

Steps for building the conceptual model

Identification of the entity type

- cars
- car-owner
- car-driver
- insurance
- Accident
- person

Identification of Relationship types

- car-owner **pays money for** insurance(multiplicity:1 ;0..*)
- car-owner **owns a** car.(multiplicity:1; 1..*)
- car-driver **drives a** car(multiplicity:1..*; 1..*)
- car-driver and **car involved in an** accident(multiplicity:1;1..*;0..*)
- A car driver **IS A** person
- A car owner **IS A** person

Identification and association of Attributes with entities and/or relationships

- Car
 - Car-ID
 - Color
 - Category
 - Description
 - Model
- car-owner
 - owner-ID
 - date
- driver-ID
 - License-number.
 - License-category.
- Insurance
 - Insurance-ID
 - Insurance-number
 - Issue-date
 - Expiry-date
 - Amount-paid
 - Insurance-type
 - insurance-description
- Person
 - Name(fName,mName,lName)
 - Age
 - Address(house-number,street-name,zone-information(city,state,Zip-code))
 - contact(email,phone)
- Accident
 - Report-number
 - Location(country,region,area-description)
 - date
 - damage-level

- involved in an.
 - Amount-payable
- pays money for
 - Amount-paid.