Assignment #3 – PHP/MySQL Project Proposal
Due: Tuesday, 10/18/11, 11:59pm

1. (60 pts) Propose a real-world database application for your term project, which involves at least 3-4 different relation schema/table with each table having at least four properties. You may work in teams of two or individually. Please specify which of these options you are choosing in your proposal, and if you choose to work as a team, then please submit your both team member’s name.

Please provide a list of requirements for the operation/functionality of the database, as well as the schemas. In addition, provide an accompanying ER diagram modeling your proposed database project.

For instance, if your application is to keep track of the classes that you have taken, you could use the following schemas/tables: classes, instructors, departments, and buildings. A class table can have the course number, instructor’s name, location, and your grade from the class. You also need to describe basic functionalities in the application such as adding or removing a class, changing the location of a building, or selecting all the courses that you have taken since Fall 2010.

Your score for this problem will be based on the requirements specifications, relation schemas, and ER diagram, as well as the validity and potential uses of the application. If the scope of the application is determined to be rather narrow, then you will be asked to broaden the scope, and if the scope is too broad, then you might be asked to narrow the scope :) 

2. (40 pts) Answer the following questions from your Database Management Systems book:
   ( 5 pts) Exercise 3.2 on Page 95 in Ramakrishnan and Gehrke.
   ( 5 pts) Exercise 3.4 on Page 95 in Ramakrishnan and Gehrke.
   (10 pts) Exercise 3.5 on Page 52 in Ramakrishnan and Gehrke.
   (20 pts) Exercise 3.8 on Page 52 in Ramakrishnan and Gehrke.