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Business Intelligence and Data Analytics

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October 26, 2016

Reflection

**From a process point of view, what went well? What could you improve? Other possible reflection topics: Was your project appropriately scoped? What self-studying did you do? How will you use what you learned going forward? What do you wish you knew before you started that would have helped you succeed?**

For our team, creating the database was pretty simple since we have had quite a bit of practice with creating relational databases. We could improve on creating the database in SQL Visual Studio and inputting the data into the tables. Since this was a new concept for us, it was more difficult to manually input all the data, instead of being given a database like we normally use. Our project was appropriately scoped, however we did do internet research and access office hours in order to build out the database in SQL. Going forward, we now know how to create relational databases for companies, simplify what tables their business needs to operate, and what data they need to track. If we were to do this project again, it would have been extremely beneficial to have more classes on creating the database inside of SQL since that process took a lot of outside research in order to complete.

**Also discuss your team process in your reflection. How did you plan to divide the work (e.g. split by deliverables, always work together, etc.) and how did it actually happen? Were there any issues that arose while working together, and how did you address them? What would you do differently next time?**

Our team met at the beginning of the project to go over the process as a whole. We started by deciding which company we wanted to work with and created the database design for question one. Then, the team decided to work on pieces individually and come back together at the end to go over each question as a team. When we were working individually we communicated with one another about any changes and progress made on the project. Then we came back together the second time, there was still work to do to make sure everything was correct and finished to everyone’s standard. An issue that arose in this project is that there is no way to work on SQL programs together from multiple computers. We can share code through GitHub, but there is no way to share it real time to one another unless you meet in person. We addressed this issue by assigning different parts of the question two and three to each team member to complete and contribute. Another issue that our team had was the relational database design. Throughout the project, we made changes to the design that would change everything about the next questions. We would then have to go back and edit the SQL codes and make all of our data cohesive. Next time, if we were to do this project again, we would solidify the relational database design first before moving onto the next steps.