PROJECT PROPOSAL FOR CS3200

Students are expected to define a project which satisfies all of the following criteria.

- The project must be able to create, read, update and delete data from the chosen database. The executed operations should be driven from user input.
- The user interface for the project may be a simple command line argument project, a web page or a GUI based project. The user interface provides the access to the database and determines the operations that are executed on the data.
- The basic assumption is that your project will use MY SQL as your DBMS. If you plan to use a NO SQL database you must specify which database you are using in this proposal. We will work with you to define a corresponding grading rubric for your project. The teaching team will need to approve your NO SQL database choice.
- The project must demonstrate your mastery of the chosen database model (relational, document, key value, columnar etc.)
- The final result is an application that demonstrates your ability to code a system using a database as its storage mechanism.

The project will consist of the following tasks:

1. A project proposal (10 points)
2. A progress report (5 points)
3. A presentation completed in the last two weeks of class (10 points)
4. ERD and data schema (25 points)
5. Database operational functionality (30 points)
6. Front end (20 points)

 Each task listed above must be completed for the project to be accepted and granted a grade. For the proposal, only one member of the team needs to submit the proposal to blackboard. Once the groups are defined, we will create blackboard groups for easier submission of the other parts of the project.

The project accounts for 100 points and is 25% of your final grade. A total of 10 bonus points can be accrued during the completion of the project. For most students, the project is an opportunity to build a database system for a data domain they are interested in.

Task 1: Design a Project and a Team (10 Points)

The goal of the project is to allow you to get hands-on experience with a database that is of interest to you. This is the part of the class that you design. The project proposal should contain:

- The names of the group members

- Description of the project – make sure you describe the data domain
- SQL vs. NO SQL
- Software, Apps, Libraries and hardware that will be used to develop the project. Are there any machine restrictions for the project?
- Why does this project or this data interest you?

We believe groups should contain 2 - 3 people. If you would like to work in a different sized group please state the reason for the different size in this proposal. We will make every effort to accommodate you.

Project proposal due: 10/15/2015.