

CSE 3330 – Database Systems, Fall 2016
Instructor: Medhat Saleh

Due Date: December Monday 5th, 2016, by 11:59pm

Project 4: Description and Deliverables

Create following application with JAVA/MySQL with the database (given script file project1.sql).

This project must be done individually. No copying is allowed.

Instruction to create your Application

Write Two Programs with the Java Programming language and the standard JDBC API to perform the following:

1. Prompt User for the following:

From Airport?
To Airport?
Seat Class?

Use Airport_To_Airport_Capacity (from Project 3) and display the results of the query corresponding to the above parameters. Display results in exact order and format specified.

2. Prompt User to enter a reservation with the following sequence of questions:

- Passenger Name?
- Passenger Phone?
- Flight Number?
- Flight Date?
- From Airport?
- To Airport?
- Seat Class?

All data must be valid and the user must be prompted repeatedly for the question until valid data is entered or "/Q" is entered to quite the program. After all data is completed, the program first attempts to match the User Name and Phone number with EXACT match. If found, the passenger row will be used, otherwise a new passenger row is created with the given data. The program then inserts the reservation row corresponding to the data given.

Submission instruction

Submit file electronically. Add a header on your submitted file submission using following format:

Class: CSE 3330
Semester: Fall 2016
Student Name: your name (Last, First, NETID)
Student ID: your id

****Platform**

We ONLY use MySQL RDBMS on Omega@UTA.EDU for testing your queries on Airline Database.

You need to make sure that your application is runnable on OMEGA/MYSQL command line.

In this project, you should present a demo of your application. I will make a scheduling list on doodle, you may pick one slot (10 minutes).

In 10 minutes:

You should run your code on Omega in your laptop, explain quickly about your code, and answer the given question (question will be about your coding and experiment on this project)