  - interact.py
- data\
  - drugs.db
  - school\_scores.db
- static\
  - \js\
    - page.js
  - \css\
    - style.css

## COMPONENT MAP



## SITE MAP



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## FILE DISTRIBUTION

app.py

The main flask app file

utils\

drugs.py

- File handling all retrieval of information regarding drugs (different types, usages in each state, etc)

school\_scores.py

- File handling all retrieval of information regarding school scores(different types of tests, scores in each state, etc)

interact.py

- File that converts the data provided by drugs.py and school\_scores.py into a usable format.

data\

drugs.db

- Database file holding all the information regarding drugs

school\_scores.db

- Database file holding all the information regarding school scores

Static\

\js\

page.js

- File handling svg and d3 elements of the page, how users interact with the map of the US, and how they view the data

\css\

style.css

- Responsible for making the site look aesthetically pleasing

## TASK DELEGATION

**U.S. Heat Map:** Emma

**Per-state data Compilation/Interpretation:** Yvonne

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**Transitions/Site layout:** Ayman  
**Project Manager:** Kevin

## **TIMELINE**

**March 29th:** Complete the retrieving of data

**March 30th:** Complete the interpreting/compiling of data

**April 1st:** Complete initial draft of visualization of data (heat-map and per-state)

**April 3rd:** Finish!