



N = NULL
U = UNIQUE
PK = Primary Key
FK = Foreign Key

The model stores data about airports (Airport), airlines (Airline), flights (Flight), passengers (Passenger), and their bookings (Booking). A flight is operated by a single airline and is linked to a departure and an arrival airport. A passenger can make multiple bookings for different flights; at the booking level a boarding pass (BoardingPass) is issued—one booking corresponds to one pass—and baggage (Baggage) is registered, which may undergo one or more inspections (BaggageCheck). Passengers undergo security screening (SecurityCheck). Changes to a booking are recorded in a change history (BookingChange). The model is normalized to 3NF: transitive redundancy is eliminated (e.g., BaggageCheck stores only baggage_id), and keys and integrity constraints are defined to ensure the uniqueness of seats per flight and of passports, as well as referential correctness.