

Overview

Sunday, October 18, 2015 12:51 PM

Group Project

Points: 100 possible points

Proposal due: Check Canvas

Project due: Check Canvas

In-class presentation: Check Canvas

Groups

This assignment is to be done in groups of 3-4 students. You may choose your own groups*, but I can help form groups for people that require help and/or are not present.

The group project format is important since teamwork is important in real-world projects. For this project, students must work as part of a team. Everyone must contribute to their team's success and no one should try to take-on too much of the work himself or herself. In the event that problem arises, you should let me know as soon as possible. We will work together to try to solve such problems. In very extreme cases, it is possible for a group to dissociate a team member. This will be determined based on the rules of your team's contract, and only when the problem is brought to the professor's attention early and that real efforts have been made to solve the problem. While this is unusual, I may give team members different scores if the level of activity on the project is highly uneven.

*If you have prior experience using/designing databases, please try to pair with people that are roughly at your same level. Let me know if you need help with this.

Description

The project requires you to deliver a completed project that uses important concepts covered in class.

You will have a lot of latitude on the choice of project type and topic, however, you should propose a large enough project that requires significant effort from all group members. For instance, an application that can be completed with less than five tables will not receive a passing score.

The documentation should be at the quality level that it can be presented in a professional environment.

Database ideas

You are free to come up with a database application of your own. If you can't think of anything Here are some simple ideas that you could use for your project. Using one of these does not exclude you from doing fact-finding.

- Bookstore – could include information about: books, topics, authors, publishers, prices, quantity in stock, customers, staff, reviews, reviewers, etc. *(Option from former version of this course).*
- Playhouse – could include information about: plays, genres, authors, directors, actors, patrons, staff, theater schedule, costs, etc. *(Option from former version of this course).*
- Television listings – could include information about: shows, episodes, categories, channels, actors, ratings, show times, repeats, movie information, etc. *(Option from former version of this course).*
- Sports team – could include information about: players, teams, statistics, managers, games, rankings, dues (i.e. club teams), schedule, stadiums, owners, etc. *(Option from former version of this course).*
- Course Information Forms -- This was briefly discussed on the first day of class, please let me know if you'd like to work on this
- Animal shelter -- information regarding the animals, number of adoptions, health status, food intake, types, ages, finances (very useful application that could help non-profits, let me know if you're interested in this)

- Sneaker collection -- consider brands, colors, categories, prices, vendors, customers (you'll have to be very creative if you want to take on this one and make it challenging :-))

Note: if you opt for one of the options tagged as "*Option from former version of this course*", you are expected to provide original and creative work. Your project should not be based on some former students' work.

Evaluation Criteria (100 points)

Evaluation of the project will be based on a number of factors:

- How well the database is designed and implemented (25 pts)
- How well your ER, relational data model, and the populated database correspond to each other (25 pts)
- How well your database serves the application area and reflects the information in your proposal and report (25 pts)
- Quality of your report and presentation (25 pts)