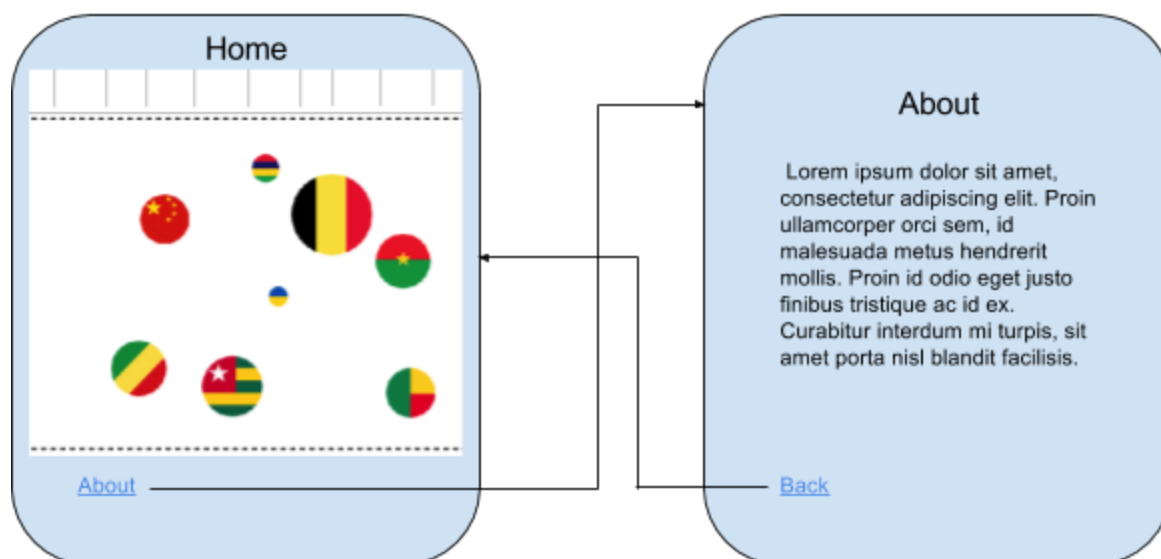


State Fragility Index Graphic Website

Goal: The goal of this project is to graphically portray data about the State Fragility Index. We will be using a Python library from the [CORGIS Data Set](#) to pull and portray data about the countries of the world and the stability of their governments starting in 1995 and going until 2014.

Plan: We plan to show the data using growing and shrinking bubbles. The bubbles will be colored with the flags of the countries to show which country each bubble represents. The larger the bubble the more stable the country is (ie. the SFI is closer to 0). There will be a hover-over slider at the top of the page to allow the user to move through the years (1995-2014). As the user moves the mouse, the bubbles will grow/shrink based on their SFI data. Users will also be able to explore similar graphical displays regarding the Government Legitimacy Index and the Government Effectiveness Index (both of which determine the State Fragility Index when summed). Finally, the user will be able to select up to 10 countries to view at a time with menus at the bottom of the page.

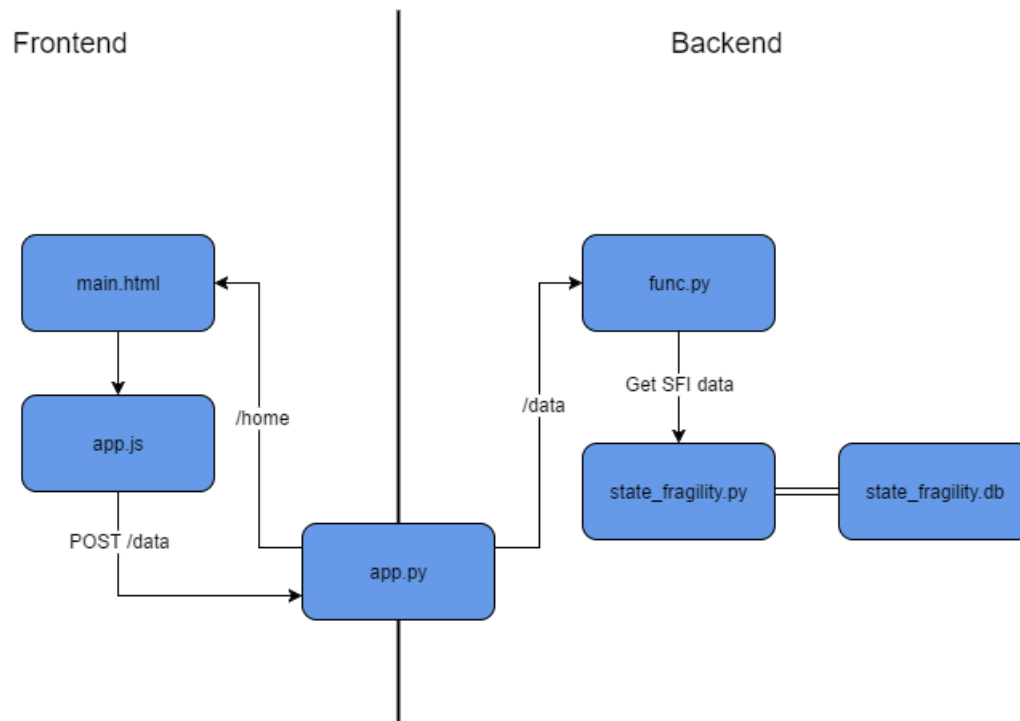
Site Map:



Site Features:

- Hover-over timeline
- Data bubble display region
- Country selection menus
 - Below display region

Component Map:



Component Description:

- `app.py`
 - `/home`
 - Loads up `main.html`, the main page
 - `/data`
 - Sends `func.py`'s `sfiForYear(year)` to `main.html`
- templates
 - `main.html`
 - Calls `app.js` for all relevant javascript required for our animations

- Front page, holds our animations, links to the About page and other relevant pages, etc.
 - Passes country data taken from app.py to app.js
- static
 - app.js
 - Takes SFI data from main.html and uses it to do our animations
- utils
 - func.py
 - Takes data from the state_fragility.py library using state_fragility.py's get_scores() function
 - Processes the data. Specifically, creates a function called *sfiForYear(year)* that returns all country data for a given year
 - state_fragility.py
 - CORGIS Library used solely to get data from the database. No work needed.
 - state_fragility.db
 - CORGIS database that houses state fragility scores. No work needed.

Task Delegation:

Shamaul:

Front-end javascript

Gabriel:

Front-end javascript

Winston (**project manager**):

Back-end data manipulation

Lorenz:

Back-end/front-end liaison