

# CMSI 486

## INTRODUCTION TO DATABASE SYSTEMS Fall 2005

### ***Assignment 0920***

The goal of this assignment is to start exercising those modeling muscles. Use case and data modeling muscles, that is.

### **Not for Submission**

Read Chapter 6 in SKS.

1. Scan through the exercises at the end of the chapter; try to answer them in your head.
2. Selected exercise for submission below.

### **For Submission**

Please submit the following on hardcopy; this is what I will count as proof-of-assignment. There is no requirement on what software you use or even if you do these by hand. What's important is that I can read and understand what you submit.

1. Do SKS Exercise 6.21a.
2. Draw a possible UML use case model for the database described in SKS Exercise 6.21. Use your imagination ☺
3. Redo the E-R diagram in SKS Exercise 6.21 (Figure 6.31) in UML.
4. Do SKS Exercise 6.21b in E-R.
5. Do SKS Exercise 6.21c in UML.

If you need more information on UML than has been provided in the text and the handouts, the Web has lots. I suggest starting with the Wikipedia entry for UML — “unified modeling language.”