Climate Change Visualization

Release Plan 2

1. **High Level Goals**
   a. More visualizations related to text on home page
   b. Have each visualization be more intuitive and give users a sense of urgency and understanding
   c. Enhance visualizations by including difference between years (just temperature and CO_2 visualizations).
   d. Incorporate predicted future data (point of no return statistics).
   e. Incorporate search bars on maps
   f. Asynchronous updates

Sprint 1:
- Homogenize all visuals
- Re-Organize src folder
- Condense web pages
- Accumulate prediction climate data
- Change name and make logo
- Clean/debug ALL visuals → Backlog as needed

Sprint 2:
- Add writing to web pages → Learn how to place text effectively and cleanly
- Parse → Generate/debug prediction data visual
- Finish Debugging ALL visuals
- Overlay CO_2 bubbles onto the world map

Sprint 3:
- Add additional options for visuals
  - Filters/Different ways to visualize
- Integrate prediction visuals to website

Sprint 4:
- Re-write and refine website text to convey better meaning
- Final Debugging for visuals
- End of sprint 4, NO MORE VISUAL WORK

Sprint 5:
- Front end cleanup, make everything look pretty
  - Text/images/links etc

2. **User Stories**
    a. *Sprint 1 (4/8-4/18)*
        i. As a developer, I want to find a reliable source for predicted climate change data in order to inform the user about where we are headed as a society (7)
        ii. As a user, I want to see ALL countries displayed on the choropleth map
        iii. As a user, I want to be able to view predicted future data to inform me on where the state of climate change is headed (14)
    b. *Sprint 2 (4/19-4/29)*
        i. As a user, I want to be able to adjust the CO2 visualization to view the difference between years so I can better see how countries have changed their CO2 emission levels over time. (14)
        ii. As a user, I want to be able to adjust the temperature visualization to view the difference between years so I can better see how countries temperatures have changed over time. (14)
    c. *Sprint 3 (4/30-5/10)*
        i. As a user, I want more visuals on the homepage to break up the long blocks of text and enhance my understanding of climate change (21)
        ii. As a developer, we want to allow for significant filters related to the topic to allow better learning
    d. *Sprint 4 (5/11-5/21)*
        i. As a user, I want to be able to search for a specific country in the world map and obtain all relevant climate change data about that country (7).
        ii. As a user, I want to be able to search for a specific continent in the world map and obtain all relevant climate change data about that continent (7).
    e. *Sprint 5 (5/21-5/31)*
        i. As a user, I want my data to update automatically so I am always looking at the most up to date and relevant data (35)
        ii. As a developer, we want the website to be bug free and accessible on different devices

3. **Product Backlog**

Meeting Times:
    PPP meeting: Social Sciences 110 Tuesday 8am
    TA meeting: Reihaneh S2-137 Thursday 8am
    Saturday: Group Programming (Voice Call) @1-5PM
    Monday: Voice Call @ 2PM
    Meetings after PPP/TA meetings