

## 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.

