Airport System Database Design

Flight

id UUID

flightNumber (String)

departureAirport (String)

destinationAirport (String)

departureTime (DateTime)

arrivalTime (DateTime)

airline (String)

availableSeats (INT)

createdAt (DateTime)

updatedAt (DateTime)

Staff

id (UUID)

name (String)

Role (ENUM)

employeeId (String)

assignedFlightId (FK)

createdAt (DateTime)

updatedAt (DateTime)

FlightToPassenger

flightId

PassengerId

flight has many passengers
and a passenger can have
many flight.
-> many to many relation

Passenger

id (UUID)

name (String)

passportNumber (String)

nationality

createdAt (DateTime)

updatedAt (DateTime)

Baggage

id (UUID)

tag_number (String)

weight_kg

flightId (FK)

passengerId (FK)

currentStatus (ENUM)

currentLocation (String)

createdAt (DateTime)

updatedAt (DateTime)

BaggageTracking

id (UUID)

scannedBy (FK) -> Staff

baggageId (FK)

status (ENUM)

location (String)

scannedAt (DateTime)

createdAt (DateTime)

updatedAt (DateTime)

1:N

1:N

1:N

1:N

1:N

1:N