

CS 701 Programming Project

1. Design and implement a database (with more than 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. An example of embedding SQL queries in MS Access Basic 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.