

CS3431: Project Description
B-term, 2011
Building a Database Application
Phase 0: Form Teams/ Select Domain

Due Date: Oct. 28, 2011 (8:00 AM).

Description:

The ultimate goal of the project is to design and implement a database application. The tasks in this phase are two fold:

- 1) You will need to form the team you will be working with throughout the project. Each team consists of three members. You can use the discussion board on blackboard.wpi.edu to find students interested in the same application as you.
 - a. Under 'blackboard.wpi.edu' there is a "**Project Discussion**" forum under "**Discussions**". You can use it to search for partners.
- 2) Select the database application you would like to target, e.g., database for a banking system, hospital, library, pharmacy, bookstore, supermarket, travel agency, etc. You should be able to write one or two paragraphs describing this application. In the description, you should identify what your application is about? For example, the key entities in your application, the relationships between these entities, and the common operations to be performed in such application. Here is an example describing a database for a banking system:

"In a banking system, there are customers, each customer has some properties such as name, address, age, etc. Each customer may have one or more bank account. Each bank account has some properties, e.g., account type, open date, the amount of money in this account, etc. The bank has employees; each employee has some properties such as the position title, salary, hire date, name, age, etc. In the banking system, there are common operations such as a customer depositing money in an account, a customer withdraw money from his/her account, a customer inquiring about the amount of money in a certain account."

Grading:

This phase has no grade associated with it.

Deliverables:

Each team should deliver a report that contains:

- (1) The team members (names, and WPI usernames). Three members each team.
- (2) The database application (domain) they plan to target. You should provide the following:
 - a. The domain name
 - b. One or two paragraphs describing this domain/application.

Submission:

Submit a hardcopy in the beginning of the class (8:00AM), or submit electronically via blackboard.wpi.edu website.

Note:

For students who fail to form teams and/or select an application, the instructor will randomly divide them into teams and assign a database application to them by **Oct. 29, 2011**. It is advised that you form the team you will be comfortable with and pick an application of your interest by the due date.