Database Design and Development
Database Project
Due Date 16th May 2024 FINAL HARD DEADLINE

The aim of the project is to assess the student's ability to design and develop a database that can be deployed in a commercial database management system. The business rules of the scenario must be developed and implemented via the database schema and queries as follows:

1. Relational Schema
   a. Tables
   b. Attributes
   c. Primary Keys
   d. Foreign Keys
2. Test Data
   a. 2 rows for each table.
3. Queries
   a. Select
   b. Insert
   c. Update
   d. Delete
4. Use the database created to demonstrate Codds rules with respect to your individual database. Pick 3 rules and write SQL statements to demonstrate the appropriate rule.

The above are to be submitted to Moodle in ONE document (open for submissions from 11 April when scenarios go live) as follows:

1. ERD of the database i.e. tables and relationships
2. SQL commands to create the database
3. Queries to demonstrate CRUD statements
   a. SELECT
   b. INSERT
   c. UPDATE
   d. DELETE
4. Queries to demonstrate 3 of Codds Rules

The marks for the database subject will be allocated as follows:

Entity Relationship Diagram (ERD)	35%
Relational Database Solution and Queries	50%
Codds' Rules	15%

The project elements of the course will be assigned marks under the following headings:

1. Functionality
2. Architecture (Data Model)
3. Complexity
4. Originality / Innovation
5. Completeness

The live narrative which will be available from 11 Apr should only be attempted after practicing with the sample narrative.