

Final Project: Create Your Own Database

Step 1: Send me your database subject for approval. Each person should have a unique subject, so it's first come, first serve. Due by the first week after the first exam. Please keep the following requirements in mind.

- All data should be first normal form.
- Minimum of 5 tables with 10-20 rows per table.
- All tables should have a primary key.
- Majority of tables should have a foreign key reference.
- At least one check constraint.
- At least one table should have DATETIME information.

Step 2: Create and submit an Entity Relationship Diagram (ERD). Microsoft Visio and other software can be used. The diagram should show each table, the column names, data types, and nullability requirements for each table, all relationships, foreign keys, primary keys. ERDs will be due by the second exam.

Step 3: Create a presentation showing the structure of your database via an ERD diagram. Each table should have at least one slide explaining what is in the table and how it is used. Any relationships to other tables should also be described. Presentation slides and SQL code will be due the day before the presentation.

Step 4: I will ask one question that will require a query of the data to answer. The presenter must be able to write the query and answer the question.