CS 4400 - Project Phase 2 - Relational Schema

Account = (email, fname, lname, password)

Admin = (email [fk1])
fk1: email -> Account.email

Client = (email [fk2], phone_number)
fk2: email -> Account.email

Owner = (email [fk3], phone_number)
fk3: email-> Client.email

Customer = (email [fk4], phone_number, ccnum, exp_date, cvv, current_location)
fk4: email -> Client.email

Rates = (owner_email [fk5], customer_email [fk6], score)
fk5: owner_email -> Owner.email
fk6: customer_email -> Customer.email

Rate_by = (owner_email [fk7], customer_email [fk8], score)
fk7: owner_email -> Owner.email
fk8: customer_email -> Customer.email

Property = (name, owner_email [fk9], street, city, state, zip, description, nightly_cost, capacity)
fk9: owner_email -> Owner.email

Amenities = (property_name, owner_email [fk10], amenity)
fk10: property_name, owner_email -> Property.name, Property.owner_email

Review = (customer_email [fk11], property_name, owner_email [fk12], content, score)
fk11: customer_email -> Customer.email
fk12: property_name, owner_email -> Property.name, Property.owner_email

Airline = (name, rating)

Airport = (airportID, name, street, city, state, zip, time_zone)

Flight = (flight_num, airline_name [fk13], departure_time, arrival_time, date, seat_cost, capacity, departure_airportID [fk14], arrival_airportID [fk15])
fk13: airline_name -> Airline.name
fk14: depart_airportID -> Airport.airportID
fk15: arrival_airportID -> Airport.airportID

Attractions = (<u>airportID</u> [fk16], <u>attraction</u>)
fk16: airportID -> Airport.airportID

Flight_book = (<u>customer_email [fk17], flight_num, airline_name [fk18]</u>, num_of_seats)
fk17: customer_email -> Customer.email
fk18: flight_num,airline_name -> Flight.num, Airline.name

Property_Close_to = (<u>property_name, owner_email</u> [fk19], <u>airportID</u> [fk20], distance)
fk19: property_name, owner_email -> Property.street, Property.city, Property.state, Property.zip, Property.owner_email
fk20: airportID -> Airport.airportID

Reserve = (<u>customer_email</u> [fk21], <u>property_name, owner_email</u> [fk22], start_date, end_date, num_of_guests)
fk21: customer_email -> Customer.email
fk22: property_name, owner_email -> Property.name, Property.owner_email