

Iteration1

Tuesday, September 29, 2015 10:48 AM

Project Proposal and Team Setup

Team Setup and Logistics

1. Choose a team name: please make this short, one or two words at most.
2. Determine if your team can meet outside the classroom for at least 2 hours each week. Please inform your instructor if you cannot find any times that work.
 - a. Determine your team-working schedule and include it in the team contract
3. Complete and sign the Team Contract:
 - a. You can find the contract template in Canvas under Files
 - b. The purpose of this contract is to provide a set of rules to govern and facilitate team work, e.g., you will decide how to deal with potential team-related issues (lack or excess of contribution, etc.)
 - c. This is a template: feel free to make suitable modifications to **set expectations** based on your team's organization

Project Proposal

The project proposal should be turned in as a single document (MSWord or pdf) that describes what you plan to accomplish.

The proposal should address the following questions:

- What is the application area of the database?
- What kind of data will the database hold? (in general, don't need to list every attribute yet)
- What kinds of queries will you be able to answer?
 - Don't need to write SQL statements at this point but to give descriptions in English about sample queries in the database, including interesting queries involving multiple tables, aggregation, and/or grouping, and describe how they support the application area that you choose.
- What is your schedule for completing the deliverables listed in the "Specific deliverables" Section?
- Who will work on each part of the project? Can be "all."

Specific Deliverables (for future iterations)

This section is provided here only to serve as guidance for answering questions above. More detailed requirement descriptions will be provided in each specific Iteration section.

1. Design documentation (this will be a section of your report)
 - a. Entity-Relationship Diagram: Use standard ER notations as discussed in class
 - b. Relational data model: Include all relations, attributes, primary key, foreign key & any other constraints (if applicable)
2. Populated database (either MySQL, SQLite, or Access database)
 - a. Include in your report SQL statements used to create all database entities. Should use a standardized naming convention
 - b. Populate your database with sample data. Don't spend an inordinate amount of time populating the database. This is important for the sample queries, but will not be a major part of the grade.
 - c. Upload your database file and list in the report the name of the tables used by your project.

3. SQL query statements: In your report, also list SQL statements needed to support functions of your project. Should be presented in the following table format:

SQL statement	Purpose

In the Purpose column, provide the description in English describing what the SQL statement does and what project function it supports

4. PowerPoint slides for presentation: Describe the database design and results; discuss which NF each of your relations is in; and do an evaluation of your project (e.g., How much effort was spent overall? What went right? What went wrong? How would you do it differently if you have to do again? Etc.)

For the final submission submit a zip file containing all the required deliverables:

- Documentation (report)
- Database: the .db or .accdb file
- Presentation: MS PowerPoint file