

Documentation for DB for Airport

List of entities:

- Airport
- Airline compan
- Flight
- Booking
- Booking update
- Passenger
- Ticket
- Baggage
- Baggage security check info
- Passenger security check info

Required Attributes of each entity:

Airport: id(PK), name, country, state, city, date_created, date_updated

Airline company: id(PK), name, country, date_created, date_updated

Flights: id(PK), airline id(FK), departing airport id(FK), arriving airport id(FK), departing gate, arriving gate, scheduled_departure_time, scheduled_arrival_time, actual_departure_time, actual_arrival_time, date_created, date_updated

Bookings: id(PK), status, booking_platform, price, date_created, date_updated

Booking tracked changes: id(PK), booking id(FK), description

Tickets: id(PK), booking id(FK), flight_id(FK), passenger_id(FK), seat number, boarding time, date_created, date_updated

Passenger info: id(PK), first name, last name, gender, birth date, country of citizenship, country of residence, passport number, date_created, date_updated

Passenger security check info: id(PK) , passenger id(FK), status, date created, date updated

Baggage: id(PK), ticket id(FK), weight, date_created, date_updated

Baggage security check info: id(PK), baggage id(FK), check status, date_created, date_updated

All constraints & datatypes are described fully in ERD

Relationships:

Airport(one)->flight(many)
 Airline(one)->flight(many)
 Flight(one)->tickets(many)
 Booking(one)->tickets(many)
 Passenger(one)->tickets(many)
 Ticket(one)->baggages(many)
 Passenger(one)->Passenger_check(one)
 Baggage(one)->baggage_check(one)

Link to figma ERD diagram: <https://www.figma.com/board/62lCYvy04UCSttZTFtYNSz/lab1-ERD?t=jkuvxl9oCdXRhx1-6>

