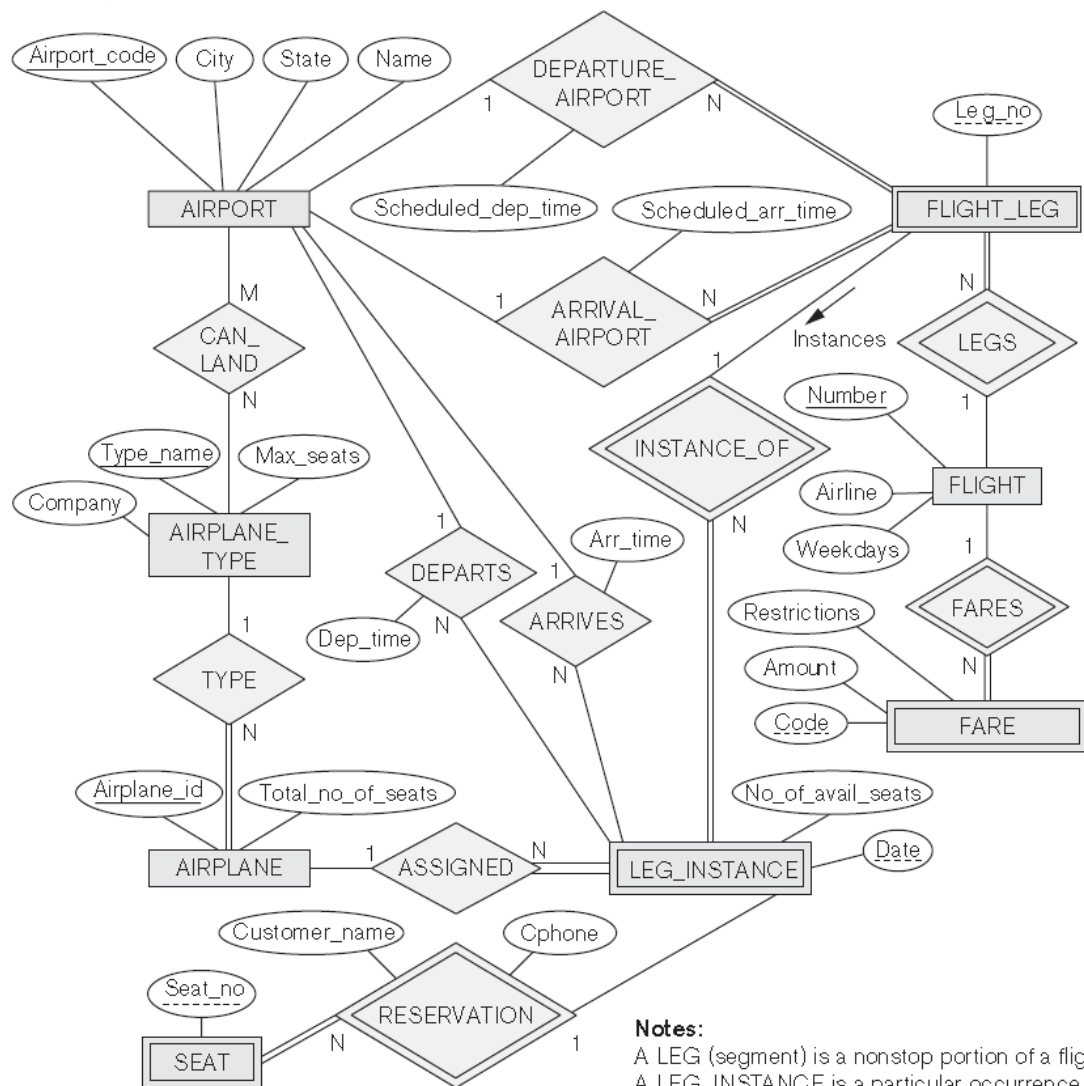


Database Management Systems

Lab Cycle-I (ER Model to Relational Model and Creation of Database and Quering in SQL)

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.

- a) Convert the ER Model into Relational Database and create using SQL
- b) Answer the following queries
 - i. Find the customer name reserved by maximum number of seats.
 - ii. Find the flight no of all flights that can be used on non-stop flights from B to M.
 - iii. Find the flight No which charges the lowest fare from city A to city B.
 - iv. Find all flights running on every day from city A to city B.
 - v. Find all flights departure from City X.
 - vi. Find all the flights which are having greater than 200 seats.
 - vii. Find how many passengers are travelled from city X on 01-01-2014
 - viii. Find the flight names which are departs between 5pm to 8 pm at city X
 - ix. Find the company name designed by flight AIRBUS123.
 - x. Find the total no.of hours travelled by the flight AIRBUS123.