

CS3431: Project Description

C-term, 2015

Project: Building a Database Application

Team size: The project is done in teams of two.

General Instructions:

- One project during the term.
- The project is done in teams of two.
- The project is divided into phases over the term. Each phase has its own instructions and deliverables.
- Each student should have an Oracle account to build and run the final database project.

Project Description:

The project requires you to design, implement, and build a database application such as a hospital, banking, or a library system. The project involves collecting the application requirements, designing the database, specifying which operations will be supported on the data, and building the database along with an interface to perform the operations in Oracle DB.

The project will be evaluated based on: (1) creativity of envisioning the database application and its requirements, (2) your mastery of the course material and how to apply it to the project at hand, (3) the variety of requirements that you will collect about the project either design requirements, e.g., relationships and constraints among objects, or operational requirements, e.g., queries over the data, and (4) your comprehensive testing of your system.

Submissions:

Project submissions are done electronically on <https://blackboard.wpi.edu/>

Oracle Access

The database will be built using Oracle database system. Each student should have an Oracle account. Please follow the instructions ([Here](#)) to check your account is working.