CS 4400 Project Demo Requirements / Script

Initial Data

Your team is responsible for populating your database with "simulated" (fake) data for 3 semesters. I recommend that you have a program that deletes everything from your tables and then re-inserts the data, so that at any point in time you can "reset" your database to a "known good" state with a single command (outside of your application program).

Minimum requirements for the sample data:

- You must have at least one administrator.

- You must have at least three courses (school/number combos) that have had a tutoring session each semester. (You can repeat course/number in different semesters) [This makes sure that the administrator reports have some data, see below...]

- Each course must have had a minimum of one tutoring session each semester by a former GTA as well as one by a non-former-GTA. WITH THE FOLLOWING EXCEPTION:

    - You must have one course in one semester should have no tutors used/hired.

    - You must have one course in one semester with no former-GTA's as a tutor (but with non-former-GTA tutors hired)

    - You must have one course in one semester with no non-former-GTA tutors hired (but with at least one former-GTA tutor hired)

- You must have at least one course each semester with at least 5 students who have received tutoring from at least 3 tutors.

- You must have at least three professor users. Each tutor should be rated by between 1 and 3 professors. At least one tutor must have 1 rating, and at least one tutor must have 3 ratings by professors.

- You must have one tutor each who have been reviewed by 0, 1, 2, and 3 students. (This implies you need a minimum of 4 tutors.)

- You should set up course school/names and student tutor names such that the following Demo Script works, but expect that the instructor may instruct you to use a different Tutor/Student name or Course school/number, or Day/Time during the actual demo.

Demo Script

Your team will follow this script to illustrate the functionality of your program.

1. Try to log in as an administrator user (Henry Owen). Mess up your password (system should NOT let you log in.) Type your password correctly, (system should log you in.) Run Summary Report #1 and display the results. Run Summary Report #2 and display the results. Log out.

2. Log in as tutor Matt Schofield (903997777). [Matt should not have signed up to tutor any courses yet.] Sign up to tutor CS 4400, CS2200, Math 3012, and MUSI 4630. [Forget to enter some important data, such as the times you are available. The system should notify you and not modify the database. Now do it correctly with the following available time-slots: Mon: 11,12,1, Wed: 11, 12, 1, Thurs: 9,10,11,12,1,2,3,4, Friday: 1,2,3,4. Look up your tutoring schedule (it should be empty). Log out.

3. Sign in as a student. Search for a tutor [Course info should be provided by the system], pick CS 4400 . (You are free M: 9,11, Wed: 11, and Friday 3,4pm). [Should display at least 2 students who can tutor 4400 during one of those timeslots, NOT including Matt Schofield as he has not yet been rated by a professor). Press the cancel button to return to the main menu without selecting a tutor.

   Try the search again, with only Friday at 4pm available. [There should be no tutors returned by this search, make sure of that when creating your sample data.]
   Log out.

4. Sign in as a professor (Jay Summet). Rate Matt Schofield but mistype his GTID. [The system should catch this.] Retype the GTID messing it up again, using the GTID of a STUDENT that exists in the database. [The system should catch this.] Fix the GTID, but forget to enter a numerical rating [The system should catch this]. Rate him with all fields filled out correctly (Be generous). Log out.

5. Sign in as a student. Search for a tutor for CS 4400. (You are free M: 9,11, Wed: 11, and Friday 3,4pm). [Should display at least 2 students who can tutor 4400 during one of those timeslots, NOW including Matt Schofield as he has been rated by a professor). Move on to the Student Schedule Tutor screen/functionality. Hire Matt Schofield as the tutor you want for Friday at 4pm.

   Search for ANOTHER CS4400 tutor. (At some point before you hire them, the application should tell you that you are only allowed to have one tutor/hour per course/semester.)

6. Log in as tutor Matt Schofield. Retrieve your schedule. The student above should show up on it with the correct data. Log out.

7. Log in as the same student from above. Rate Matt Schofield, but forget to enter a numerical score. [The system should tell you of your mistake and not enter any data into the database.] Rate Matt Schofield again, correctly entering all the data. He was a good tutor.

8. Log in as the Administrator (Heny Owen). Run Summary Report #1 and display the results. Run

Summary Report #2 and display the results.   Go to the Find Tutor Schedule page[1] and look up GTID 999999999 (which does not exist). The application should point out your error. Re-type the GTID of a STUDENT who exists in the system. The system should tell you that the GTID is not that of a tutor. Now look up Matt Schofield (903997777) and the application should show his schedule. Log out.

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[1]   Your client has modified the requirements since Phase II, and now wants administrators to have access to the "Find Tutor Schedule" screen.