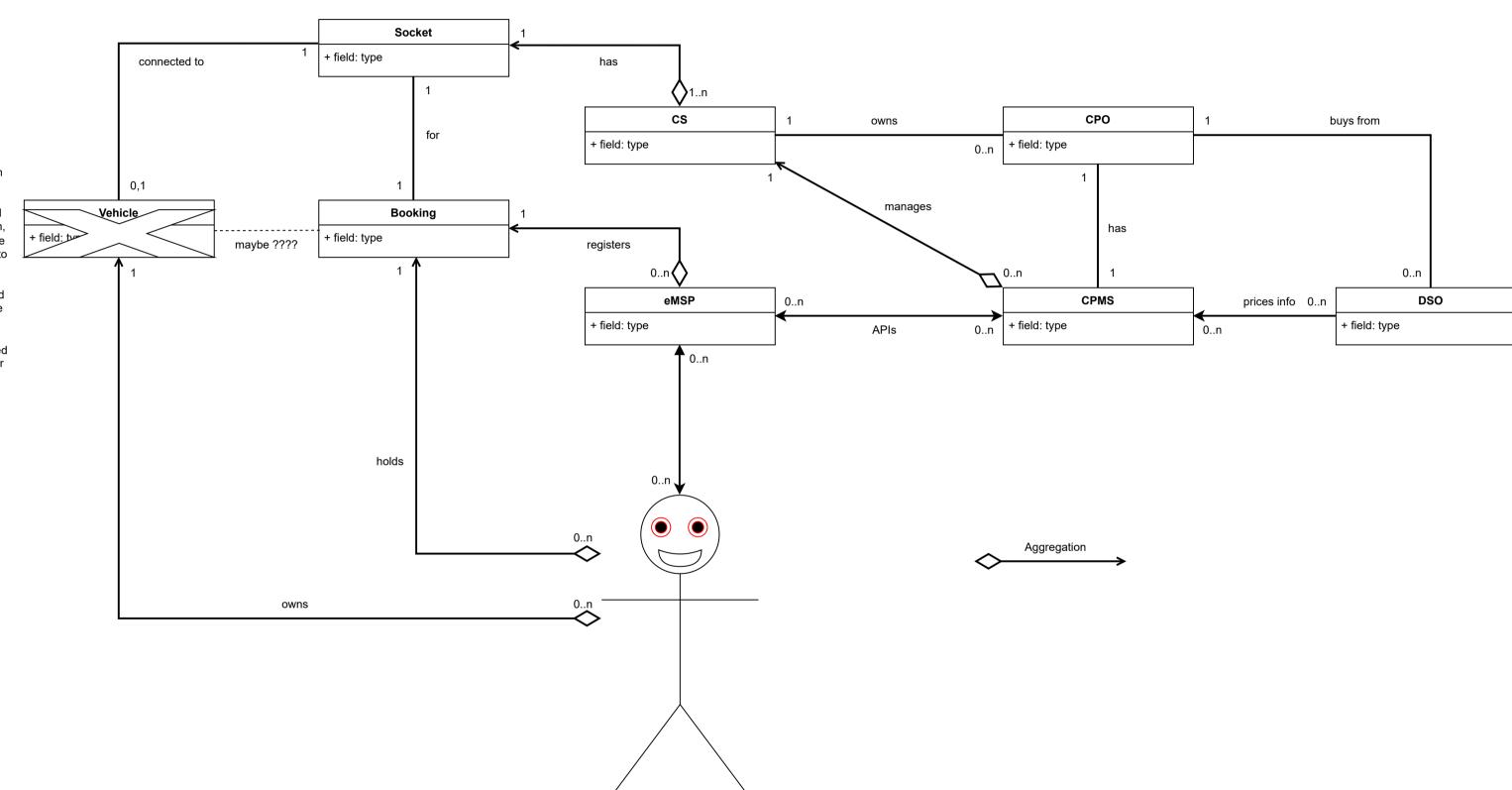Maybe **vehicle can be discarded all together**! The purpose of storing the vehicles a user has is to allow him to quickly book the correct charger without having to check every time.

However this data could be stored within user as a "default charger".

Associating a license to a booking could make it hard to "steal" bookings, but then, the start of the charge is controlled by the app, so stealing a booking is impossible to begin with.

The license plate could at most be stored within the user (as a preference) and the bookings for ensurance reasons.

Furthermore the state of charge is showed directly by the Socket, hence no need for vehicle!

Socket
+ field: type

CS
+ field: type

CPO
+ field: type

Vehicle
+ field: type

Booking
+ field: type

eMSP
+ field: type

CPMS
+ field: type

DSO
+ field: type

connected to

has

owns

buys from

for

manages

has

registers

maybe ????

APIs

prices info

holds

owns

Aggregation

User

1
1
1
1..n
1
owns
0..n
1
1
0,1
1
1
0..n
0..n
0..n
0..n
0..n
0..n
1
1
0..n
0..n