

INST 327 – Database Design and Modeling

Assignment 4 - See Canvas for the deadline

Instructions

Read the full set of instructions and make sure that you understand them all before starting working on the assignment. You may lose points if you do not follow all of these instructions.

- Submit your assignment as a whole by the deadline stated on Canvas. Do not make partial submissions, (i.e., a subset of the answers). You may lose points for making partial submissions, even if your answers are correct. If you miss the deadline without a university-sanctioned and documented excuse, you will lose points. The following scheme applies to late submissions:

- After the deadline, but within 3 hours of it	10% reduction of base grade; (max grade possible is 90 of 100.)
- More than 3 hrs after the deadline, but within 24 hours of it	20% reduction of base grade; (max grade possible is 80 of 100.)
- More than 24 hrs after the deadline, but within 48 hrs of it	40% reduction of base grade; (max grade possible is 60 of 100.)
- More than 48 hours after the deadline	100% reduction of base grade; (i.e., graded as 0.)

- If the deadline is at 11:59PM, a submission on 12:00AM is subject to 10% reduction; a submission on 3:00AM is subject to 20%, etc. The Canvas timestamp is the time at which the submission is made. Late submissions due to technical issues with Canvas, computer crashes, power outages, etc. are still considered late submissions. To avoid such problems, submit your work well in advance of the deadline.
- The assignment will remain open for late submissions for 48 hours after the deadline.
- You will use the *ischool* database to answer the questions in this assignment. Please download the script file following the link on the assignment page on Canvas and (re)build the database on your server before starting your work on the questions. You should drop the existing *ischool* database from your server and rerun the script to ensure that the INSERT/UPDATE/DELETE actions from the previous assignment do not affect your work on this assignment. Please contact the instructors if you encounter problems downloading or running the database script.

- Submit your answers via Canvas (ELMS) using the link on the assignment page by the deadline. Save all queries in a .sql file named *yourlastname_a4_queries.sql*
- State in your text file what query is the answer to what question by numbering them within comment delimiters. For example:

```

/*Answer 1*/
SELECT * FROM ex.projects;

```
- Make sure that your queries replicate the sample result sets in the figures exactly, matching all data and format aspects; otherwise you will lose points.
- For this assignment, you are not allowed to use the following structures:
 - `category_id = x`, where `x` is a PK value from the category table.
 - Hard coding calculated values such as sums and averages. Instead use appropriate functions and a “dynamic calculation” approach to calculate these values.
- Contact the instructors immediately if you think there is an error in any of the questions, or if you feel more clarification is needed.
- This and all remaining assignments in this course are individual-work. Please work on your answers and scripts individually without help from other students in the course and other individuals. As required by University of Maryland regulations, all cases of misconduct are reported to the Office of Student Conduct irrespective of scope and circumstances.

NOTE: As specified in the Assignment 3 - Instructions

Posting an assignment question on Chegg or any other site outside the ELMS course site to obtain assistance from anyone other than members of the instruction team of this course is NOT allowed. This is true for all 7 major assignments.

- The instructors, TAs, and the AMPs are the best source for help while working on this assignment. Feel free to seek the instructors’ help at any time, as needed.