

Course 1-02-322: Database Systems  
Semester Project  
Relations

Michael J. May

**Due December 7, 2009**

Having now designed the conceptual model for the database project, your job is now to translate the ERD models into relations and views. We have discussed in class the different heuristics that you can use to adapt from ERD diagrams. Your goal now is to adapt the conceptual design that you have written to SQL.

## 1 Keys

We have discussed in class the importance of preserving key and integrity constraints using primary key, foreign keys, and UNIQUE. Keep in mind the keys that you identified in the ERD when designing the relations that you will be using.

## 2 What you must turn in by December 7

As mentioned above, you must turn in the following:

1. The tables which you will be implementing and the SQL code to implement them. For each table, include the following information:
  - Table name
  - Purpose of the table
  - Explain (in natural language) any connections the table has to other tables
  - SQL for the table