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Professor Joann Ordille

Database and Web Design

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Final Project Written Report

1. The URL's of your Personal and Project GitHub Pages

<https://github.com/Hpatel1224/Database-and-Web-Design-Final-Project---Heath-Patel>

2. **Limitations (if any) of your application and your strategy for remedying them. Use this section to describe known bugs in your application or ways in which your application does not fulfill the requirements. Then describe your strategy for fixing them if you had more time.**

When I began working on this project, I had many difficulties within the JavaScript portion of the project. First being connecting the list of sectors to appear on my page. The main way I fixed this issue was by reading through the code back and forth and fixing any errors. The smallest errors make the biggest difference in my case! Moreover, figuring out which colors suited best for my page was tricky. There are multiple options based on similar colors, but I was looking to keep it as different as possible to present a cleaner layout that is more visually pleasing.

3. **The challenges you faced in the project and how you surmounted them.**

To start off, one of the challenges I faced was finding the specific RGB code for all the colors. I started off with simple colors and then expanded on those. My color names might be slightly unordinary, but I was able to connect the proper color to each code through significant research. I was able to use various versions of each color and added my own insight to it as well. Moving on, another challenge I faced was implementing GitHub within this project. I had minimal experience but from experimenting with GitHub, I was able to upload my project in no time. Finally, the last challenge I faced was trying to

get the code to run properly. This was mainly because of spelling errors within my code. After running through the code multiple times and fixing the smallest errors, I was able to successfully run my code.

4. Suggested enhancements to the project and why you think they would be good to pursue.

To start off, I believe one enhancement could be to implement a time period within class to specifically run through GitHub as a whole. I felt like that was one of my biggest issues and working with the professor during class time would have been helpful. Another option is to use another form of upload that is more user friendly, especially for students who are just getting started within this specific learning sector. Moreover, another enhancement would be to make this more a collaborative project. It was fine as an individual project but if being able to at least ask questions to our groupmates would have been helpful. Mainly because attending office hours coincide with my schedule, but if I could have had some form of group collaboration for some of the issues I ran into could have been resolved faster potentially.

5. Two other series of data from the US Department of Labor Statistics that you suggest would make interesting visualizations and why. What kind of visualizations do you propose for each?

Would it be a line chart like the visualization in this project, or something else?

For my first sector, I would implement Video and Audio production since it seen to have a potential uprise within the market after Covid-19 passes. Video and Audio runs the world primarily with such a vast variety of shows and entertainment that are already coming out as production increases. Audio wise, music is always booming, and new trends tend to increase consumer usability on social medias. Seeing this statistic would be interesting on the page. In addition, I believe seeing the oil and gas market within the page would be insightful as well. The current prices are skyrocketing and with the implementation within this sector post Covid-19 will endure positive effects. Oil and gas are bound to go down in prices, hence increasing consumer travel and a strong gain within our economy. Overall, being able to see these two statistics side by side with what we already have implemented, would give us a good picture on how our country is progressing within the next few years.