

CECS 570
Fall 2020
Assignment 2
Due Date: 9:00 pm Wednesday, September 30, 2020

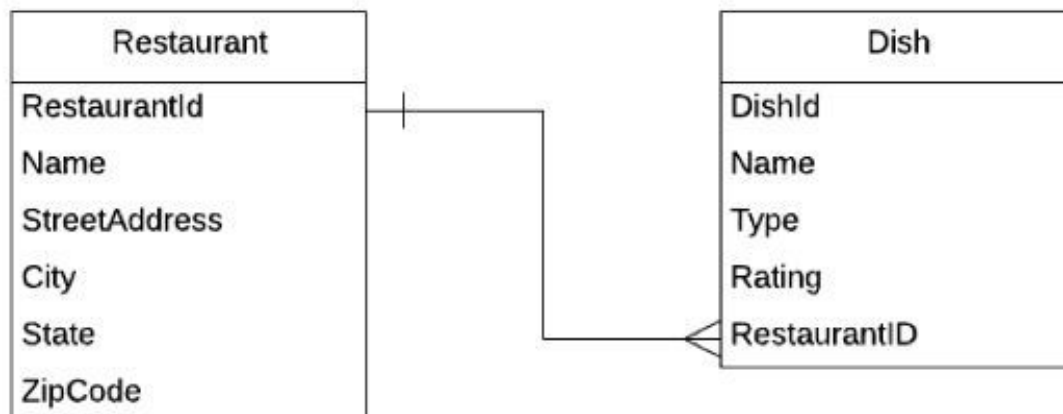
Do problems 5 from chapter 4 and problem 9 of chapter 5 listed below.

1. (Problem 5, Chapter 4) Create a project called MealRater.

The activity layout should contain two EditTexts, one button, and four TextViews. One edit text will allow entering the name of the dish and the other the name of the restaurant. The button will open a rating dialog that will allow the user to rate the meal on a 1 to 5 scale and then display that rating in a TextView.



2. (Problem 9, Chapter 5) Create an app called RestaurantRater that allows the user to save the name and address of a restaurant into a database table and to save entrée, appetizers, and desserts associated with a specific restaurant in a second related table. The second table should contain the following fields: name (of dish), type (entrée, dessert, etc.) and a rating on a 1 to 5 scale. The MainActivity should allow the saving of the restaurant and its address and include a button to open a RateDish activity. This button should pass the name of the restaurant (or id) to the activity. This value will be used as the foreign key in the second table. (See attributes list after problem 3)



3. (Problem 9, Chapter 6) Modify the RestaurantRater app created in Chapter 5, Exercise 9, to display a list of rated meals on the main activity below the address. The list should do the following:
 - 3.1. It should display the meal name, type, and rating. Tapping an object in the list opens the rating activity created previously, and it operates in the same way except that closing the activity now updates the rating in the list.
 - 3.2. It allows the user to delete a meal from the list and the database.
 - 3.3. You may use any of the code in the source files posted on Blackboard.

Attributes List for Restaurant:

RestaurantId: self incrementing integer primary key,

Name: String

StreetAddress: String

City: String

State: String

ZipCode: String

Attributes List for Dish:

DishId: self incrementing integer primary key,

Name: String

Type: String (Main, Appetizer, Dessert)

Rating: Integer

RestaurantId: integer foreign key referencing Restaurant table

A note about assignments and reports:

Your presentation in your report reflects great deal about you, your understanding of the assignment and on how much this course means to you. I try very hard to look at the substance of the report but I will be lying if I said that presentation does not influence my judgment. It would be wise on your part to assume that this true in every course at school and in real life/work. I expect your reports to be well formed and conform to the following rules:

1. All reports have to be submitted as a PDF report that contains:
 1. Title page with your name, assignment number and the day you are actually submitting this report (Not the assignment due date)
 2. A brief description of the assignment.
 3. A brief description of the logic employed and the needed input and expected output.
 4. **A comprehensive set of snapshots showing the inputs submitted, outputs obtained in the case of a successful output or a failure.**

5. Any conclusions, analysis, or answers to any questions I ask as part of the assignment.
3. One text file that contains all source code of all your classes interface and implementation and main.m (not the whole project) .
4. Please zip both the PDF document with the source code and submit one zip file.