# CS 701 Programming Project

1.  Design and implement a database (with at least 3 tables) for an application of your choice.

2.  Design a set of transactions which are meaningful for your database and application. The minimum number of transactions is 3. Each transaction can be implemented in C, C++, Visual Basic, Java, or any other high-level language that can embed SQL statements.

3.  Chapter 13 describes how to embed SQL statements in programs. An example of embedding SQL queries in Java program for an MS Access DB is available at http://www.cs.wright.edu/~schung/cs701.htm

4.  Run the transactions and print the results.

5.  Your final report should include the followings:

    • ER diagram and Relational schema of your database.
    • Printout of the content of data tables
    • Description of your transactions, including the input data, output
       data, functionality, etc.
    • Printout of the transaction programs.
    • Printout of the transaction results.
    • Discussion. Discussion can include your comments on the design and
       implementation, performance and functionality of the DBMS, future topics, etc.