CSU 44D01 Project Specification

Deadline: 12 noon, 18th Nov. 2022

The CSU 44D01 project is to develop an ER Model for information to be represented for an application of your OWN choice and implement it as a MySQL database. The project submission will be a report which describes the database application, presents the ER Model of the database, indicate how this ER model is mapped to a relational schema, give the Functional Dependency Model for each of the relations in the database indicating primary & foreign keys, explain and give the SQL code needed to implement the database and shows how it would be used. The project will create the database as a MySQL database. The database must have the following features:

- A minimum of 6 relational tables
- Appropriate implicit and constraints (including primary & foreign keys)
- Explicit (semantic) constraints such as table constraint(s) and triggers (you need not implement assertions)
- At least one view should also be defined within the database
- A minimum of 5 tuples per table
- Your Project report must have a listing of the SQL commands which create the tables, populate these tables,
- **Additional marks** will be awarded for innovation and degree of difficulty (in use of SQL) and the use of advanced features of SQL/PL e.g. use of variables in SQL/PL, embedded programmes etc.
- You are required to implement the database using MySQL, which is available on college lab computers or downloadable on your own machines.

Project will be submitted as a report (see example table of contents below) as a PDF file. Submission will be via a Project Submission link which will be made available via the Blackboard Course site at least two weeks before the project deadline.

Deadline for submission of Project is: 12 noon on Nov 18th 2022

Examples Table of Contents for the Project Report

Contents of Project Report