Assigned: 2/2/07

CS 329e Due: 9/22/08 at the beginning of class, late to class, homework is late.
CS 395T: Due: 9/22/08, 3:00PM by email to the TA, put precisely, “CS395T HW2” in the subject line.

Reading: Text to and including section titled Multivalued Attributes

Goal of this homework: To become familiar with the Rational Rose tool and its ability to create SQL database schema. In addition, to understand the translation of model structures into supporting tables and key definitions.

Part A)

Problem 1 and 2. For the two problems from homework 1,
- Draw the data model into Rational Rose,
  - you may use your homework solution, or the posted solution
- Have the tool generate the SQL representation of the data model
  - this will require you to guide the Rose software through the two steps
    - “create a data model”
    - “forward engineer”
  - In class we discussed SQL queries as Select/From/Where statements. The code the Rose will generate comprising create table and related statements is often referred to as SQL data description language or DDL.
- Turn in,
  - A screen shot of your model.
  - The SQL DDL Rose generated from your model.

Per the goal of the homework. Examine the physical model and the DDL for the key structures that encode associations.

Part B)

For these problems, use the textbooks definition of the data problem. You may do as an exercise (not to hand in) the problem as detailed in the text. To hand in for grading, follow the directions for Part A.