CSC2212 Project

Your project is to design and implement a database. It can be a real working database, or it can be a fictional scenario. The purpose is to give you the opportunity to demonstrate your knowledge of the database design and implementation process.

Your **ER Model** should have a minimum of 12 entities. (Yes, this means your ER Diagram will likely have more than 12 entities.)

Your **ER Diagram** should include all attribute names, primary and foreign keys, and data types. Connectivities, participation, and relationship strength should be clear in your diagram.

Your implementation should be a normalized database submitted as an exported .sql file. I should be able to import that file to re-create your database and populate the tables. Ensure everything is well commented.

Your exported .sql file should include views. Comments should explain the purpose of the queries in each view as they relate to the system you are creating. Your queries should demonstrate understanding of various joins, subqueries, and functions, as well as all parts of the select statement:

SELECT

FROM

WHERE

GROUP BY

HAVING

ORDER BY

LIMIT

Technical Requirements

Demonstrate your understanding of as many of the following as practical:

Include all Connectivities (1:1, 1:M, M:M)
Multiple relationships between entities
Mandatory and Optional participation
Specialization Hierarchies
Recursive relationships
Time-variant data
Weak Entities

Due dates

5 November	Business Rules/ER Model
24 November	ER Diagram
9 December	Database implementation with data and views