CPSC-49200-005
Dr. Michael Lewis
April 4, 2024

Progress Document #11

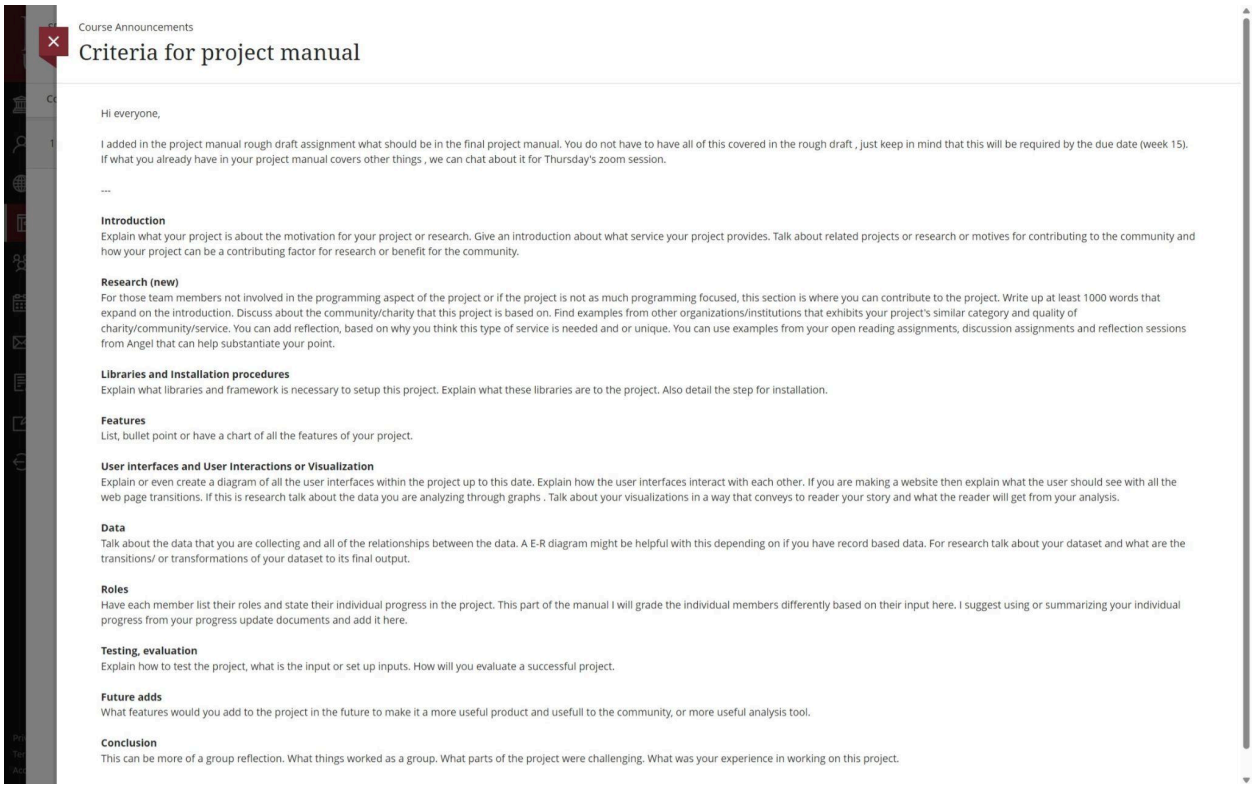
Group Work:

I did send one message earlier, but I have not received a reply from Ian. Although it is unfortunate, I think a good course of action is to be patient and understanding. Sometimes life can get hectic, so we ought to support each other. I was able to take on the presentation and project manual and website development by myself this week. And to my surprise, I think that I did pretty well and learned more.

Individual Work:

Raymond Loi:

I was able to add more information to the rough draft of the project manual. The project manual has mostly information based on the project manual described in the class syllabus. I will look to incorporate more of the blackboard criteria in a future draft.



Course Announcements

Criteria for project manual

Hi everyone,

I added in the project manual rough draft assignment what should be in the final project manual. You do not have to have all of this covered in the rough draft , just keep in mind that this will be required by the due date (week 15). If what you already have in your project manual covers other things , we can chat about it for Thursday's zoom session.

Introduction
Explain what your project is about the motivation for your project or research. Give an introduction about what service your project provides. Talk about related projects or research or motives for contributing to the community and how your project can be a contributing factor for research or benefit for the community.

Research (new)
For those team members not involved in the programming aspect of the project or if the project is not as much programming focused, this section is where you can contribute to the project. Write up at least 1000 words that expand on the introduction. Discuss about the community/charity that this project is based on. Find examples from other organizations/institutions that exhibits your project's similar category and quality of charity/community/service. You can add reflection, based on why you think this type of service is needed and or unique. You can use examples from your open reading assignments, discussion assignments and reflection sessions from Angel that can help substantiate your point.

Libraries and Installation procedures
Explain what libraries and framework is necessary to setup this project. Explain what these libraries are to the project. Also detail the step for installation.

Features
List, bullet point or have a chart of all the features of your project.

User interfaces and User Interactions or Visualization
Explain or even create a diagram of all the user interfaces within the project up to this date. Explain how the user interfaces interact with each other. If you are making a website then explain what the user should see with all the web page transitions. If this is research talk about the data you are analyzing through graphs . Talk about your visualizations in a way that conveys to reader your story and what the reader will get from your analysis.

Data
Talk about the data that you are collecting and all of the relationships between the data. A E-R diagram might be helpful with this depending on if you have record based data. For research talk about your dataset and what are the transitions/ or transformations of your dataset to its final output.

Roles
Have each member list their roles and state their individual progress in the project. This part of the manual I will grade the individual members differently based on their input here. I suggest using or summarizing your individual progress from your progress update documents and add it here.

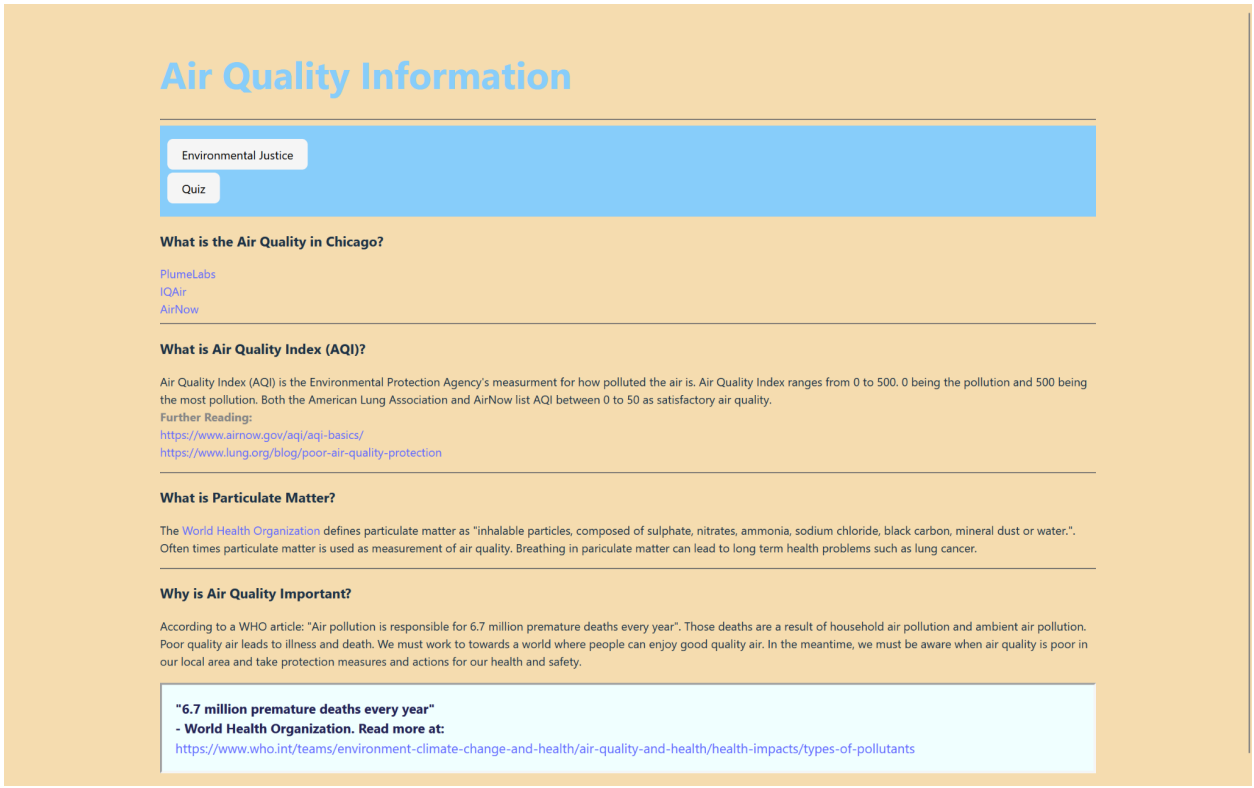
Testing, evaluation
Explain how to test the project, what is the input or set up inputs. How will you evaluate a successful project.

Future adds
What features would you add to the project in the future to make it a more useful product and usefull to the community, or more useful analysis tool.

Conclusion
This can be more of a group reflection. What things worked as a group. What parts of the project were challenging. What was your experience in working on this project.

I was able to create a Google Slides presentation and present it in class today.

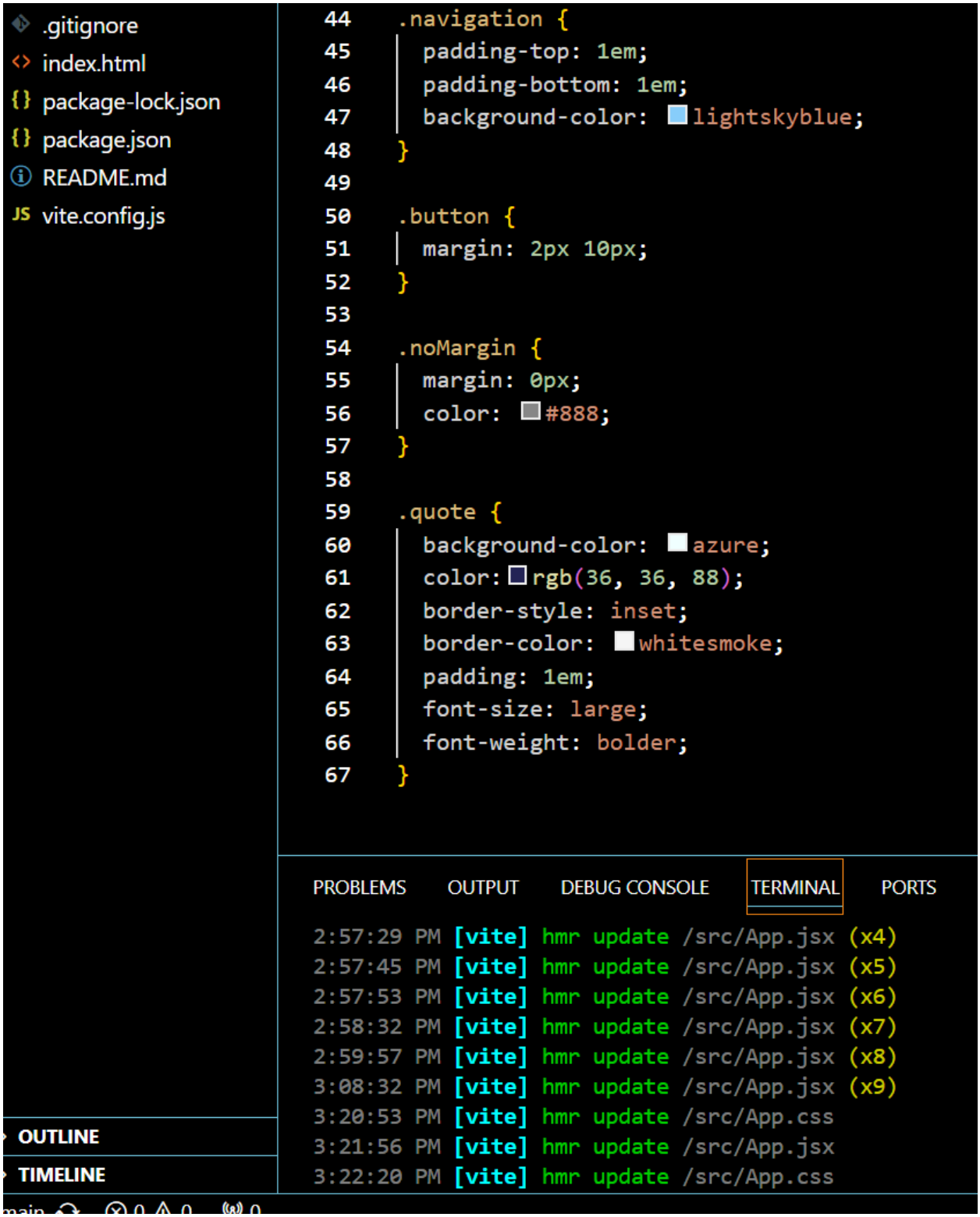
I was able to add more style to the website.



Website page. I think I greatly improved the website. Adding more color makes the website pop out more compared to just black and white.

```
50
51          <hr></hr>
52
53          <div>
54            <h3>What is Particulate Matter?</h3>
55            <p>The <a href="https://www.who.int/teams/environment-climate-change-and-health/air-quality-and-health/health-impacts/types-of-pollutants" target="_blank">World Hea
56              particulate matter as "inhalable particles, composed of sulphate, nitrates, ammonia, sodium chloride,
57              black carbon, mineral dust or water.". Often times particulate matter is used as  measurement of air quality. Breathing
58              in pariculate matter can lead to long term health problems such as lung cancer.
59            </p>
60          </div>
61
62          <hr></hr>
63          <div>
64            <h3>Why is Air Quality Important?</h3>
65            <p>
66              According to a WHO article: "Air pollution is responsible for 6.7 million premature deaths every year". Those
67              deaths are a result of household air pollution and ambient air pollution. Poor quality air leads to illness and death.
68              We must work to towards a world where people can enjoy good quality air. In the meantime, we must be aware when air
69              quality is poor in our local area and take protection measures and actions for our health and safety.
70            </p>
71          </div>
72
73          <p className='quote'>
74            "6.7 million premature deaths every year" <div>- World Health Organization. Read more
75            at: </div><a href="https://www.who.int/teams/environment-climate-change-and-health/air-quality-and-health/health-impacts/types-of-pollutants" target="_blank">
76              https://www.who.int/teams/environment-climate-change-and-health/air-quality-and-health/health-impacts/types-of-pollutants
77            </a>
78          </p>
79        </>
80      )
81    }
```

JSX file. For this file, I decided to include much of the html elements such as h3 and p in order to display information about air pollution.



CSS file. I think using inset helped make the quote stand out.

Future Tasks:

1. Create a navigation bar to replace the current buttons.
2. Create a feature for users to interact with the website.
3. Create a feature to store data in a database for the website.
   Potential solutions:
   - A contact us page with a commonly seen contact form.
   - A comment section.
   - The quiz's answers can be submitted then logged into a database.

Those 3 can be used to receive feedback from the users of the website. As well as store the website users' responses into a database.

I think that expanding upon the already existing quiz could be a good idea. Perhaps users can see the data we collected about the quiz so that they can see what other answers people have submitted. More brainstorming and testing of new additional website features seems like a good course of action.

4. Contact Ian. Send another message to him. Once contacted, discuss project plans and ideas.
5. Fill in the gaps of the project manual. Edit the project manual when new changes occur in the project.
6. Continue work and planning in general. I feel like I should be industrious and ambitious with the capstone project.
7. Upload project manual rough draft to Sharepoint. I will figure out how to gain access to my outlook Lewis University account. I can not find the outlook email account at the moment.