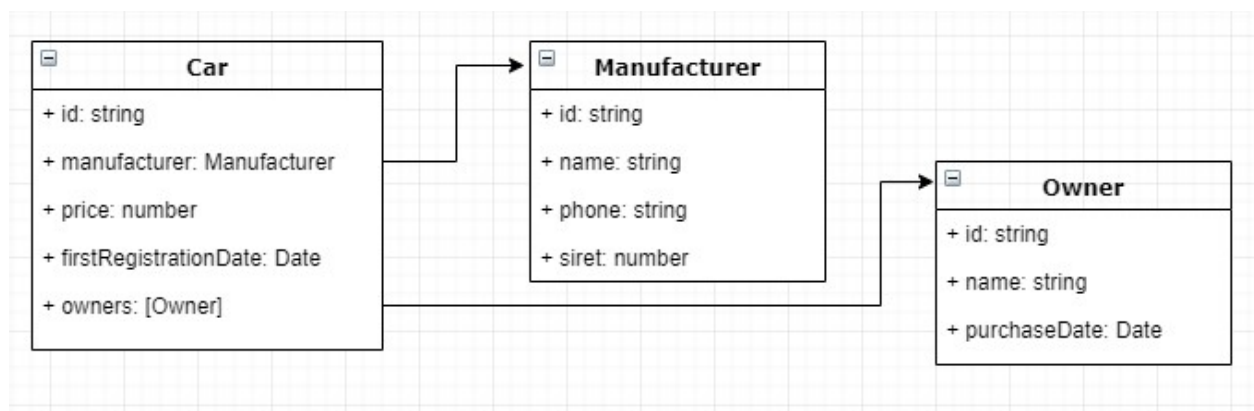# Coding test

NodeJs/Typescript

Exercice:

This coding exercise consists in implementing a little backend micro-service which aims to serve the cars data.

This component will expose a REST api providing CRUD operations to fetch one or several cars, create, update and delete a car. Though this api, it will also be possible:

-    Fetch only the manufacturer data for a given car (without any manufacturers dedicated APIs – i.e. only by using the car API)
-    To trigger a process which will automatically remove the owners who bought their cars before the last 18 months and apply a discount of 20% to all cars having a date of first registration between 12 and 18 months.

The car data model will be kept relatively simple:

The application has to be configured to run in a Docker container. Moreover, the expected (and mandatory) programming paradigm to respect is the OOP (oriented-object programming).

The language to use will be Typescript and the framework Nestjs (https://nestjs.com/).

Code source will be delivered though a personal github account or sent by mail (by attaching the archive).