**CS 7330 Project Part 2**

**From Part 1:**

You are to ***design*** a database to keep track of building inspections required by the department of Faulty or Damaged Buildings (FODB). Implementation will be done in part 2.

**Part 2 Requirements:**

Complete the implementation of your design and populate your database with the provided data. Then, develop and execute queries to determine answers to the following questions:

1. List all buildings (building#, address, type) that have not passed a final (FNL, FN2, FN3) inspection.
2. List the id and name of inspectors who have given at least one failing score.
3. What inspection type(s) have never been failed?
4. What is the total cost of all inspections for builder 12345?
5. What is the average score for all inspections performed by Inspector 102?
6. How much revenue did FODB receive for inspections during October?
7. How much revenue was generated this year by inspectors with more than 15 years seniority?

Implement these changes (in the order given) to your database. The specific data items will be provided in conjunction with Part 2.

1. Demonstrate the adding of a new 1600 sq ft residential building for builder #34567 located at 1420 Main St., Lewisville TX.
2. Demonstrate the adding of an inspection on the building you just added. This framing inspection occurred on 11/21/2021 by inspector 104, with a score of 50, and note of “work not finished.”
3. Demonstrate changing the cost of an ELE inspection changed to $150 effective today.
4. Demonstrate adding of an inspection on the building you just added. This electrical inspection occurred on 11/22/2021 by inspector 104, with a score of 60, and note of “lights not completed.”
5. Demonstrate changing the message of the FRM inspection on 11/2/2021 by inspector #105 to “all work completed per checklist.”
6. Demonstrate the adding of a POL inspection by inspector #103 on 11/28/2021 on the first building associated with builder 45678.

***Leave your database in this state*** # of Inspection rows = \_\_\_\_\_

(END)