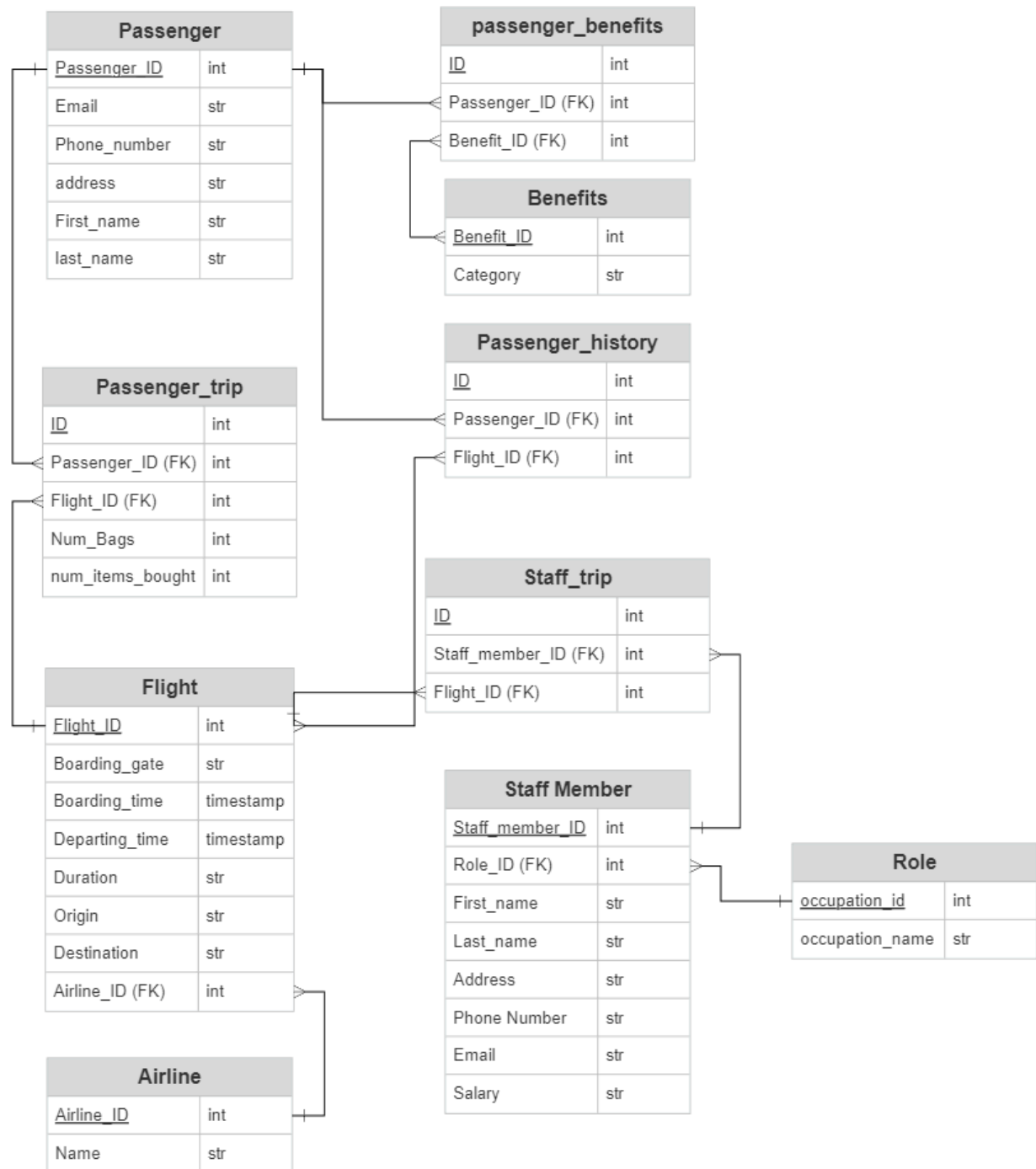
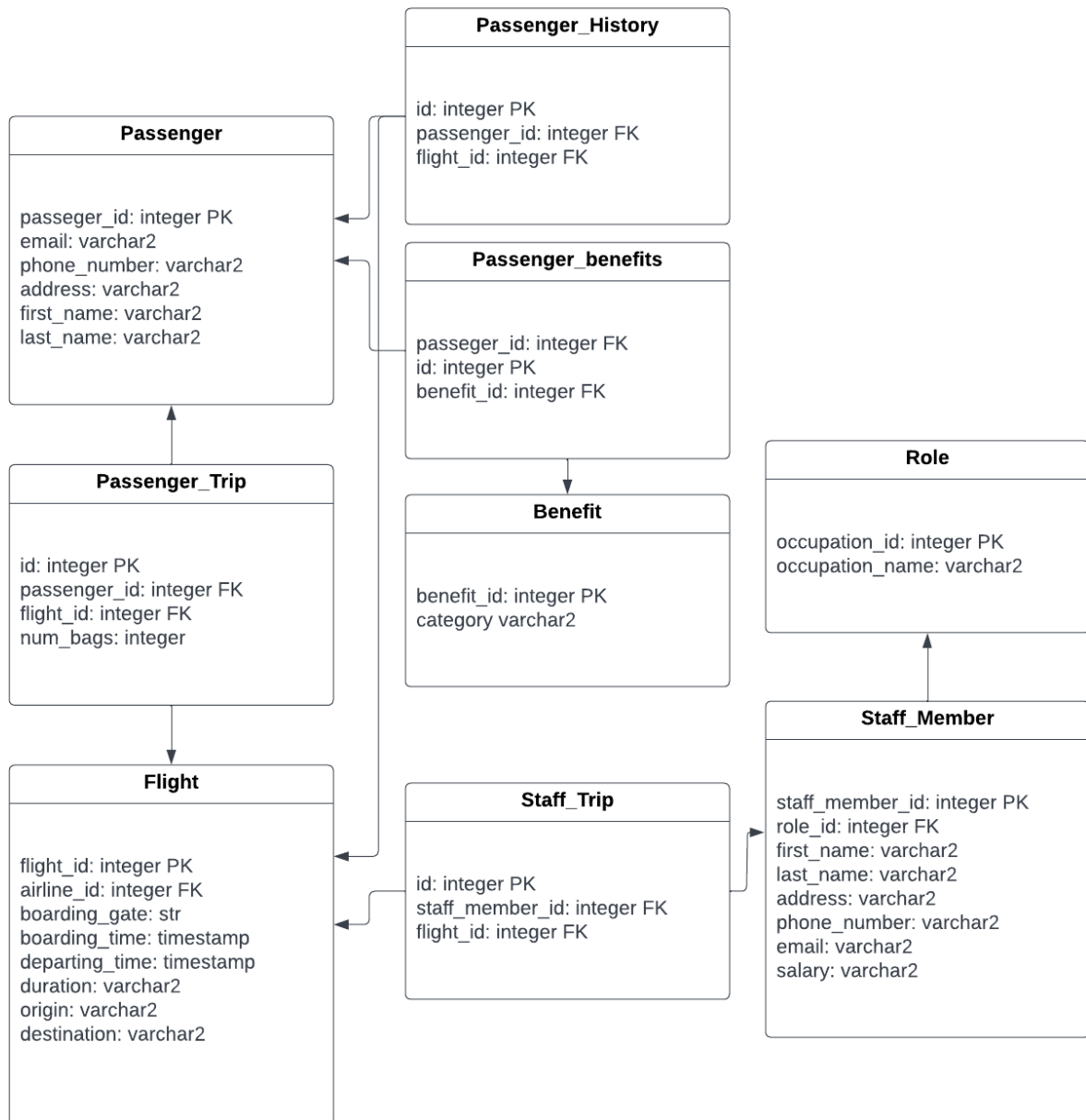


ER DIAGRAM:



RELATIONAL SCHEMA:



FUNCTIONAL DEPENDENCIES:

Passenger:

Passenger_id -> email phone_number address first_name last_name

Passenger_trip:

Id -> passenger_id flight_id num_bags

Passenger_history:

Id -> passenger_id flight_id

Passenger_Benefits:

Id -> passenger_id benefit_id

Benefit:

Benefit_id -> category

Flight:

Flight_id -> airline_id boarding_gate boarding_time
departing_time duration origin destination

Staff_Trip:

Id -> staff_member_id flight_id

Role:

Occupation_id -> occupation_name

Staff_member:

Staff_member_id -> role_id first_name last_name address
phone_number email salary

All of these are in BCNF simply for the fact that the only functional dependencies, are the ones given by the primary key forced into every relation, and since then the LHS is all a superkey, All FDs are in BCNF