IN1010 Data Modelling 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**.

- **One to many:**
  - **Members – Booking**
  - **Cars – Booking**
- **One to one:**
  - **Booking = invoices**

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.