University of Makati

College of Computing and Information Sciences

ELEC 5 – Group Activity

Scenario: [GROUP NAME] Vince's Vinyl (A Music Record Shop)

Vince is eager to get going. Just today he had a customer come in and sell him a dozen old albums. One is quite rare and could be worth a lot of money. Vince doesn't want to lose track of it. He is ready to get organized and start entering his transactions in the database. You review your design with him and promise that you will begin building the database immediately. But, you remind him, it is important to test the database before actually starting to use it for the business.

1. Review your diagram for the database making sure that the design is complete and normalized.

2. Create the database in SQL Server

3. Create the tables in the new database, selecting appropriate data types for the columns, setting a primary key for each table, and setting allow nulls as appropriate

4. Create a database diagram and create the relationships among tables

5. Add some sample data to each table

6. **Documentation:** Make a Data Dictionary that lists each table, all the columns for that table, the data types for each column.

Rubrics

For Nos. 1, 4, & 6 (45 points)

Problem Solving	Excellent 5 pts	Good 4 pts	Average 3 pts	Fair 2 pts
Content	Excellent Appropriate content is used for each problem. Student clearly understands the mathematical concepts.	Good Appropriate content is used for each problem. Student shows some understanding of the mathematical concepts.	Average Appropriate content may be used. Student shows little understanding of the mathematical concepts.	Fair Appropriate content is not observed. Student does not demonstrate an understanding of the mathematical concepts.
Solution/Organization	Excellent The solution is written in clear and coherent way. Solution is presented in a very organized manner.	Good The solution is written in clear and coherent way.	Average The solution is not written in clear and coherent way.	Fair The solution is not written in clear and coherent way, or may not be observed.
Accuracy	Excellent Solution is very clear and accurate.	Good Solution is clear and accurate.	Average Solution is somehow clear and correct.	Fair Solution is not clear and may not be correct.

For Nos. 2, 3, & 5 (15 points)

Criteria	Mastery (2.5 points)	Meeting (1.5 points)	Does Not Meet (0.5 point)
Scientific Accuracy	Use of multiple variables that demonstrate understanding of environmental factors.	Use of some variables that demonstrate understanding of environmental factors.	Use of variables that fail to demonstrate understanding of environmental factors.
Coding Efficiency	Code is easy to follow and direct.	Code is mostly easy to follow and direct.	Code is convoluted and unnecessarily long.

https://forum.code.org/t/share-your-rubric-for-assessing-computer-models/2927/48