

The ER diagram is consisted of 8 entities.

The super entity Person, has 3 sub-entities, Passenger, Flight attendance, and Pilot.

The Pilot and flight attendance are then hired by Airline, which can be uniquely identified by its Carrier ID. These are 2 many-to-one relationship.

The Airline owns Planes, which has a primary key of Tails number. This is also a many-to-one relationship.

Planes then works as Flights, which can be uniquely identified by its flight number. A many-to-one relationship, as a plane could fly multiple flights.

Ticket is the admission to its flight, which also has the flight number as the primary key. This is a many-to one relationship.

Passengers travel to Airports, then Airports are located in cities. This is a many-to-one relationship.

And there are flight routes between those airports.