Flight Booking System - ER Diagram

Conceptual Entity-Relationship Diagram (Crow's Foot Notation)

AIRLINE

PK _id
airlineCode (UK)
name
logoUrl
contactEmail
isActive

AIRPORT

PK _id
iataCode (UK)
name
city, country
timezone
isActive

origin / destination

FLIGHT

PK _id
flightNumber
FK airlineCode → AIRLINE
FK origin → AIRPORT
FK destination → AIRPORT
departureDateTime
arrivalDateTime
totalSeats, availableSeats

SEAT (embedded in FLIGHT)

seatNumber
seatClass
isAvailable
seatType
extraCharge

via seatNumber

BOOKING

PK _id
pnr (UK)
FK flightId → FLIGHT
contactEmail
contactName
totalFare, currency
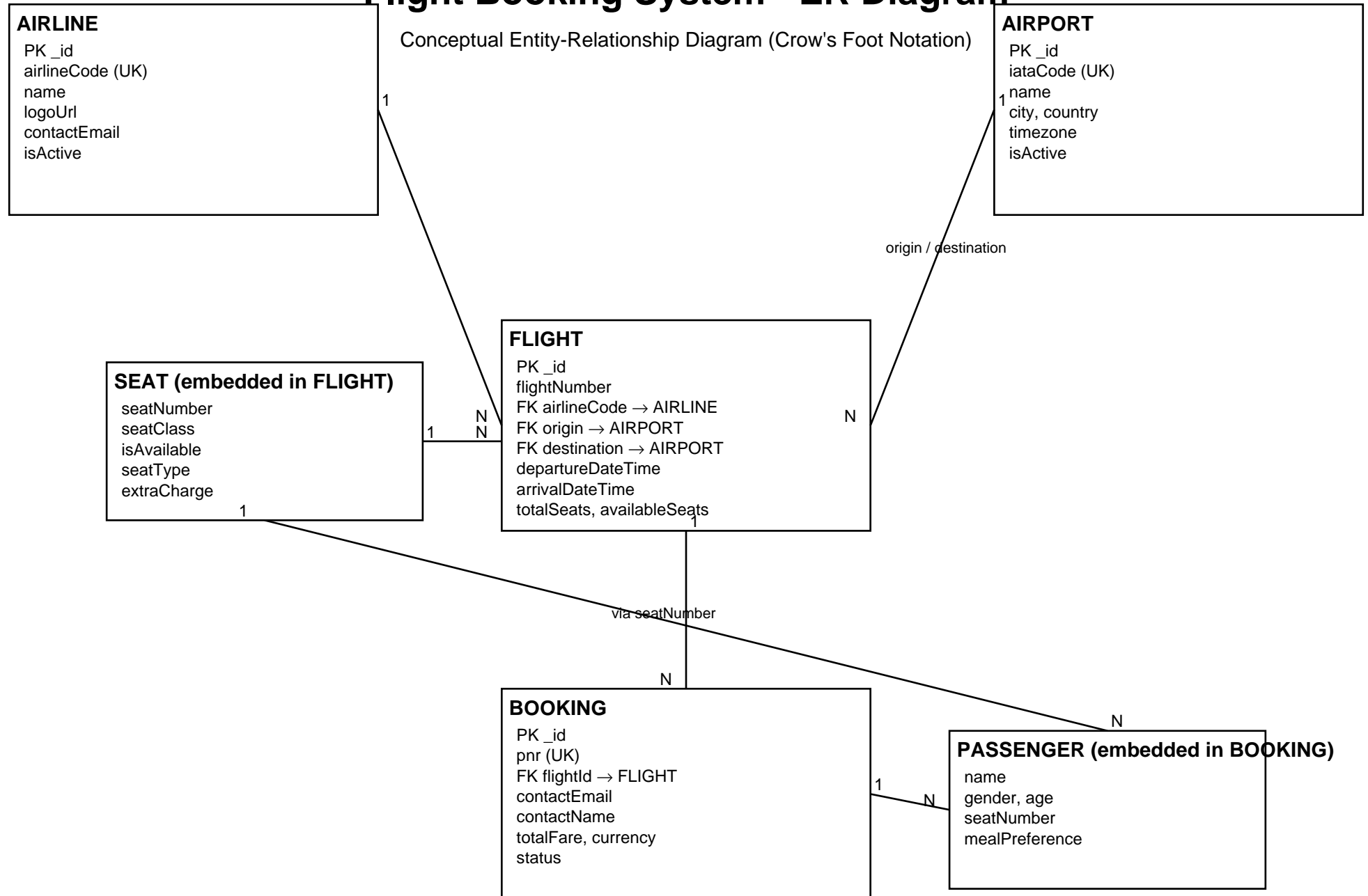status

PASSENGER (embedded in BOOKING)

name
gender, age
seatNumber
mealPreference

Note: SEAT is embedded in FLIGHT; PASSENGER is embedded in BOOKING. Keys and main attributes are shown for context.