

Exercise 2

In this exercise, you will design the ER model for flight database.

We'll cover the following



- The flight database

The flight database

The flight database stores details about an airline's fleet, flights, and seat bookings. Again, it's a hugely simplified version of what a real airline would use, but the principles are the same.

Consider the following requirements list:

Entities:

- AIRPLANE entity
- FLIGHT entity
- PASSENGER entity
- BOOKING entity

Attributes:

- An airplane has a model number, a unique registration number, and the capacity to take one or more passengers.
- An airplane flight has a unique flight number, a departure airport, a destination airport, departure date and time, and arrival date and time.
- A passenger has a first name, surname, and unique email address.

Relationships:

- Each flight is carried out by a single airplane.
- The airline has one or more airplanes.
- A passenger can book a seat on a flight.

Try to design the ER diagram on your own. Give it some time and if you have trouble remembering some of the concepts, feel free to take a look at the previous lessons.

In the next lesson, we will discuss the solution to this problem.