CS 4700/6700 DB Design Project

The DB design and implementation project can be performed by the following steps:

1. pickup an application problem of your own.
2. Entity-Relationship model design.
3. Convert the ER design to an equivalent Relational DB schema.
4. create the relations using MS Access, Oracle, or some other DBMS.
5. Insert sample tuples into the relations.
6. Write some meaningful SQL queries and run against the sample relations.
7. Print out the results.
8. Add discussion.

- Your ER design should include some relationships, so that some of your SQL queries can involve more than one relations. In general, a relational DB design including more than 4 relations is okay.

- Try most of the typical SQL commands to see how they work.

- Your final report should include the description of the problem, data requirements, ER design, relation schemas and instances, query descriptions and SQL queries, query outputs, and discussion.

- The discussion section can include anything that you want to share with other students in our class, such as your comments on the logical DB design, implementation, DBMS functionality and performance, trial and error, future work, etc.

- A guideline for using MS Access is given at http://web1.cs.wright.edu/~schung/cs6700.htm