Database Project Reflection

***Project & Team Process***

During the completion of our project, we had notable moments in our process. What went well throughout the assignment was the creation of tables within our database. The process went smoothly and we did not encounter any difficulty. If we were unsure of certain syntax, we would do research and ensure it works properly. However, the fist issue started to arise when we tried to assign foreign keys. We first attempted to create them by manually entering in the syntax but kept receiving error messages. Because we were spending a good amount of time trying to figure out the correct way to assign the keys, we decided to take a break reconvene at another time.

This method of allowing ourselves to stop when we ended up working too long on a specific problem gave us time to do our own research and think about the problem in a different way. We overcame the obstacle of foreign keys by realizing there was a space after the column names in the syntax. Another issue we encountered was entering data into the tables we created. Our syntax would not run when we tried to enter in data and we had trouble figuring out why. However, we soon learned that it was because some of the data in the table depended on the existence of other data in another table. Because we did not create that other table, the system was confused. Going forward, we will definitely use this knowledge. Because we manually did it on our own and experienced difficulties first-hand, it will be easier to keep in mind. For example, one of our main takeaways is ensuring that data integrity is kept when creating a database.

Our team process consisted of dividing the work amongst ourselves. We multi-tasked so that we could be the most efficient. However, we both contributed to all parts of the project. For example, we both came up with the queries and syntax for creating the database. Furthermore, if either of us encountered issues, we both helped each other resolve them. If we could do something differently next time, we would immediately look towards resources available rather than trying to create everything from our own inventiveness. We ended up researching later in the process and it would have helped if this came earlier. Overall, although it was challenging, we both enjoyed working with each other and learned a lot.