DESIGN DOC for Team SachalWasHere

Team Members: Kathy, Felix, Brian, Sachal

Role Delegations:

PM: Kathy (Do python flask part and help with maps)
JS Maps: Felix
JS Lines: Brian
JS Bars: Sachal

Description:

In this project we seek to compare the stability of nations and their level of development, to the number and wealth of the billionaires that originate from said nation. In our project, aptly titled: "Billionaires vs State Fragility vs Global Development", we will be using different graphical representative methods to depict the correlations and changes between these values.
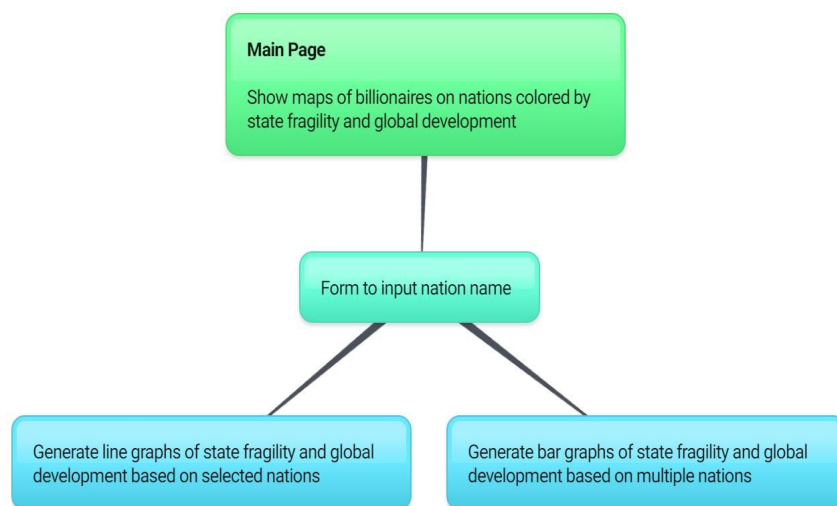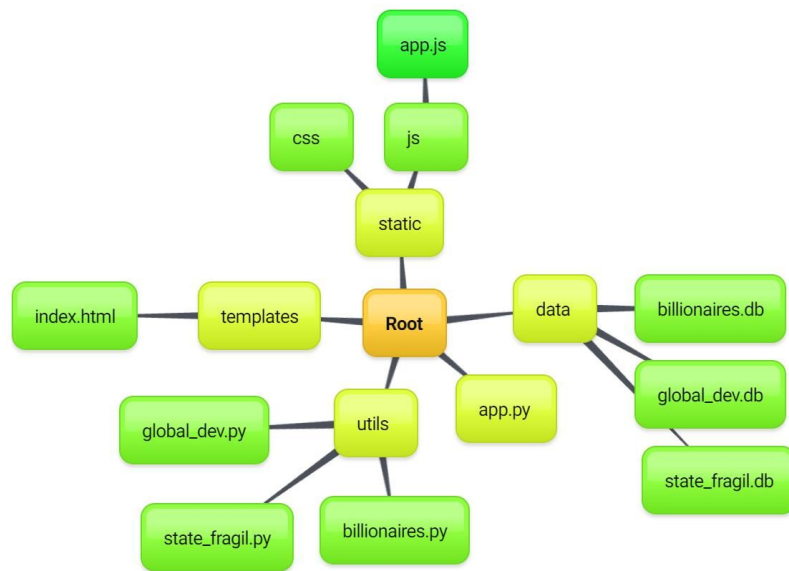
Tools:

Bootstrap
CSV files for data
- Python flask for backend
- JS
    - D3
    - Canvas
    - Ajax

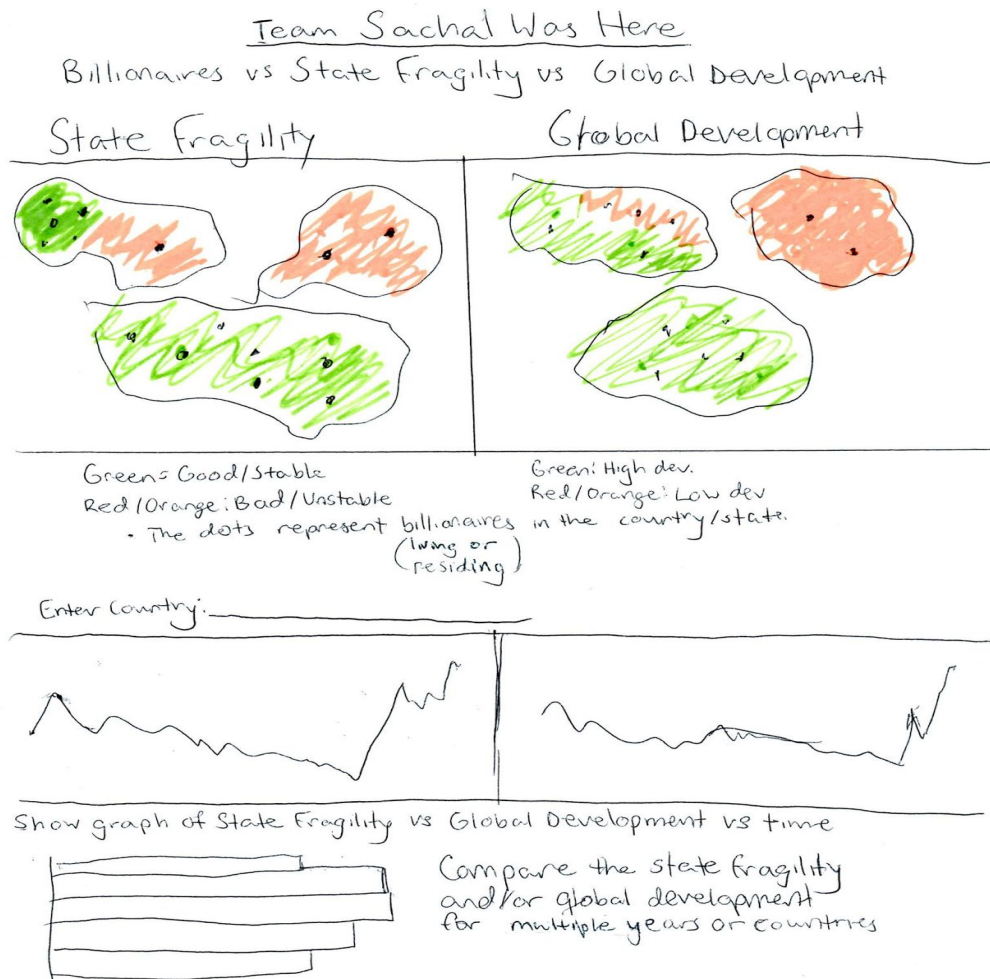## Site Map:

created with www.bubbl.us

Component Map:

Components:

- app.py : creates route to load index, and posts and gets data with ajax
- app.js: has all the js functions to show graphs and animate bars
- index.html: HTML page containing the maps and graphs
- *.db : has all the data from the corgis site
  - Database files given to us by Corgi
- *.py: has the python functions to grab data from the dbs
  - Python script files given to us by Corgi
  - Returns the data in the database files

Basic Mockup:

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Billionaires vs State Fragility vs Global Development

State Fragility	Global Development

Green: Good/Stable
Red/Orange: Bad/Unstable
• The dots represent billionaires in the country/state.
(living or residing)

Green: High dev.
Red/Orange: Low dev

Enter Country: _____

Show graph of State Fragility vs Global Development vs time

Compare the state fragility
and/or global development
for multiple years or countries

Data Sources:

- https://think.cs.vt.edu/corgis/csv/billionaires/billionaires.html
- https://think.cs.vt.edu/corgis/csv/global_development/global_development.html
- https://think.cs.vt.edu/corgis/csv/state_fragility/state_fragility.html

Timeline:

Stage	Due Date	Description
1	3/30	Basic version of all pieces
2	4/2	Finish product
3	4/3	Final Product, test, debug