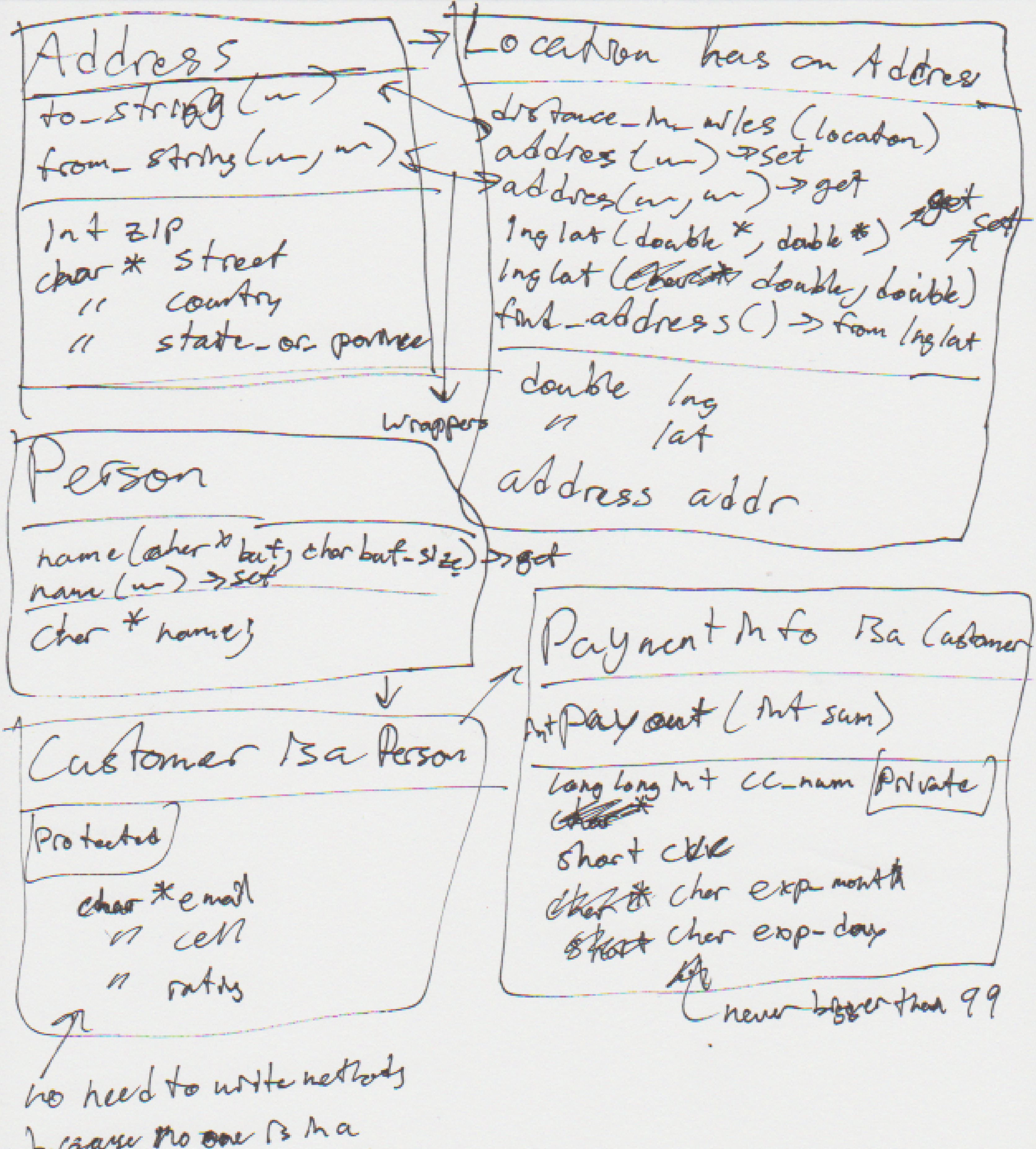


Address

to_string(~)
from_string(~, ~)

int zip
char * street
" country
" state_or_porvnee

Location has an Address

distance_in_miles(location)
address(~) -> set
address(~, ~) -> get
lnglat(double *, double *) -> get
lnglat(~~char*~~ double, double) -> set
find_address() -> from lnglat

double lng
" lat
address addr

Wrappers

Person

name(char* buf, char buf_size) -> get
name(~) -> set

char * name;

Customer is a Person

Protected

char *email
" cell
" rating

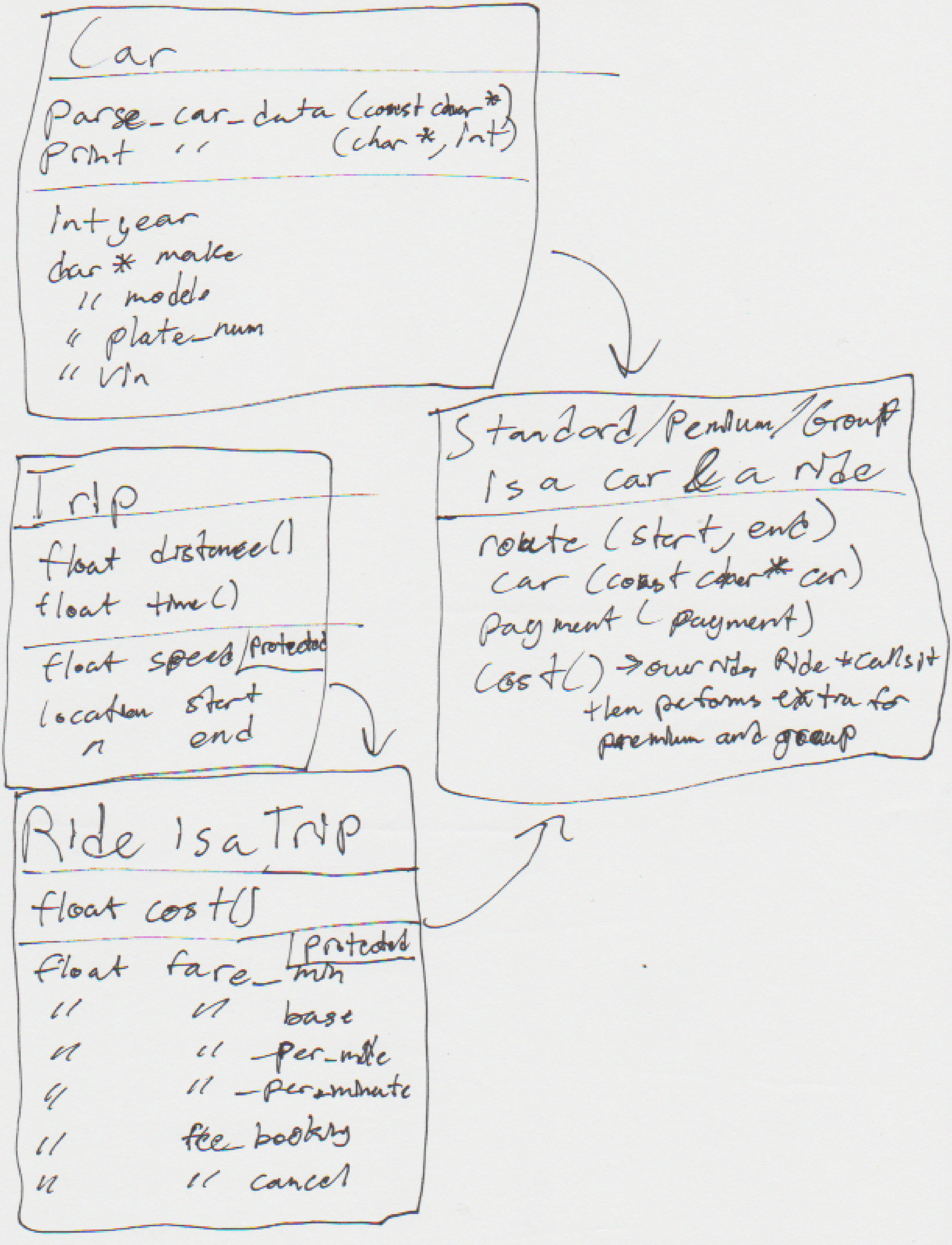
PaymentInfo is a Customer

int payout(int sum)

long long int cc_num Private
~~char*~~
short cvv
~~char*~~ char exp_month
~~short~~ char exp_day

never bigger than 99

no need to write methods
because no one is in a
"has a" relationship with



Car

parse_car_data (const char*)
print " (char*, int)

int year
char* make
" model
" plate_num
" vin

Trip

float distance()
float time()

float speed protected
location start
" end

Ride is a Trip

float cost()

protected
float fare_min
" " base
" " _per_mile
" " _per_minute
" fee_booking
" " cancel

Standard/Premium/Group
Is a car & a ride

route (start, end)
car (const char* car)
payment (payment)
cost() → overrides Ride + calls it then performs extra for premium and group