CPSC 408
Database Management
Final Project Grading Rubric

Group:

Students:

(Your final project is worth 20% of your overall class grade)

Total points: 200

Deliverables 1 & 2 (40 points):

Presentation + Demo (60 points):

5-10 minutes per group

Make sure to introduce your project's concept and describe the application's features. Your project needs not be finished by the time you present but you must have something to demo that shows you are on track to be done. (What your app does, why someone would use it, your front end, your back end, what you have left to do)

Application (files + code) (100 points):

- Submit your data files as well as SQL files so I can replicate your database
- Submit all source code and instructions to run the project
    - Submit the instructions in a README along with all dependencies I might need to install
- Make sure that you adhere to all requirements cited in the Final Project Doc

The final project must incorporate at a **minimum** the following:

1. Print/display records from your database/tables.
2. Query for data/results with various parameters/filters
3. Create a new record
4. Delete records (soft delete function would be ideal)
5. Update records
6. Make use of transactions (commit & rollback)
7. Generate reports that can be exported (excel or csv format)
8. One query must perform an aggregation/group-by clause
9. One query must contain a subquery.
10. Two queries must involve joins across at least 3 tables
11. Enforce referential integrality (PK/FK Constraints)
12. Include Database Views, Indexes
13. Use at least 5 entities

Lastly, provide a screen capture video showcasing a final demo of your application. DO NOT FORGET to include your screen recording, if I cannot get your code to work on my machine and you do not have a recording I will be docking points

I will be grading on not only how well your application works but also if you were able to implement all required features. Make sure that your code is modular, uses object-oriented programming and follows common coding practices. Comments are not only required but also encouraged.