Assignment #4
PHP/MySQL Project & Relational Algebra
Due: Tuesday, 11/01/11, 11:59pm

1. (60 pts)
   (30pts) Write the SQL scripts to create and populate corresponding entities and relations to the ER diagram you have created for you real-world application from Assignment #3. Make sure you include the primary and foreign keys, as well as what to do on updates and deletions. If your translation cannot capture some constraints in the ER diagram, explain why.

   (30pts) Begin designing the interface for your website that is going to interact with your MySQL database. You can either begin writing your HTML code for this with the appropriate pages, forms, etc. OR if you do not know HTML at this point, you can draw sketches of the interface by hand (and scan in) or use a program, such as Word, PowerPoint, Dreamweaver, etc. to draw these pages.

2. (40 pts) Answer the following questions from your Database Management Systems book:
   (10 pts) Exercise 4.2 on Page 127 in Ramakrishnan and Gehrke.
   (15 pts) Exercise 4.3 on Page 127-128 in Ramakrishnan and Gehrke.
   (15 pts) Exercise 4.4 on Page 128 in Ramakrishnan and Gehrke.