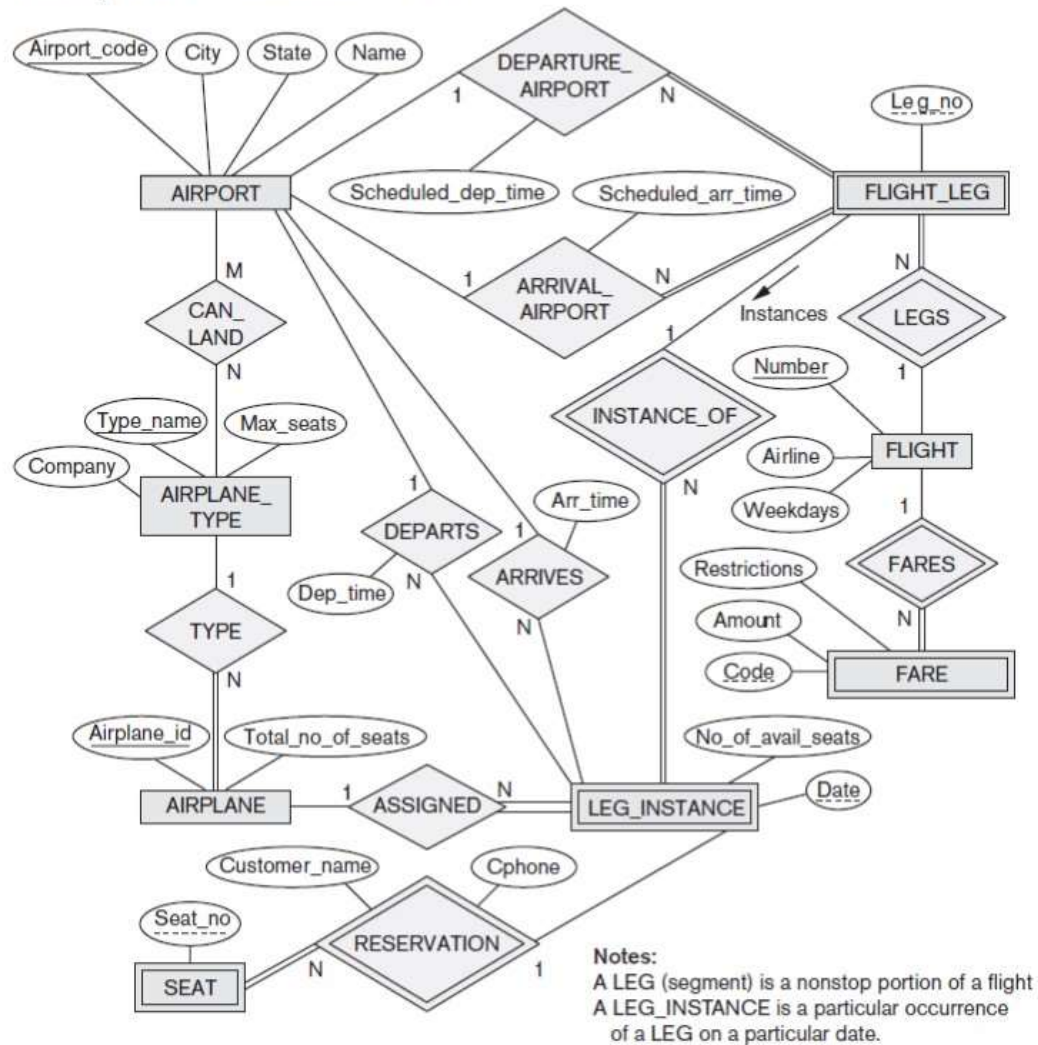# Homework 2

ER/Mapping/Db Schema

Have the ER defined below. The figure is taken from ElMasri book (6th edition) Chapter 7.

Figure 7.20
An ER diagram for an AIRLINE database schema.

Notes:
A LEG (segment) is a nonstop portion of a flight
A LEG_INSTANCE is a particular occurrence
of a LEG on a particular date.

1. Redraw the ER using MysqlWorkBench.
2. Use the forward engineering option to generate the db schema of the drawn ER.
3. Save the obtained file as (.sql) file
4. Create the db schema based on the obtained SQL file. You can use either Workbench or heidi for that.
5. Manually create the db schema based on the mapping algorithm. You do not have to use the SQL syntax. Specify the foreign keys using arrows and specify whether each FK is unique or not null.
6. Report q1 to q5 in a SINGLE pdf document and upload it via LMS.

Nb.: handwritten answer is not acceptable