Assignment #5 – PHP/MySQL Project
Due: Tuesday, 11/15/11, 11:59pm

1. (60 pts) Review the list of requirements for the operation/functionality of your database that you wrote in Assignment #2. This list will influence the user-driven questions/queries for your database. Develop this list of questions/queries in English, and then use relational algebra and MySQL statements to answer the questions that you have pointed out as important questions for your real-world application.

These questions are user-driven rather than system-driven. For example, a system-driven question can be "select all the rows from the employees table". In contrast, a user-driven question can be "identify all the transactions committed yesterday with an amount bigger than $100". Write a list of user-driven questions for your application, along with the relational algebra and SQL statements that implement these user-driven questions.

Now, you should have a list of requirements, an ER diagram, the relation schema, the MySQL statements for creating tables, user interface, user-driven questions, relational algebra, and MySQL query statements. Use this [template](#) as a guide, and construct one cohesive document with the information you from previous assignments, as well as the questions, relational algebra, and MySQL statements in this current assignment.

2. (40 pts) Answer the following questions from your *Database Management Systems* book:
   (20 pts) Exercise 5.1 on Page 174-175 in Ramakrishnan and Gehrke.
   (20 pts) Exercise 5.4 on Page 176-177 in Ramakrishnan and Gehrke.