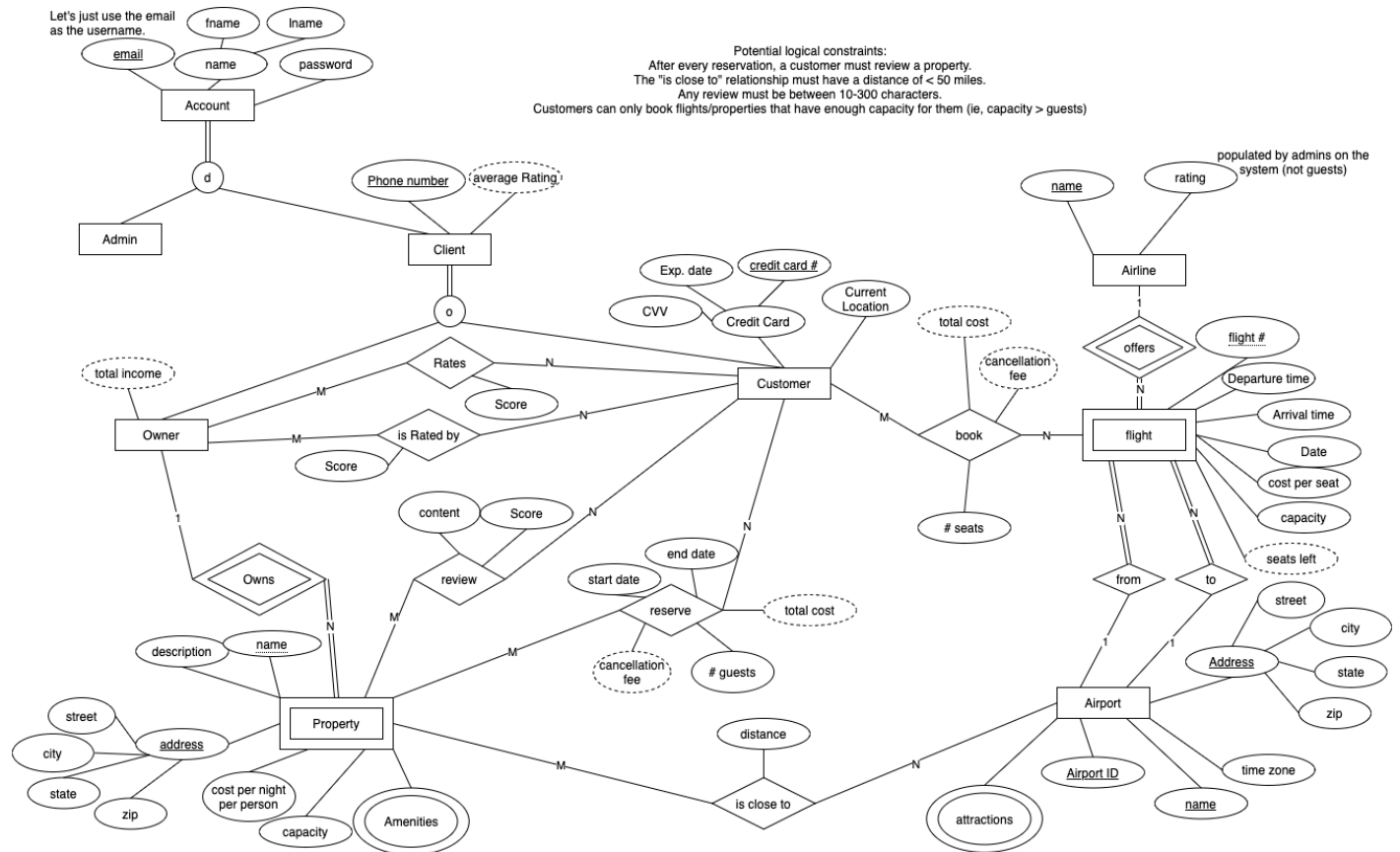


EER Diagram



Final Relational Schema

account = (email, fname, lname, password)

admin = (admin_email [fk1])

fk1: admin_email -> **account** (email)

client = (phone_number, client_email [fk2])

fk2: client_email -> **account** (email)

owner = (owner_email [fk3])

fk3: owner_email -> **client** (client_email)

customer = (credit_card_no, exp_date, cvv, current_location, customer_email [fk4])

fk4: customer_email -> **client** (client_email)

airline = (name, rating)

airport = (airport_id, name, street, city, state, zip, time_zone)

property = (name, owner_email [fk5], street, city, state, zip, description, cost_per_night_per_person, capacity)

fk5: owner_email -> **owner** (owner_email)

flight = (airline_name [fk6], flight_num, departure_time, arrival_time, date, cost_per_seat, capacity, departure_airport_id, arrival_airport_id)

fk6: airline_name -> **airline** (name)

rates = (owner_email [fk7], customer_email [fk8], score)

fk7: owner_email -> **owner** (owner_email)

fk8: customer_email -> **customer** (customer_email)

is_rated_by = (owner_email [fk9], customer_email [fk10], score)

fk9: owner_email -> **owner** (owner_email)

fk10: customer_email -> **customer** (customer_email)

review = (property_name [fk11], customer_email [fk12], owner_email [fk13], content, score)

fk11: property_name -> **property** (name)

fk12: customer_email -> **customer** (customer_email)

fk13: owner_email -> **owner** (owner_email)

reserve = (property_name [fk14], customer_email [fk15], owner_email [fk16], start_date, end_date, num_guests)

fk14: property_name -> **property** (name)

fk15: customer_email -> **customer** (customer_email)

fk16: owner_email -> **owner** (owner_email)

is_close_to = (property_name [fk17], owner_email [fk18], airport_id [fk19], distance)

fk17: property_name -> **property** (name)

fk18: owner_email -> **owner** (owner_email)

fk19: airport_id -> **airport** (airport_id)

book = (airline_name [fk20], flight_num [fk21], customer_email [fk22], num_seats)

fk20: airline_name -> **flight** (airline_name)

fk21: flight_num -> **flight** (flight_num)

fk22: customer_email -> **customer** (customer_email)

property_amenity = (property_name [fk23], property_owner [fk24], amenity_name)

fk23: property_name -> **property** (name)

fk24: property_owner -> **property** (owner_email)

airport_attraction = (airport_id [fk25], attraction_name)

fk25: airport_id -> **airport** (airport_id)