

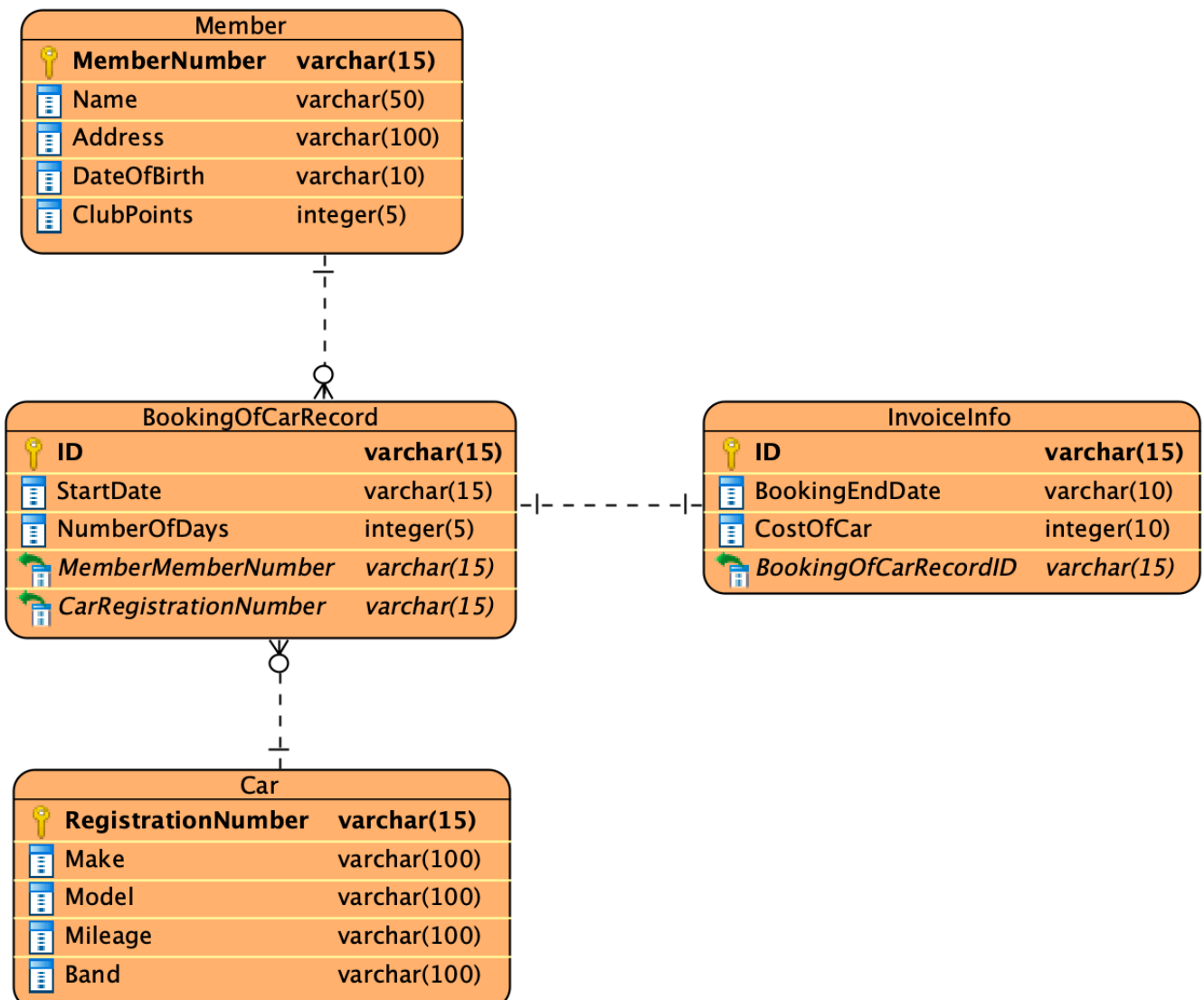
IN1010 Data Modeling Exercise 2 – Classic Car Club

In this exercise you have to decide what the entities (tables) are, which attributes should belong in which tables, and what the relationships should be.

A classic car club where members pay a fee to belong and can book out various classic cars for up to 5 days is developing a database to replace its existing paper-based records system. The customer's membership fee is translated into club points. The database needs to record **members** by their unique membership number, name, address, date of birth and club points. The system needs to **record bookings of cars** with a unique booking id, a start date and a number of days. The cars available to members need to be put in the database. Each **car** has a registration number, make, model, mileage and band. When a booking is complete the system should store the **invoice information** which should show the end date of the booking and the cost of the car in club points.

Develop data model in Visual Paradigm to represent the above scenario.

Hint: The relationship between two of the tables is one we haven't used before, but it is on the Visual Paradigm relationship menu.



Member

Membership no. (primary key)
Name
Address
Date_of_birth
Club points

Booking of car record

Booking ID (primary key)
Start date
No. Of days
Membership no. (foreign key)
Car Reg no. (foreign key)

Car

Reg no. (primary key)
Make
Model
Mileage
Band

Invoice info

Invoice info ID (primary key)
End date of booking
Cost of car (in club points)
Booking ID (foreign key)