

Assignment Assumptions:

The following are my in detailed explanations and assumptions for the various relationships in the assignment:

- **VEHICLE - MANUFACTURER :**
 - Vehicle is manufactured by a manufacturer.
 - Every type of vehicle should have one manufacturer.
 - **Assumption:** Every type of vehicle is manufactured by only one manufacturer.
- **VEHICLE – DRIVER:**
 - Vehicle is owned by a driver.
 - **Assumption:**
 - Every vehicle is owned by a driver. There is no vehicle without a owner i.e driver.
 - Every vehicle is owned by only one owner.
- **VEHICLE – OFFENCE:**
 - Vehicle is involved in an offence.
 - **Assumption:**
 - A given vehicle need not be involved in any offence.
 - Also, it can be involved in many offences.
- **DRIVER – SUSPENSION:**
 - Driver's license may be suspended.
 - **Assumption:**
 - A driver's license need not have any suspension i.e 0 suspensions. This is when a driver has not committed any offense or his demerit points total has always been lesser than 12. Hence, a driver can have zero or many suspensions.
- **DRIVER – OFFENCE:**
 - A driver commits an offence.
 - **Assumption:**
 - A driver need not commit any offence. Thus, a driver can commit either zero or many offense.
- **OFFENCE – DEMERIT:**
 - A particular offence is associated with one and only one demerit.
 - A Demerit is associated with one or many offences.
- **OFFENCE – POLICE OFFICER:**
 - An offence is issued by a police officer.
 - **Assumption:**

Assignment Assumptions:

- A particular offence is issued by one and only one police officer.
- One police officer can issue one or many offences.
- **POLICE OFFICER – POLICE STATION:**
 - There are two relations between them.
 - A police officer at a given time, belongs to one and only one police station.
 - **Assumption:**
 - Not every police officer is in charge of a police station. So a police officer may belong to a police station and not be in charge of the station.