

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.

Red – entity

Green – attribute

