Iteration2

Tuesday, September 29, 2015 10:48 AM

At the end of this iteration you must submit work for items 1-4 below. All documentation and queries must be in a single document. In addition, queries should be submitted in a separate sql file.

1. ## Submit an updated version of your proposal, incorporating feedback

   Submit through canvas, in MSWord or PDF. Queries should also be submitted as a sql file in canvas (similar to HW3).

   Even though 2 and 3 below are due during the "project week", the whole Iteration 2 will be due on 11/23.

   Please work 2, 3, 4 over the next week, don't leave 4 until the last minute. Take advantage of the fact that we won't have lecture (I'll be updating the Schedule to move the "project work" to the week of 11/16 and pushing down lecture topics.)

2. ## Design documentation (this will be a section of your report) Have this completed by Monday 11/16

   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)

3. ## Create database (either MySQL, SQLite, MS SQL Server or Access database) Have this completed by Wednesday 11/18

   a. Decide what package you are going to use and generate your database

   b. Include in your report SQL statements used to create all database entities. Should use a standardized naming convention

4. ## Populate your database with sample data.

   a. 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.

   b. "Upload" your database file and list in the report the name of the tables used by your project.

   c. You are encouraged to use a cloud server (or similar) to host your database, and give the professor and the grader access to your database

   d. If you are not hosting the database on a server and you are using MySQL or SQLite, you need to submit all the SQL queries to recreate and populate your database.

   e. Explain in detail your methodology to create test data

NOTE: You are not expected to completely populate the database for this iteration, however, you should have essential data for testing, and/or you should device a strategy for generating data automatically for testing purposes.