

DATABASE SYSTEMS

CS6360.501 – SPRING 2007

ASSIGNMENT I (Individual)

Announced: 02/08/2007

Due: 02/22/2007

Q1. (10/50) Draw an ER diagram for the database described in Exercise 2.6 from the textbook, on Page 53.

Q2. (10/50) Convert your answer to the previous question (the ER diagram) to relational model. Build “CREATE TABLE” queries and specify referential integrity constraints.

Q3. (15/50) In Exercise 5.2 on page 175, write the following queries in SQL: 2, 5, 9, 10, and 11. (3 points each)

Q4. (15/50) In Exercise 5.2 on page 175, write the following queries in Relational Algebra: 1, 3, 4, 7 and 8. (3 points each)

SUBMISSION GUIDELINES

Please read the information below carefully. Compliance with these guidelines is a vital part of the grading process.

- Submit your work through WebCT. Late submissions will be penalized by 10% per day to a maximum of 3 days.
- Only PDF, DOC, JPEG, BMP file formats are allowed.
- WebCT is punctual with cut-off dates. Do not submit at the last minute. Multiple submissions are allowed so that you can submit any partial work, retrieve your files and re-submit until the due date.
- Uploading your files to the system is not sufficient. Make sure that you submit everything.
- Note that this assignment is individual. Plagiarized work is very easy to detect, and all necessary measures will be taken to identify and penalize such behavior.

GOOD LUCK!