**Identify Entities:**

1. **Airports**
2. **Airlines**
3. **Flights**
4. **Bookings**
5. **Booking\_Changes**
6. **Passengers**
7. **Boarding\_Passes**
8. **Baggage**
9. **Baggage\_Checks**
10. **Security\_Checks**

**Attributes:**

**Airports**

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

**Airlines**

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

**Flights**

* flight\_id (PK)
* departing\_gate
* arriving\_gate
* created\_at
* updated\_at
* airline\_id (FK)
* departure\_airport\_id (FK)
* arrival\_airport\_id (FK)
* scheduled\_departure\_time
* scheduled\_arrival\_time
* actual\_departure\_time
* actual\_arrival\_time

**Bookings**

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

**Booking\_Changes**

* change\_id (PK)
* booking\_id (FK)
* change\_details
* changed\_at

**Passengers**

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

**Boarding\_Passes**

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

**Baggage**

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

**Baggage\_Checks**

* baggage\_check\_id (PK)
* check\_result
* created\_at
* updated\_at
* booking\_id (FK)
* passenger\_id (FK)

**Security\_Checks**

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

**Identify Relationships**

1. **Airlines — Flights** (1 : N)
2. **Airports — Flights** (Two 1:N relationships for Departure and Arrival)
3. **Flights — Bookings** (1 : N)
4. **Passengers — Bookings** (1 : N)
5. **Bookings — Booking\_Changes** (1 : N)
6. **Bookings — Boarding\_Passes** (1 : 1)
7. **Bookings — Baggage** (1 : N)
8. **Bookings — Baggage\_Checks** (1 : N)
9. **Passengers — Baggage\_Checks** (1 : N)
10. **Passengers — Security\_Checks** (1 : N)

