

# Assumptions

Hongliang Tang 27135519

1. **All vehicles have a single driver sit**, we are not allowing driverless vehicles on our roads.
2. **Every Vehicle are produced by a particular manufacturer (must and only 1)**, we don't consider two or more manufacturer collaborate and produce the same vehicle.
3. There are new manufacturers registered in the local state, but they haven't started to produce vehicles (**manufacturer can produce minimum 0 vehicle**).
4. **the demerit can relate to minimum 0 offence.**  
We have new demerit rule set up (eg. You cannot bring dog to the front sit while driving), and we currently don't have a corresponding offence record for this new demerit (the first offence case for this new demerit hasn't happened yet.).
5. According to the client **"Only one police officer can fill in and sign the offence notice."**
6. As communicated by the client, *"every time a driver is suspended the details must be stored. We need to be able to access past suspensions to see what issues the driver may have had."* **So, a driver can have many suspension records and we need store the history of the suspensions incurred by the driver (we need to see suspension details along with a driver's license number.)**
7. As pointed by the client **"we don't want to record the history of officers in charge of a station**, we only need for contact purposes, the officer currently in charge of the station" and **"we want a history of assignments (which officers are assigned to which station and when)"**.