Team 2

Ashley Bayer
arbayer@uno.edu

Bao-Tuan Le
bqle1@uno.edu

Brandon Trentadue
bmtrenta@uno.edu

Charles Kuylen
cmkuylen@uno.edu

Summary

Task1:
Revised Schema:

- We completed the 3NF revision for the revised schema, however, we were unsure of the proper way to convert the original schema into 3NF, and therefore could only attempt it to the best of our knowledge.

Functional Dependencies:

- We did not have a good grasp and understanding of how to create and determine functional dependencies. Generally we understand how to utilize the functional dependencies especially when it is already given, but when creating them on our own, we did not know enough.

Task2:
Insert statements

- When it came to the Insert Statements, there was not enough time to complete them with the time we had. We felt that it was too much work and we still did not start task 3 at that point, so we dropped it to make sure we could secure more points.
- While we have provided insert statements, most of them, like the AZ and GV insert statements are wholly unfinished or sorely lacking in data for the reasons mentioned above.
- We ended up dedicating a lot of project time creating dummy data or scraping data, but being unable to use them because the amount of insert statements and the variety of the data required to make a sensible database was simply far too much.

Task3:
We managed to complete more than a majority of the SQL queries, however, for questions 24, 25, 26, and 27, we got stuck, spending several hours between the 4. As a result, we were not able to complete these to the same degree that we did the others.

Issues Relating to Data:

- While we were able to scrape data, I do not think that it is something that is within the scope of the class. Just handling the database related work for this project is extremely significant, and if a group had to also learn how to scrape and interpret data, I'm sure that it would be difficult.
- In addition, I believe that being provided raw data that could be used would have helped immensely. There is a ton of decision fatigue or otherwise a lot of time set aside to create even fake dummy data that somewhat makes sense so that it would conform to our created statements. It would have cut our diagramming time by a significant margin as well as we had to guess or otherwise reason with what some attributes were supposed to represent.
- If we had data, we could also precisely determine what some of the attributes in the tables may have represented. attributes such as "sh_title" in the inventory relation of AZ, or "unit" in the material relation of GV are good examples (among many) of attributes that could have been clarified if data was made available.

Additional Comments:

- More complex examples done in class would have given us a better understanding of how to complete this project.
- Additional (or any) relevant, practice examples i.e. more quizzes, in class handouts for us to practice, or even weekly worksheets, would have been an immense aid in actually getting hands on experience. We did not feel as if we had enough experience in most aspects of the assignment, especially the SQL statements, to actually be competent enough to complete them correctly.

Improvements

- Please provide data. It would help immensely and would allow students to focus on the database related parts of the project.
- More **practice** (quizzes, worksheets, practice problems, etc) throughout the semester would really help students to better grasp the material.
- Spend more time discussing the project in class and helping the students understand what is expected from them.