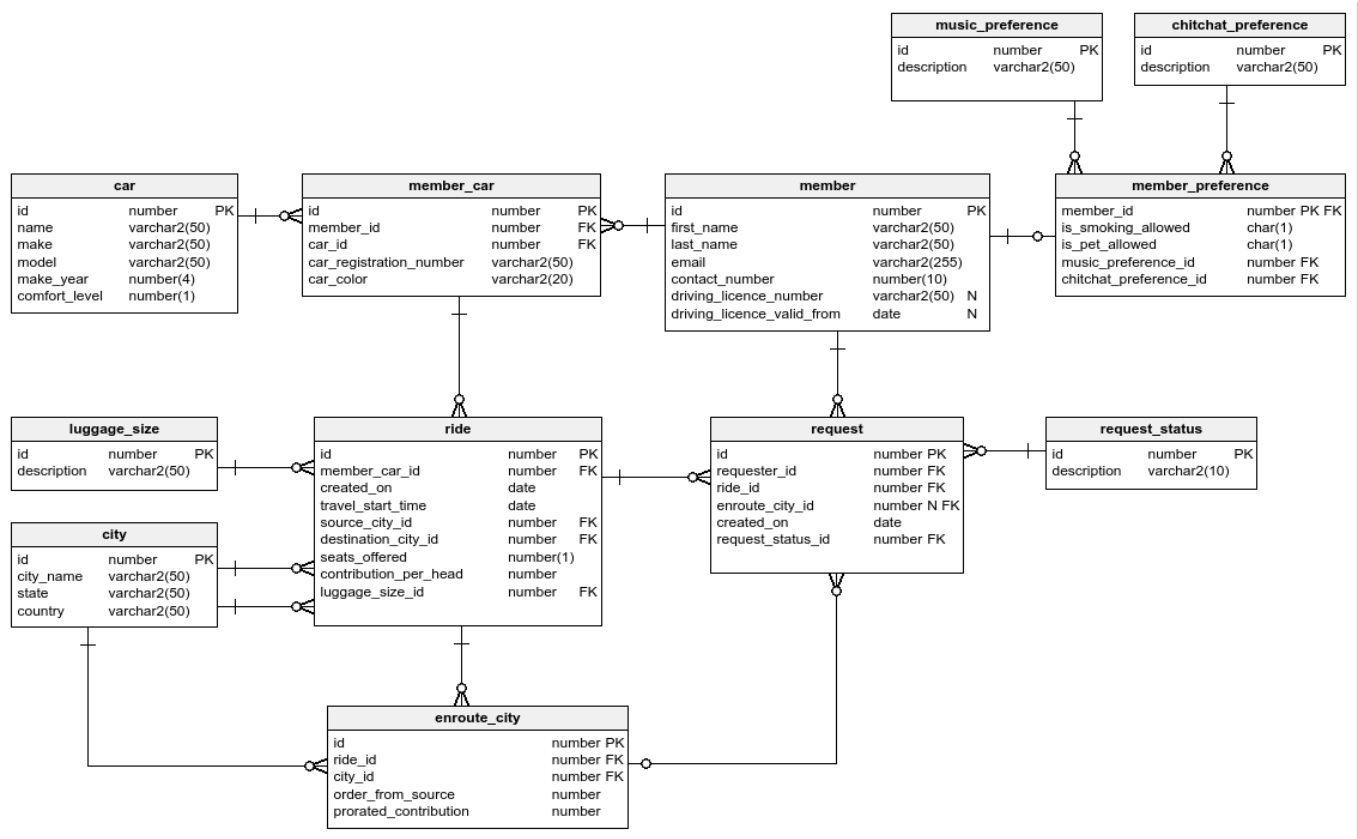
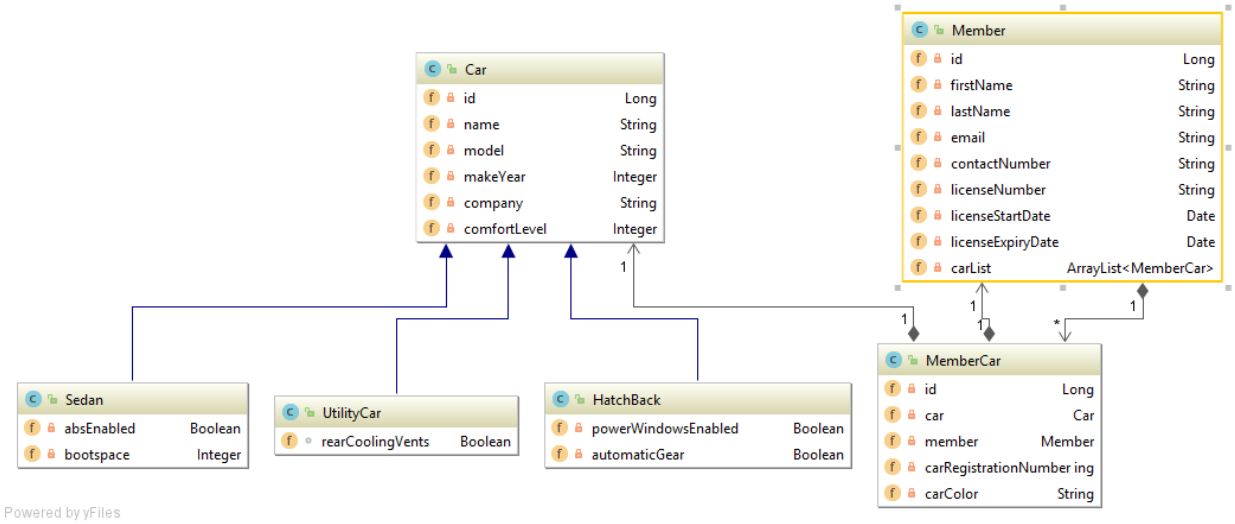
Car Pooling System - Requirement 1

You are a very active member of a Nature Club in your organization. In one of the meetings, it was discussed to build a car pooling system to help cut down the pollution. Being very active and tech savvy, you wish to contribute towards the development of system. One of the members being an architect has understood the requirement and would be sharing you with smaller requirements.

The complete data model designed by the architect is given below.



Since you are an object-oriented specialist and you want to build a part of the system initially, you choose to create the basic classes like cars, members their relationships and few small functionalities. The overall model that you will be implementing today is given below.



Requirement 1:

The users of the system are going to be general public who own cars. They are classified as members in our system.

1. Create a Member Class with the following attributes:

Member Field name	Type
id	Long
firstName	String
lastName	String
email	String
contactNumber	String
license Number	String
licenseStartDate	Date (java.util)
licenseExpiryDate	Date (java.util)

2. Mark all the attributes as private
3. Create / Generate appropriate Getters & Setters
4. Add a default constructor and a parameterized constructor to take in all attributes.
5. When the “member” object is printed, it should display the following details:
    - Member: firstname, lastname
    - Member contact details: contactNumber, email
6. Two members are considered same if they have same email and contactNumber. Implement the logic in the appropriate function. (Case – Insensitive)

The Input to your program would be details of two members, You need to display their details as given in "e" and use the function to compare the two members and display if the members are same or unique. Refer to Sample IO.

Sample Input and Output 1:

]All text in bold corresponds to input and the rest corresponds to output [.

Member1 :
id:
1
first name:
Arun
last name:
Kumar
email:
arun123@gmail.com
contact number:
9878767655
license number:
TN38QW1232343
license start date:
12-12-2010
license expiry date:
13-12-2020
Member2 :
id:
2
first name:
Mohamed
last name:
Safiq
email:
safiq1243@gmail.com

contact number:
9667826601
license number:
TN33VA1238743
license start date:
01-05-2013
license expiry date:
01-04-2125

Member 1
Name: Arun , Kumar
Member contact details: 9878767655 , arun123@gmail.com

Member 2
Name: Mohamed , Safiq
Member contact details: 9667826601 , safiq1243@gmail.com
Member 1 and Member 2 are different

Sample Input and Output 2:
[All text in bold corresponds to input and the rest corresponds to output.]

Member1 :
id:
1
first name:
Sam
last name:
Nath
email:
Sam123@gmail.com
contact number:
9456738498
license number:
TN45AS123456
license start date:
12-12-2010
license expiry date:
13-12-2021
Member2 :
id:
2

first name:
Swamy
last name:
Nathan
email:
Sam123@gmail.com
contact number:
9456738498
license number:
TN54DF321456
license start date:
01-05-2012
license expiry date:
01-05-2123

Member 1
Name: Sam , Nath
Member contact details: 9456738498 , Sam123@gmail.com

Member 2
Name: Swamy , Nathan
Member contact details: 9456738498 , Sam123@gmail.com
Member 1 is same as Member 2