Whataburger Reflection

From the very start of the project all three group members decided quickly on what company to do the database on since we all had similar interest, fast food. We all understood the importance of this project and the fast learning curve we would experience with diligent work. As a team, finding the appropriate database tables was a challenge. Actions such as finding connections, between columns and their primary/foreign key caused a lot of discussion between team members of more than 2 hours. We all decided on appropriate number of data rows for each datatable. As a team we all filled the database together. Converting the database into SQL format and creating the query to create the database required additional self studying as team members did not fully understand the exact format or functions to create database. Naeli met with Professor Li to further learn and understand the format for SQL and discuss the appropriate datatables. Naeli then explained to team members what was learned by meeting with professor so all team members would be on the same page.

The two weeks before the project was due were critical days for all team members because of other classes, midterms, and project deadlines. Members had little time where we could meet together face to face so the division of work and responsibility of doing what was assigned was very important. All team members made an effort to contribute to their own part of the deliverables. We had group chats going, where team members could comfortably ask questions, if they were having trouble with their part of the work, and be answered within 5 minutes. All team members had access to each other's work and could review it for their own benefit.

As we were inputting the data into Visual Studio, we realized that we had created too much random information and that it was going to take a long time to write out the data into each table, specially for the OrderDetails table. After inserting all the data in the tables, the team members noticed a couple of errors so they had to alter the tables a couple of times in order to add columns, delete columns, and change the datatype of some columns. When everything seemed to be working, the team members realized that in the Menu, OrderDetails, Orders table, the Price, LinePrice, and TotalAmount was formatted differently than the way the data was inputted. After searching possible reasons as to why this was happening the team members could only get LinePrice in OrderDetails to display correctly.

Furthermore, practice/experience with github and microsoft visual studio would have made the project run a bit faster. Much of the time spent while face to face was  allocated in trying to figure out the two programs (github and microsoft visual studio) and learning what to do in each to make it do what we wanted it to. All team members agree that learning the two programs was the greatest benefit from this project as we all now have sufficient experience to know how to navigate through them. The creation of queries was a reinforcement of what we had learned in class. Now, each team member feels comfortable with database creation and query creation.

Going forward, we hope to use the information we learned in our future careers. Whether it be to explain how to break down data in order to find what we are looking for or actually pull from data the answers we need to pitch an amazing project to investors. We will also be able to not only see raw data but we will also know how to interpret it and put it to work through functions.