

CS 4400 – Introduction to Database Systems

What to Expect During the Project Demonstrations

When you arrive for the demonstration:

Bring a laptop with the following applications open and ready to go:

- MySQL Workbench
- Canvas
- (Phase IV/ Heavyweight only) Your Atlanta Movie Theater Application

Only one laptop is required - however, you might want to have a second laptop "on standby" in case anything unfortunate happens to the primary laptop.

During the demonstration:

1. The TA will greet you and ask whether you've selected the Phase III/Lightweight or Phase IV/Heavyweight option for your presentation. You may make either selection at that time - for example, even if you've prepared an application for the Phase IV/Heavyweight option, you may still select to do the Phase III/Lightweight presentation at demo time. Once you've made your selection and started the demonstration/testing process, however, you cannot change.
2. You will have 45 minutes to complete the testing process. The TA will facilitate your progress through the testing script, but it's otherwise up to your team to complete each step as quickly and clearly as possible.
3. The first step will be to have you open MySQL Workbench and use the Data Export feature to save a "pre-test snapshot" of your database. You should use the same Data Export process that you used when you initially submitted your database. You'll then upload that database snapshot file to a specific location (To Be Announced) on Canvas.
4. Then, the TA will walk you through a series of requests based on a test script that we've developed for this scenario. The test script will include requests to view data, and requests to modify the data in various ways. All of the requests will be framed in the context of the assignment - that is, they will be based on the various screens and tasks as described in the instructions.
5. For each step, your team must complete the task(s) in that step using the system that you've developed.
 - For the Phase IV/Heavyweight option, you must use the application that you've developed to complete the steps. Your application must support navigation between the different screens, and the screens must allow the user to perform the required data display and modification actions.
 - For the Phase III/Lightweight option, you must use the queries (e.g. views, stored procedures, etc.) that you've developed to complete the steps. In some cases, you might need to use multiple queries, etc. to accomplish a task. For example, you might need to execute - or not execute - a certain query based on the results from a different query. In another instance, you might need to execute a certain query multiple times. Since you're not developing a full

application, you'll be allowed to complete the task by demonstrating your queries and explaining how they work in sequence.

6. Once you've completed all of the steps, then you'll be asked to use the Data Export feature once more to save a "post-test snapshot" of your database on Canvas. This will also mark the official completion of the demonstration.

Related Notes:

(A) The TA will observe the demonstration in progress, and collect notes on the correctness of the queries and/or application as the demonstration progresses. Please don't ask them for the "running score" during the demonstration - they will collect the data, and official scores will be posted at a later time.

(B) Even though the TAs will be collecting a significant portion of the data during the demo, they might also analyze the data from the demo, and your submission as a whole, at a later time to further check the correctness of your submission, and better determine your final grade.

(C) As mentioned above, you will have a certain amount of time to complete all of the steps. If you encounter any problems during the demonstration process where your queries (or application capabilities) are not working correctly, then we will offer you the opportunity to perform minor "on-the-spot" repairs. You should weigh this offer very carefully:

- If you choose to "make some repairs", then the clock will continue to tick during your efforts, and you are still responsible for completing as much of the testing script as possible. Steps from the testing script that are left uncompleted will count against your final score.
- If you choose to accept/ignore the errors and continue with the script, then you will likely lose some points because of the errors. On the other hand, this might still result in a better overall score than stopping to make repairs.

Ultimately, this choice is your call to make as a team. The TAs are allowed to let you know where you are in the testing script (e.g. "You've completed 9 of the 15 steps so far..."), and can give you some very general sense of how severe the error is compared to the expected result, but they will not troubleshoot the error for you, nor will they determine the likely impact of the error on the remaining steps of the testing script. We recommend that you discuss this as a team before the demonstration, so that you have a general strategy planned in advance - time is precious during the demo.