Climate Change Visualization

Release Plan

1. **High Level Goals**
    a. Have a functioning website with multiple visualizations
    b. Main visualization is an interactive world map with many variables
    c. Multiple secondary visualizations (static or interactive)
2. **User Stories**
    a. Sprint 1 (1/24-2/2)
        i. Find global (or almost global) data resources from a reputable source (3)
            1. Electricity consumption - Eric
            2. CO2 levels - Morgan
            3. Temperature levels - Steve
            4. Rainfall levels - Dave
        ii. Learn D3, include 5 different forms of visualizations (8)
        iii. Construct a minimal website and display one visualization on it (3)
    b. Sprint 2 (2/3-2/13)
        i. Have a functioning world map (8)
            1. Interactive 3D Globe
                a. Zooming/Rotating
                b. Filters-countries, categories, graph type
            2. Individual Countries
        ii. Make useful and relevant D3 visualizations using found data (13)
            1. Dynamic and interactive
            2. Properly labelled
            3. Clarity
    c. Sprint 3 (2/14-2/24)
        i. Integrate visualizations to website (21)
            1. Heroku/Firebase
            2. Decide how to separate data
            3. Link all data/visuals to a single map
        ii. Clean up visuals (5)
            1. Years, debug
    d. Sprint 4 (2/25-3/5)
        i. Fix any bugs (8)
        ii. Expand for more data sets (13)
            1. At risk areas
            2. Projected data sets
3. **Product Backlog**
    a. Search Bar on primary world map visualization

    i. Search by country
    ii. Search by GDP
    iii. Search by CO_2 emissions
b. Other Climate Change topics
c. Inform the uninformed user
    i. General information on what we know about climate change
    ii. Show the implications of climate change