

Rubric for CSE 4/560 Demo Presentation:

Total Point: 40 + 10

Pre-requirements: all team members should show in the presentation, 10-15 minutes per team.

Presentation method: Live presentation. Teams should schedule a time with their TAs before May 8, 2022

Rubric:

1. Problem Statement(5):

- a. Why do the authors want to design such a database
- b. Who will be the potential user of this database

2. DB Integrity(10):

- a. Students need to show their ER diagram or DB schemes first, and the final DB should firmly follow the design.
- b. Constraint. Students must show the constraints they designed in Milestone 1 (which can be modified somehow).

3. BCNF Provement (5):

Refer to Task 5

4. SQL Execution (10):

Refer to Task 7.

Note: All queries should be designed to meet the actual needs, not necessarily the more complex the better. We need to analyze different projects accordingly.

5. Query execution analysis (10):

Students can use any tools to help them analyze different query plans. In the analysis, they need to list at least three problematic queries and their costs (Time, spatial or computation cost). They should provide different improvement strategies for each task. For example, subqueries, indexing, triggers, or customized functions.

6. Bonus (10):

- a. Real-time interactive applications. The application should be connected to the database. And the user can modify the records in the database directly through the interface application. **(5)**
- b. Application's completeness, practicality and aesthetics. **(5)**