CASE STUDY 2: VEHICLE REGISTRATION

TYPE DEFINITIONS:

type **manufacturer**	**= company name, address, town, country, founding_date, permit, ...**
type **disc.manufacturer**	**= [manufacturer], disc_date, reason, ...**
type **dealer**	**= name, address, town, ...**
type **disc.dealer**	**= [dealer], disc_date, reason, trustee, ...**
type **person**	**= name, address, town, ...**
type **model**	**= name, manufacturer, fuel_consumption, ...**
type **vehicle**	**= model, serial_number, registration number, production_year, ...**
type **scrapped vehicle**	**= [vehicle], scrapping_date, ...**
type **transfer**	**= previous_transfer, vehicle, date, type**
type **dealer transfer**	**= [transfer], dealer**
type **person transfer**	**= [transfer], person**
type **member**	**= person transfer, person**
type **fuel consumption**	**= year, consumption.**

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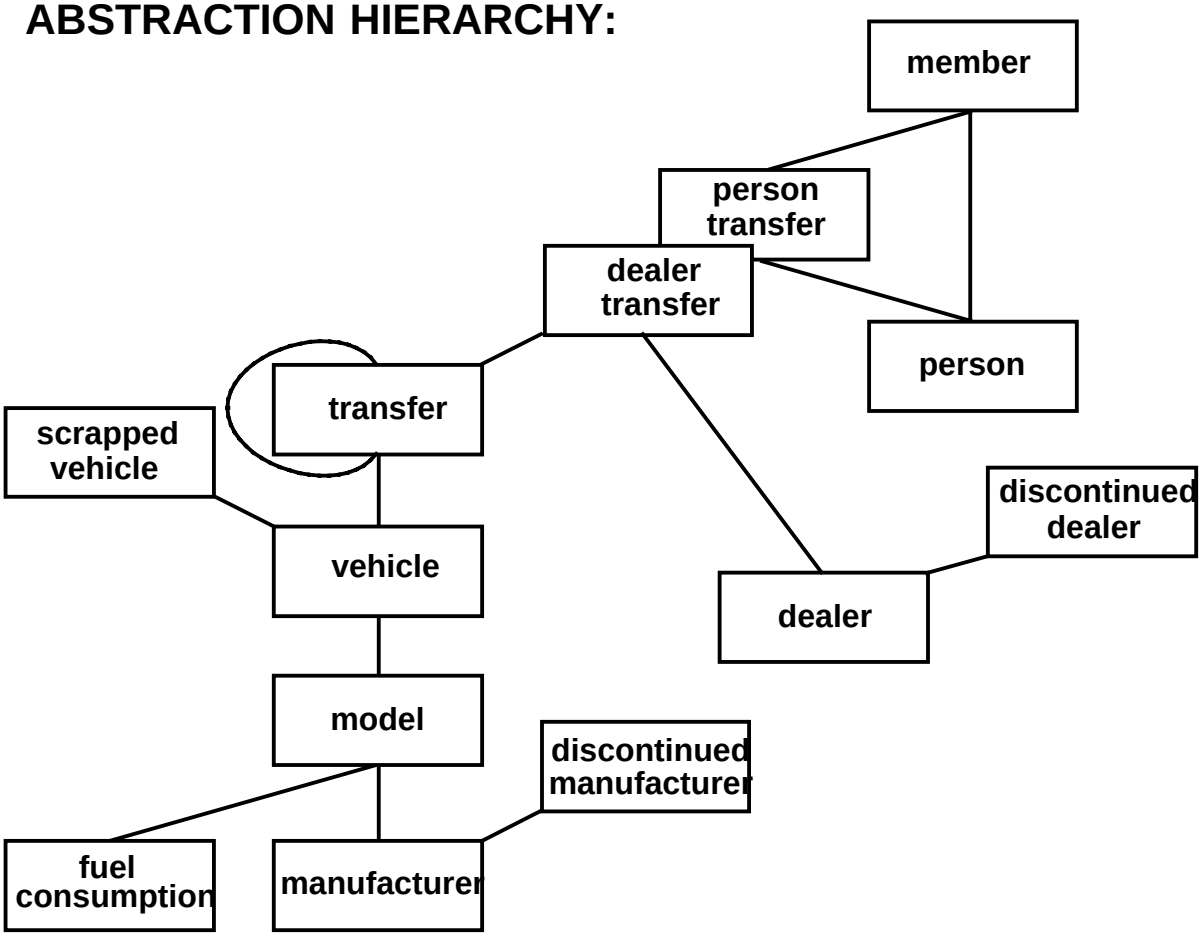
ABSTRACTION HIERARCHY:



EXERCISES:

1 Assume that up to five manufacturers are allowed at any moment. Apply this constraint by using a static specification.

4 Provide the commands determining manufacturers failing to conform to fuel consumption requirements.

5 Provide the commands identifying dealers purchasing vehicles from more than three manufacturers.