Task 2. Some large cities (e.g. Dublin, Cork) would like to start a car-sharing project to reduce the number of cars in the city and also reduce the cost of having a car available when needed for each individual. One car is partially owned by several people. The number of owners per car may vary. Also, each person can own a different percentage of the car, depending on how often he/she uses the car. Each person might own part of more than one car.

However, only one person can use the car at any particular day. A database model is needed to keep track of reservations made for the car.

Using ERWin design and draw a crows feet ER diagram to keep track of each car and the reservation of the car. Specify key attributes of each entity type and structural constraints on each relationship type. It should show clearly the mandatory and optional participation between the entities. Note any unspecified requirements, and make appropriate assumptions to make the specification complete.

Car:

Person:

Reservation:

