Project Step 2 Draft Version: ERD & Schema (Group / On Piazza)

Due Wednesday by 2:59am   **Points** 2

Available Jan 10 at 2:59am - Jan 28 at 2:59am 18 days

Aim

This is the design for your database using the design tools and strategies you learned so far.

Details

A .**PDF** file as described below should be posted to the Piazza (please follow the instructions under "How do I turn in this assignment" below)

Both members' names should be included in the files as well as a comment on the post.

It's expected that you apply all the concepts you have learned until now, when working on this Step.

PDF File should contain

a) Fixes based on Feedback from Step 1:

This section in your PDF should detail what all things you were told to fix in any feedback by the grader on Step 1 and how you fixed them. If you chose not to fix things based on the feedback, this would contain why you think the design should stay the same. Apart from this if you are making any changes based on your changed design decisions, they should also be listed here.

If you haven't received any feedback or grades yet, you can exclude this section in the Draft but would include it in the Final version.

b) Project Outline and Database Outline - Updated Version:

This section should contain the updated version of your submission for Project Step 1 based on the feedback by the grader as well as any design decisions that you decided to make on your own.

Identify entities and M:M relationship to implement and assign to team members. In Project step 1 you were required to identify <u>two</u> many-to-many relationships. Check the **course project guide**, for requirements, but <u>one</u> M:M relationship is required to be implemented. Clearly indicate which entities

(tables) you plan to implement on your project, and indicate which team member in your group will be primarily responsible for writing the code for the associated web page(s).

If you haven't received any feedback or grades yet, you can exclude this section in the Draft but would include it in the Final version.

c) Entity-Relationship Diagram:

This should be an ER diagram that matches your database outline. Anything that does not match the Database outline or uses incorrect notation will cause a reduction in your points in the Final Version of this assignment.

You may use the tools listed on **Tools for this course**, or draw by hand and upload a scanned legible copy. Please stick to the notation from Week 2.

Note that you don't need to include all attributes in the ERD--just the primary key is good enough. But you need to include them all in the schema.

d) Schema:

This schema should follow the database outline and the ER diagram exactly. It will be graded in the Final Version for this Step on the extent with which it matches the database outline, with an emphasis on whether the relationships, tables, and keys are set up correctly. You may use the tools listed on **Tools for this course**, or draw by hand and upload a scanned legible copy. Please stick to the notation from Week 3.

How do I work on this assignment?

You create the PDF file containing the 4 files as described above. Either team member can post it when the team is ready. (Each project group should only have one draft post.)

How do I turn in this assignment?

To turn in your Project Step Draft and review others' work, follow the steps below:

1. Go to Piazza and look for the post called "Project Step 2 Drafts". Post your draft as a follow-up discussion (NOT as a student answer). Communicate with your team so that you know who is posting the draft.
2. Each team member should then review two other drafts -reviews are an important part of the process you are helping others while you are also learning. Strive to make thoughtful and substantial suggestions.

You don't need to turn in anything on Canvas. Your grades will appear under the right Project Step Draft assignment.

Frequently Asked Questions

Q. *What if I decided to switch Project Groups?*

A. No two submitted projects should be the same. They need to have some major difference in at least one entity and at least one relationship. I leave the logistics and repercussions of leaving/joining/forming a group to you but you would contact a TA or the Instructor to make the change effective on Canvas.

Q. *What if I have changed my Project idea entirely?*

A. If you have changed your project idea entirely from, say, a project on *Battle Star Galactica* to *Pokemon*, you need to provide your new Project Outline Database Outline. In the second section listing Fixes, provide the reason why you chose this idea over the old one.

Points

This is worth 2 points of your Project grade. You get points for simply turning in the work.