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Relational Databases and Web Applications

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Individual Project Report

1. **The URLs for your Personal and Project GitHub Pages.**

<https://github.com/parthpatelh1/MyProject.git>

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

My project does not have any limitations as it meets all the instructions in the project description and rubric. At first, I encountered many issues but after researching online and asking questions in class, I was able to solve all my errors. In the end, I am quite pleased with my final product as my code is running flawless and the webpage is up to standard, both visually and technically.

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

Most of my problems were presented in the beginning of the project as I found it very difficult to get started on the project. With the all the requirements of the project, I was not sure how to gain a base for the code since it was intimidating. However, I was quickly able to grasp this base through the in-class help, questions asked in class and office hours, and the use of Zybooks sections. Once I got the general layout for my code it was not too difficult to go from there. The only other minor challenge I faced was finding proper colors to use throughout the page. I was quickly able to conquer this through researching different RBG combinations online.

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

An enhancement I would recommend for this project is having it more on a free basis. Since it is an individual project that’s being done at the end of the semester, I think it would be better if the students had more control over the type of webpage that they want to create so that it is more unique and personalized to them. Of course, the project can still have certain requirements of what needs to be included, however the level of completion depends on the students. In terms of this project, I recommend using this as a group project as I think collaboration with others would have helped immensely. I felt as if most students resorted to asking the professor questions, and with the collaboration option, any issues or concerns could have been addressed in group setting.

1. **Two other series of data from the US Department of Labor Statistics that you suggest would make interesting visualizations and why. What kind of visualization do you propose for each? Would it be a line chart like the visualization in this project, or something else? Check out the types of charts available from chart.js.**

Two other series of data from the US Department of Labor Statistics that I would suggest making visualizations would be unemployment and Covid-19. I suggest including unemployment because even though this is a visualization of employment, it can prove very useful to also include unemployment statistics to give individuals the option to compare. The other visualization that I would include would be the rise and fall of the coronavirus pandemic. Especially, for the years we are in now, Covid-19 makes a massive impact on unemployment, and it gives vital information for the changes of employment in many industries. Both these visualizations can be included as a line chart either within or as a separate graph as they would offer valuable insight when compared with the statistics that are already included.