**CSE 3330 – Database Systems, Spring 2018**
**Instructor: Medhat Saleh**
**Due Date:** <mark>March Sunday 4th, 2018, by 11:59pm</mark>

## Project 2: Description and Deliverables

Write and run SQL queries for the given English queries on Airline Database. Given the database (given script file airline.sql in project 2 folder), wright and run following simple queries for the given database.

<mark>This project must be done individually. No copying is allowed.</mark>

## Description: Creation of Airline Database

In this project, you create a database for the given relations into Relational database management system (RDBMS). The relation is based on .png file from project1 folder. Before writing your query, run **airline.sql**. This script file is the answer key for project1. Your query will be tested based on **airline.sql** data set. Do not manipulate this script file. This script file will create the database and populates the data in each table.

## <mark>**Platform</mark>
**We ONLY use MySQL RDBMS on Omega@UTA.EDU for testing your project. You need to make sure that your database is runnable on OMEGA/MYSQL command line.**

**Please contact to OIT Computing Helpdesk to open an account and check your login on MYSQL with them to make sure your account works on Omega@UTA.EDU and MYSQL properly.**

## Instruction to run queries on your database

## Create Script [YourNetID_q.sql]

Create a script with given following queries on given database, say [netID_q.sql]. Use the comment facility in MySQL (starting a line with -- ) to write the English version of your query, followed by the SQL version of the query. Also show the expected output in the file. These .sql files should be executed from the MySQL prompt.

## Simple Queries:
1. Retrieve the ID, the model, and the last maintenance date for each plan that was made by 'AIRBUS'
2. Retrieve the names of passengers who had reservations on flights with meals.
3. Retrieve the names of pilots who flew FROM any airport in 'TX'.

4. Retrieve the total number of flights for the passenger 'Jones'.
5. Retrieve every plan maker, model plane type that lands in CA.
6. Retrieve the Maker and the total number of planes made by this Maker, for Makers who make any plane with total number of seats more than 350.
7. Retrieve all flight numbers that depart from or arrive at airport DFW
8. Retrieve the Maker, Model, and total number of seats of planes that has more than 300 seats in total.

## Submission instruction

All files should be in a folder name (**YourNetID_P2**) and must be submitted electronically.

Add a header to each of your submitted files submission using following format:
- **Class:**          **CSE 3330**
- **Semester:**       **Spring 2018**
- **Student Name:**   **your name (Last, First, NETID)**
- **Student ID:**     **your id**
- **Assignment:**     **project #2**

For the electronic submission purposes, combine all of the required files in a one zip file names **YourNetID_pr2.zip** and submit through Blackboard.

Note: submission rule is mandatory and student will lose 5% if does not follow the rule for naming the files. Delay submission will lose 10%