Target Ship Date: 6/01/2023
Squirrelz :: Aahan Mehta, Jeff Chen, Weichen Liu
P4 - Steam Data Visualization
Design Doc
04/28/2023

git@github.com:aahanmehta/squirrelz.git

Ideas:

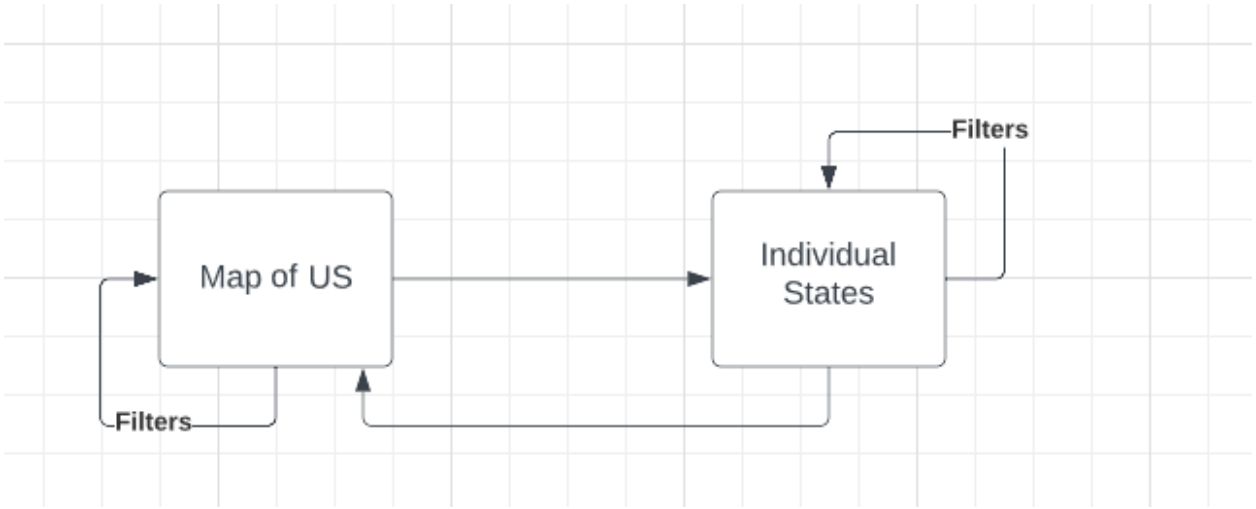
- ☑ ~~Squirrels overview~~
- ☑ ~~Comparing stats of steam games~~
- ☑ ~~Fruits datasets~~
- ☐ UFO sightings correlation with drunk people and car accidents

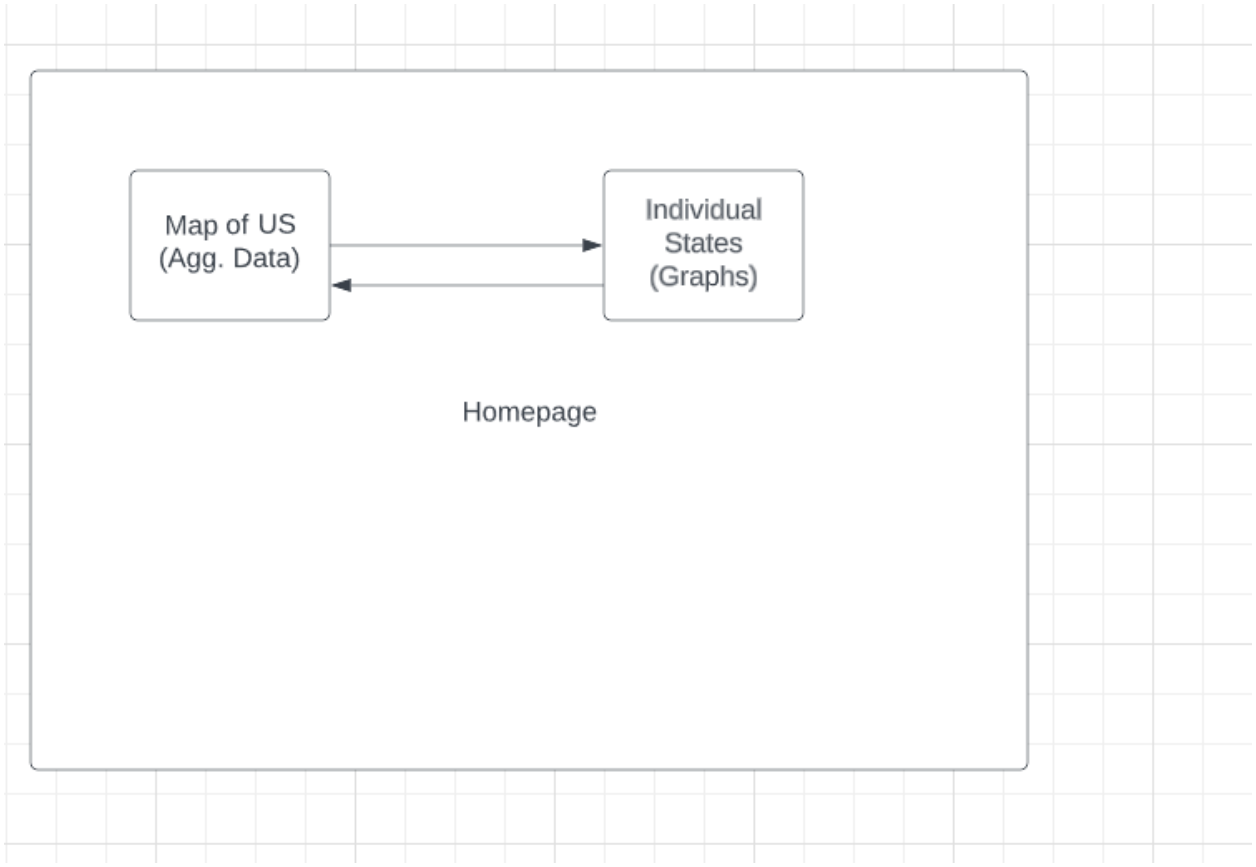
Important Links Containing Datasets:
https://www.kaggle.com/datasets/sobhanmoosavi/us-accidents

https://www.kaggle.com/datasets/linzey/alcohol-consumption-us

https://www.kaggle.com/datasets/NUFORC/ufo-sightings

Website Layout:
(OLD)

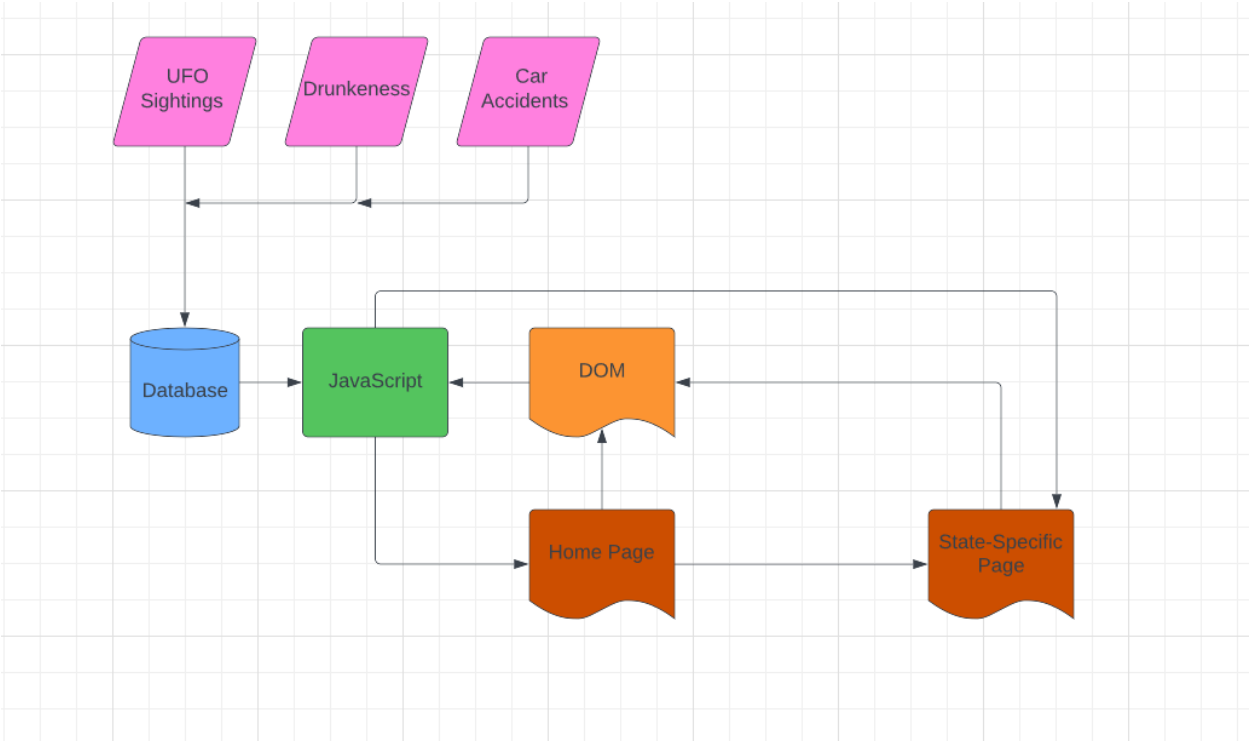


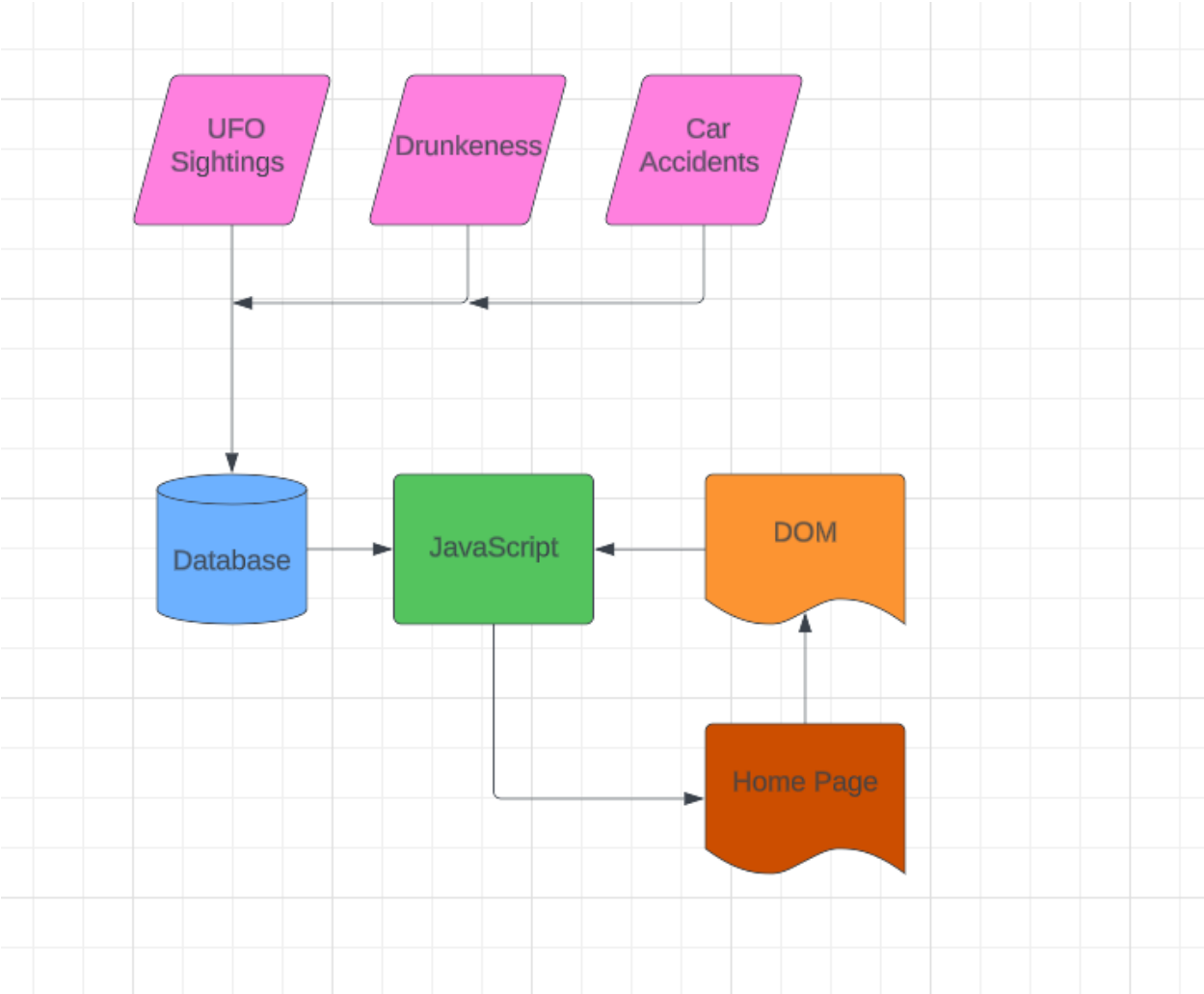


Show entire US with big number, aggregate data.
~~Can click into state for state specifics.~~

Components:

(OLD)





1. Database
    - Hosts the data from the online databases we find. Place to retrieve data from.
2. Frontend
    - Display buttons user can click to interact with databases
    -
3. Flask, Javascript & Python
    - Render frontend pages
    - ~~Set up routes to different sub-pages~~
    - Set up interactive buttons for the user to click
    - Have cool loading animation for each click ** maybe feature **
4. Bootstrap
    - Style our site
5. Data set
    - Downloaded and taken from kaggle.com and will be placed into a db file for SQLite3 accessibility
    - Data will be left on the Droplet

Flask Site Map:

@app.route('homepage')

- Contains a image of the United States with clickable states

~~@app.route('<state>')~~

- ~~Contains the data of the state (template)~~
- ~~One html page, shows the data from the state~~

Database:

	UFO Sightings	**Car Accidents**	**Drunkenness**
State			
Alabama			
Alaska			
…			

	~~**Car Accident Start Coord**~~	~~**Car Accident End Coord**~~	~~**Distance Affected**~~
~~**State**~~			
~~Alabama~~			

~~**State**~~	~~**UFO Sighting Lat**~~	~~**UFO Sighting Long**~~	~~**Duration**~~

~~**APIs:**~~

JS Libraries:

- Leaflet
- D3