

CS631-Term Project

In this term project, design a small database system, create and fill in this database and write a number of application programs to access the database. You will analyze, design, and implement a DBMS for your selected context. There are three phases in the concept of project specification.

Write your section number, group number, and group members

CS631-007 GroupXX;
John Smith,
Ann Brown

Phase I - Draw an (E)ER accurately to represent set of business rules of requirements.

Phase II - Database Design

Due Date: See course Canvas assignment page

- Write SQL statements to create database and tables using the conceptual design from Phase I. Use appropriate naming conventions for all of your tables, attributes, primary keys, and foreign keys. You may copy and paste SQL statements from your own DBMS to the file you'll upload.
- **Insert** at least 5 rows of data in each table. Write `SELECT *` *for each table* and do a SNIP or screen dump that shows your tables.
- Write SQL statements to **update** 1 column and **delete** 1 row *for each table*. You may copy and paste SQL statements from your own DBMS to the file you'll upload.
- **Write four queries in English & SQL**
 - 1 contains GROUP BY
 - 1 contains GROUP BY and HAVING
 - 1 contains nested query with ALL
 - 1 contains nested query with INshow a screen dump or SNIP that shows the SQL code and the result.

Phase III – Normalization, Testing, Submission & Presentation