

Step 1 Classes of objects

A network of *vehicle repair facilities* has the locations distributed all over a country. A vehicle repair facility is located at a unique address and has a unique name.

A facility employs a number of *mechanics* and *administration staff members*. An *employee* is described by an employee number, which is unique at a facility, first name, last name, phone number and optional email address. A group of *senior mechanics* has their *certification documents* recorded. All mechanics are additionally described by a driver license number and type of a license owned.

Vehicles are repaired at the facilities. A facility repairs *passenger cars*, *trucks*, *small delivery vans* and *buses*. A *repair process* is described by a start date/time, end date/time, mechanics involved and the names of spare parts used. At the end of repair process a report that describes the repair process is created. A repair process consists of ordered *steps* and short description of actions performed at each step.

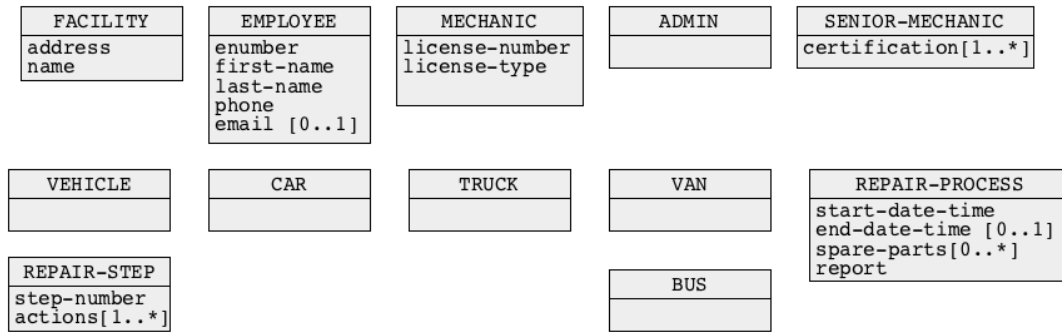
FACILITY	EMPLOYEE	MECHANIC	ADMIN	SENIOR-MECHANIC
VEHICLE	CAR	TRUCK	VAN	REPAIR-PROCESS
			BUS	REPAIR-STEP

Step 2 Attributes

A network of vehicle repair facilities has the locations distributed all over a country. A vehicle repair facility is located at a *unique address* and has a *unique name*.

A facility employs a number of mechanics and administration staff members. An employee is described by an *employee number*, which is unique at a facility, *first name*, *last name*, *phone number* and optional *email address*. A group of senior mechanics has their *certification documents* recorded. All mechanics are additionally described by a *driver license number* and *type of a license* owned.

Vehicles are repaired at the facilities. A facility repairs passenger cars, trucks, small delivery vans and buses. A repair process is described by a *start date/time*, *end date/time*, mechanics involved and *the names of spare parts* used. At the end of repair process a *report* that describes the repair process is created. A repair process consists of *ordered steps* and *short description of actions* performed at each step.

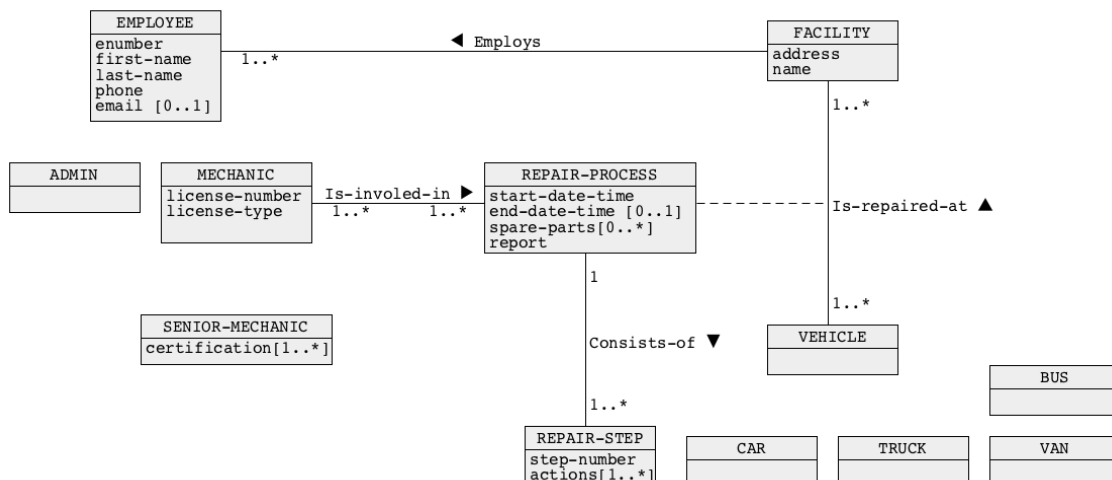


Step 3 Associations, link attributes, association classes

A network of vehicle repair facilities has the locations distributed all over a country. A vehicle repair facility is located at a unique address and has a unique name.

A facility *employs* a number of mechanics and administration staff members. An employee is described by an employee number, which is unique at a facility, first name, last name, phone number and optional email address. A group of senior mechanics has their certification documents recorded. All mechanics are additionally described by a driver license number and type of a license owned.

Vehicles are *repaired at* the facilities. A facility *repairs* passenger cars, trucks, small delivery vans and buses. A repair process is described by a start date/time, end date/time, mechanics *involved* and the names of spare parts used. At the end of repair process a report that describes the repair process is created. A repair process *consists of* ordered steps and short description of actions performed at each step.

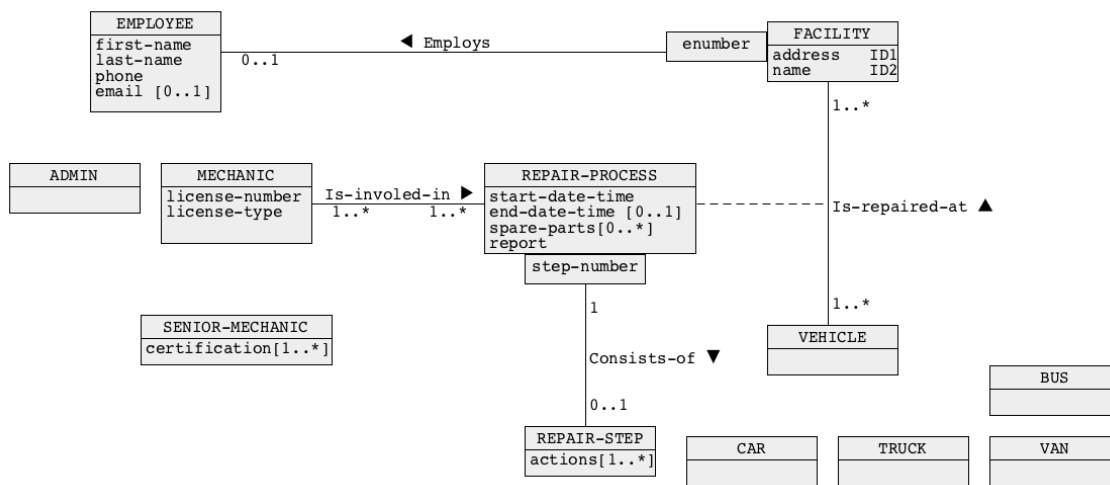


Step 4 Identifiers and qualifications

A network of vehicle repair facilities has the locations distributed all over a country. A vehicle repair facility is located at a *unique address* and has a *unique name*.

A facility employs a number of mechanics and administration staff members. An employee is described by an employee number, *which is unique at a facility*, first name, last name, phone number and optional email address. A group of senior mechanics has their certification documents recorded. All mechanics are additionally described by a driver license number and type of a license owned.

Vehicles are repaired at the facilities. A facility repairs passenger cars, trucks, small delivery vans and buses. A repair process is described by a start date/time, end date/time, mechanics involved and the names of spare parts used. At the end of repair process a report that describes the repair process is created. A repair process consists of *ordered steps* and short description of actions performed at each step.



Step 5 Generalizations

A network of vehicle repair facilities has the locations distributed all over a country. A vehicle repair facility is located at a unique address and has a unique name.

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Vehicles are repaired at the facilities. A facility repairs *passenger cars*, *trucks*, *small delivery vans* and *buses*. A repair process is described by a start date/time, end date/time, mechanics involved and the names of spare parts used. At the end of repair process a report that describes the repair process is created. A repair process consists of ordered steps and short description of actions performed at each step.

