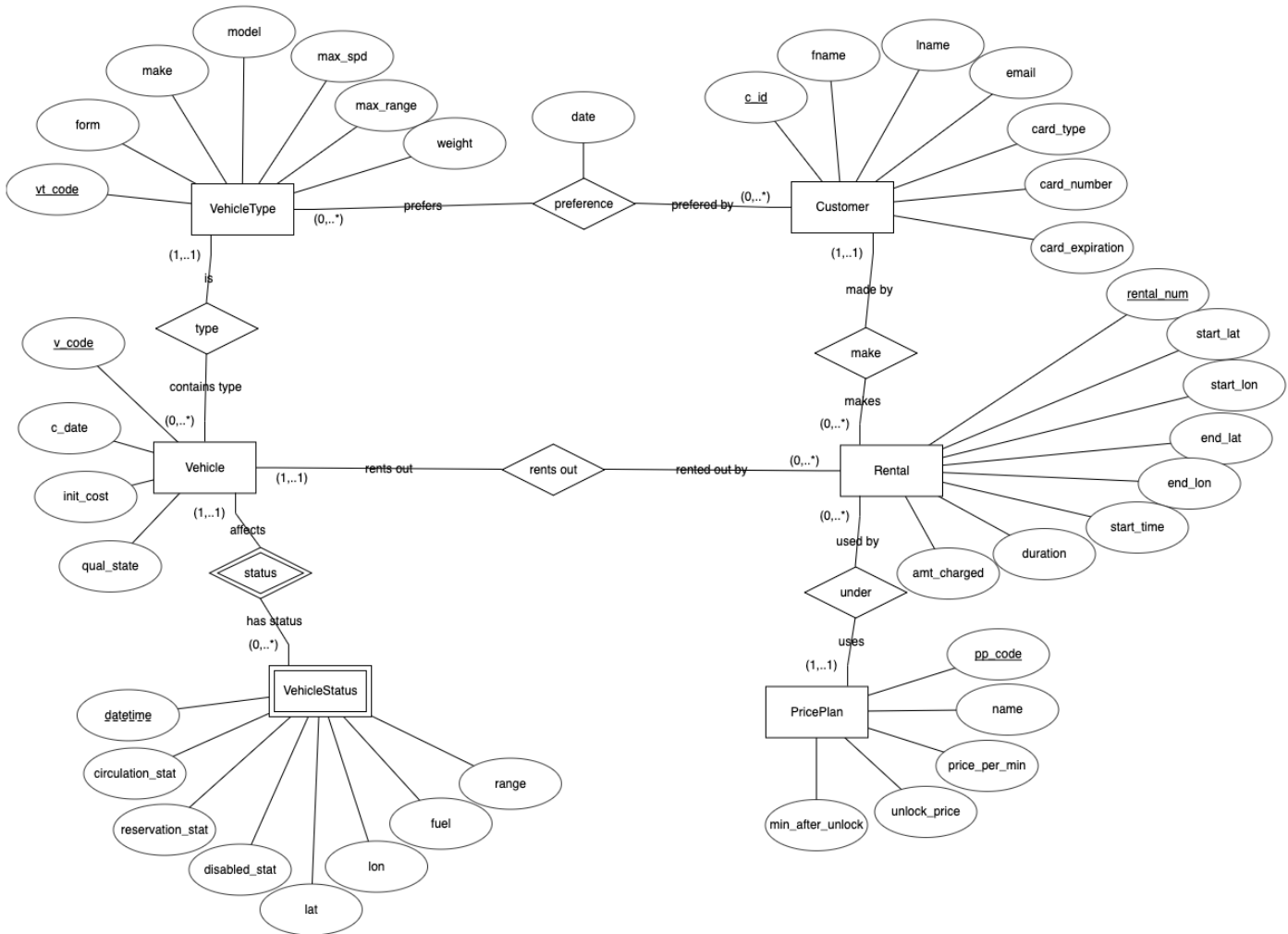**Samuel Sovi**

DBMS hw #5

Question 1:

(Question 2 on next page)

Question 2:

VehicleType(**vt_code**, form, make, model, max_spd, max_range, weight)

Vehicle(**v_code**, c_date, init_cost, qual_state, vt_code)

- vt_code is foreign key from VehicleType.vt_code

VehicleStatus(**v_code, datetime**, circulation_stat, reservation_stat, disabled_stat, lat, lon, fuel, range)

- v_code is foreign key from Vehicle.v_code

Customer(**c_id**, fname, lname, email, card_type, card_number, card_expiration)
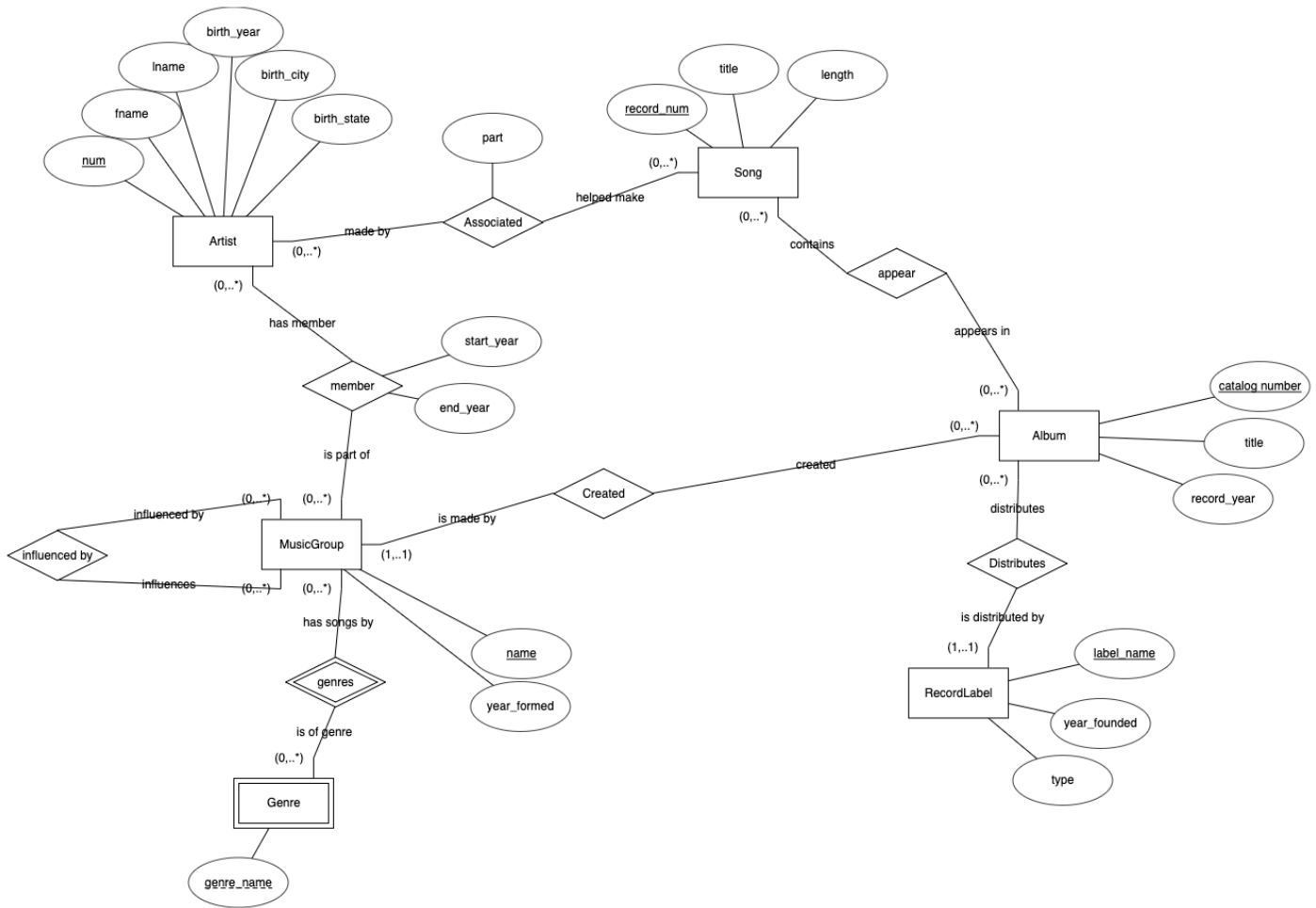
PricePlan(**pp_code**, name, price_per_min, unlock_price, min_after_unlock)

Rental(**rental_num**, start_lat, start_lon, end_lat, end_lon, start_time, duration, amt_charged, c_id, v_code, pp_code)

- c_id is foreign key from Customer.c_id

- v_code is foreign key from Vehicle.v_id

- pp_code is foreign key from PricePlan.pp_code

(Question 3 on next page)

Question 3:

(Question 4 on next page)

Question 4:

Artist(**num**, fname, lname, birth_year, birth_city, birth_state)

MusicGroup(**name**, year_formed)

RecordLabel(**label_name**, year_founded, type)

Member(**a_num, mg_name**, start_year, end_year)

-       a_num is foreign key from Artist.num

-       mg_name is foreign key from MusicGroup.name

Genre(**mg_name, genre_name**)

-       mg_name is foreign key from MusicGroup.name

Album(**catalog_number**, title, record_year, mg_name, label_name)

-       mg_name is foreign key from MusicGroup.name

-       label_name is foreign key from RecordLabel.label_name

Song(**record_num**, title, length, a_num)

-       a_name is foreign key from Album.catalog_number

SongArtist(**s_num, a_num**, part)

-       s_num is foreign key from Song.record_num

-       a_num is foreign key from Artist.num

Influence(**influencer, influenced**)

-       influencer is foreign key from MusicGroup.name

-       influenced is foreign key from MusicGroup.name