**Entities or Tables**

* Airport
* Airline
* Flight
* Passenger
* Booking
* BookingChanges
* BoardingPass
* Baggage
* BaggageCheck
* Security

**Attributes**

Airport:

* airport\_id (PK)
* airport\_name
* country\_id
* state, city
* created\_at, updated\_at

Airline:

* airline\_id (PK)
* airline\_code
* airline\_name
* country\_id
* created\_at, updated\_at

Flight:

* 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

Passenger:

* passenger\_id (PK)
* first\_name
* last\_name
* gender
* date\_of\_birth
* country\_citizenship
* country\_residence
* passport\_number
* created\_at, updated\_at

Booking:

* booking\_id (PK)
* flight\_id (FK)
* passenger\_id (FK)
* status
* booking\_platform
* ticket
* price
* created\_at, updated\_at

BookingChanges:

* change\_id (PK)
* booking\_id (FK)
* changed\_at
* changed\_by
* old\_value
* new\_value

BoardingPass:

* boarding\_pass\_id (PK)
* booking\_id (FK)
* seat
* boarding\_time
* created\_at, updated\_at

Baggage:

* baggage\_id (PK)
* booking\_id (FK)
* weight
* created\_at, updated\_at

BaggageCheck:

* baggage\_check\_id (PK)
* booking\_id (FK)
* passenger\_id (FK)
* results
* created\_at, updated\_at

SecurityCheck:

* security\_check\_id (PK)
* passenger\_id (FK)
* check\_results
* created\_at, updated\_at

**Relationships:**

* airports ↔ flights
  + flights.departure\_airport\_id → airports.airport\_id
  + flights.arrival\_airport\_id → airports.airport\_id
  + 1 → N
* airlines ↔ flights
  + flights.airline\_id → airlines.airline\_id
  + 1 → N
* flights ↔ booking
  + booking.flight\_id → flights.flight\_id
  + 1 → N
* passenger ↔ booking
  + booking.passenger\_id → passenger.passenger\_id
  + 1 → N
* booking ↔ booking\_change
  + booking\_change.booking\_id → booking.booking\_id
  + 1 → N
* booking ↔ boarding\_pass
  + boarding\_pass.booking\_id → booking.booking\_id
  + 1 → 1
* booking ↔ baggage
  + baggage.booking\_id → booking.booking\_id
  + 1 → N
* baggage\_check ↔ booking + passenger
  + baggage\_check.booking\_id → booking.booking\_id
  + baggage\_check.passenger\_id → passenger.passenger\_id
  + 1 → N
* security\_check ↔ passenger
  + security\_check.passenger\_id → passenger.passenger\_id
  + 1 → N
* 1 → N (one-to-many)
* 1 → 1 (one-to-one).