



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](https://github.com/aahanmehta/squirrelz.git)

Ideas:

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

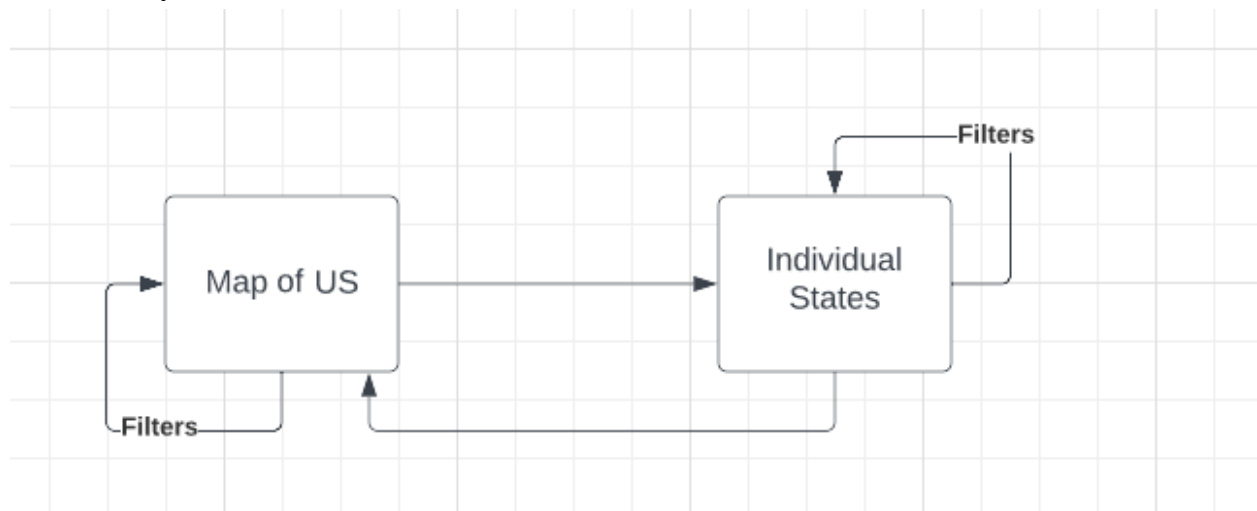
Important Links Containing Datasets:

<https://www.kaggle.com/datasets/sobhanmoosavi/us-accidents>

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

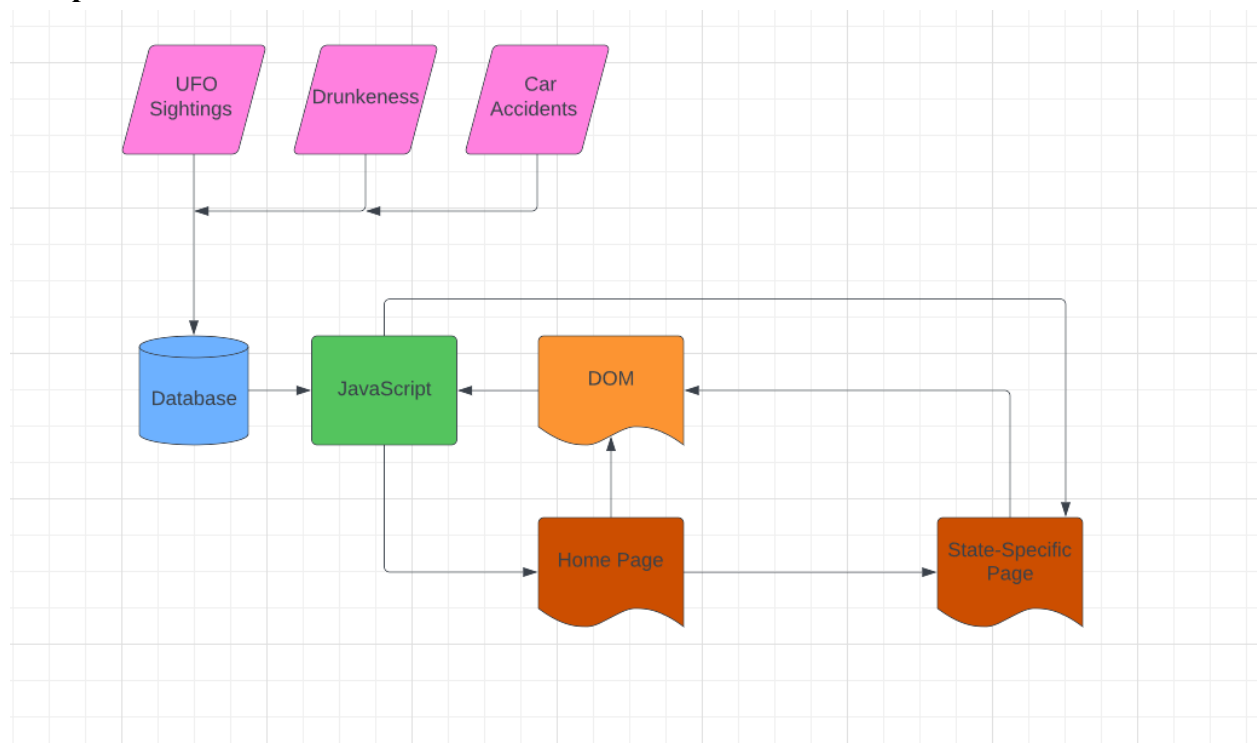
<https://www.kaggle.com/datasets/NUFORC/ufo-sightings>

Website Layout:



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

Components:



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 my wide 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

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: