

Individual Reflection

I. What you have learned about databases and related project development this semester?

I have learned a lot about manipulating data from this class. This can be particularly helpful for me when I want to transform data in Data Science projects. Complicated SQL queries can help me extract a portion of a dataset easily. If I were to do this in Python or Java, it would have ended up as complicated lines of code. Alternatively, nested SQL queries can do the trick much faster.

I did not know that we can integrate MySQL workbench with different programming languages and I find this to be really convenient. Now if I want to do a Data Science project using Python, I can easily integrate Jupyter Notebook with MySQL workbench.

I have learned the most from the final project. When I actually had to create a demo database, I understood the ER model and relational model much better. I can imagine that these models can become particularly helpful when we deal with a large volume of data. Getting hands-on experience with a database application really helped me learn more about the subject. I talk more in detail about the project in my report.

II. What you found challenging, what you enjoyed?

I really enjoy the material of this class. It is easy to follow and most importantly, it is applicable. The knowledge I learned from this class will not only benefit me in database-centric projects but also any data-related field. Professor Mohebbi did a great job of scheduling the course.

III. For the future, what topics, if any, you are interested in learning more, what projects/products you are interested in developing?

When I have free time, I want to learn more about JDBC and DBAPI so I can improve the coding portion of the project. This gives me an idea of a software that can make data transformation more user-friendly. EDA no longer has to be solely for Data Scientist and Data Analyst anymore.