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CSC 220
Short paragraph on the goal of your proposal (e.g. make people understand their energy consumption depending on the time of day)
Clear (bullet-pointed) description of what the broken down items of functionality are
What will the visualization show? What will the interactivity do? How does the interactivity add to an otherwise static visualization? Lay out your development plan
Which functionality will be implemented in Scrum 1, 2 and 3?

Proposal
My proposal is to create an interactive website that visualize how the global temperature change is growing over the user's lifetime. The user can enter their year of birth and the timeline will adjust accordingly from the year the user was born to the present. My other goal is to also visualize how the volume of the Arctic sea ice is reducing over these years. I want to also show the user the trend for global temperature over the future and the impacts this would have in the in the future in terms of sea level rise and flooding risk.

Necessary features
- loading feature (already provided through Resource.js)
- Background image of the earth preloaded
- Input message to enter user's birth year
- Time slider/navigator
- Two bar charts, one above x-axis line (for temperature change) and the other moving below axis line (for the shrinking ice caps)
- Allow user to hover over each bar and value would shows and bar color changes
- Selection to to show how the chart would look by certain years depending on different scenarios
- Images and text to show sea level impact

I think the time animation feature and allowing the user to see the effects of global warming over their own lifetime allows the data to become more impersonal. I also think that the features of allowing users to hover over each bar and see the values, and be able to select certain year makes it so that they can digest the data better. I also wanted to incorporate a bit of storytelling elements by showing through images and text the consequences of our future trends.

Scrum 1
Implement year navigator
Background Image
User input for year
Retrieving data within specific year
Scrum 2
Bar charts
Hovering elements and features
Selection to show how chart would look in the future

Scrum 3
Images to show sea level impact