

Heena Patel

Relational Databases and Web Applications

Written Report

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

GITHUB URL: <https://github.com/Heena09230/DatabaseProject>

Project VIDEO URL: <https://share.vidyard.com/watch/yzw52nQZumVXmj2MKmLoxo?>

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.

One of the bugs I had come across while working on my project was changing my code on the script.js file and saving it but not having the new save appear on the actual webpage. At first, I thought I might have had an error on my code, but after checking to make sure there were no errors, I copied the code onto a new javascript file and reran it, which allowed the code to run correctly and the webpage to appear as it should with the changes I saved.

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

One of the challenges I faced while working on the project was obtaining the color codes for the legend for the graph. We needed to have a color for 23 different economic sectors, which becomes challenging when they all need to be different enough so the person on the webpage can

tell them apart on the graph. However, after using the generic colors (red, blue, purple, etc.) I started doing different shades of color like light red, light blue, etc. eventually; I was able to have enough colors for the legend.

Another challenge I faced was uploading my project to GitHub. When working with the professor to get GitHub to work, we found many errors preventing me from uploading it to the GitHub platform. However, by asking the professor for help, I was able to get my files onto the platform.

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

I suggest one enhancement to the project could be not using GitHub to upload the project and use canvas instead. My enhancement is biased as I had many issues with GitHub, but I feel it would be easier for students to upload their files directly onto canvas and have the professor grade. Another enhancement I think would be good to pursue is making it a group project instead of having this project done individually. Working in a group would be a great idea as the project was difficult to code, and collaborating with peers could have made it easier to understand and ask questions.

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?

Two other series of data from the US Department of Labor Statistics that I would suggest would make an interesting line chart visualization are 1) Soaps, cleaning compounds, and toiletries,

because I think it would be interesting to see the impact of this industry from covid-19, I assume there would have been a significant spike, and it would make an interesting visual. The second Labor Statistic I would recommend is 2) Scientific research and development services. It would be a unique and interesting statistic to see which is different from the others we have chosen to display.

