CSCE 520 – Spring 2008
Final Project

Select an appropriate database application for your project. In general, such projects should have at least some potential for actual use.

Graduate students should work on an actual database application, either the teacher database or the SCAN database. Undergraduates may select any database application and do not need to coordinate with actual users. Reference and credit should be given for any use of real or example databases.

Part 1: **Friday, April 4**

Determine project and project scope.

1. A description (about one paragraph) of the application.
2. A list of anticipated forms and reports.
3. A list of anticipated (and possibly hypothetical) users and access needs.

Part 2: Tuesday, April 15

Initial implementation.

1. Develop an ER diagram.
2. Develop a set of normalized tables for the application.
3. Implement the database, including appropriate relationships and integrity constraints.
4. Populate the database with sample data.
5. Define and run at least five example SQL queries.

Undergraduates should use Oracle for their applications. Graduate students should choose an appropriate DBMS.

Part 3: Thursday, April 24

Final implementation.

1. Write a short report describing your database application, including problems encountered and potential future work.
2. Create appropriate forms and reports.
3. Use at least one programming interface to create two additional queries.