

Database documentation

Tables:

- Airports
- Countries
- Airlines
- Flights
- Passengers
- Bookings
- Security
- Baggage
- Boarding passes
- Baggage check

Required Attributes of each entity:

Airports

- airport_id (PK)
- airport_name
- country_id (FK)
- state
- city
- created_at
- updated_at

Airlines

- airline_id (PK)
- airline_code
- airline_name
- country_id (FK)
- created_at
- updated_at

Flights

- flight_id (PK)
- airline_id (FK)
- departure_airport_id (FK)
- arrival_airport_id (FK)

- departing_gate
- arriving_gate
- scheduled_departure
- actual_departure
- scheduled_arrival
- actual_arrival
- created_at
- updated_at

Bookings

- booking_id (PK)
- flight_id (FK)
- passenger_id (FK)
- status
- booking_platform
- price
- created_at
- updated_at

Boarding passes

- boarding_pass_id (PK)
- booking_id (FK)
- seat
- boarding_time
- created_at
- updated_at

Passengers

- passenger_id (PK)
- first_name
- last_name
- gender
- date_of_birth

- country_citizenship
- country_residence
- passport_number
- created_at
- updated_at

Baggage

- baggage_id (PK)
- booking_id (FK)
- weight
- created_at
- updated_at

Baggage check

- baggage_check_id (PK)
- baggage_id (FK)
- passenger_id (FK)
- results
- created_at
- updated_at

Security checks

- security_check_id (PK)
- passenger_id (FK)
- check_results
- created_at
- updated_at

Countries

- country_id (PK)
- country_name

Relationships:

- Country (one) → Airport (many)

- Country (one) → Airline (many)
- Airline (one) → Flight (many)
- Airport (one) → Flight_departure (many)
- Airport (one) → Flight_arrival (many)
- Flight (one) → Booking (many)
- Passenger (one) → Booking (many)
- Booking (one) → Boarding pass (one)
- Booking (one) → Baggage (many)
- Passenger (one) → Security check (many)
- Passenger (one) → Baggage check (many)
- Baggage (one) → Baggage check (one)

