Ex03 - Classes and Class Diagram

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# Enums:

* CarColor – predefined car colors
* FuelType – various fuel types
* LicenseType – what license is required for the motorcycle
* NumOfDoors – represents number of doors in a vehicle
* TypeOfEnergy – either Fuel or Electricity
* VehicleStatus – the status of the car in the garage, starting from InRepair, and up to Paid
* VehicleType – predefined types of vehicles, such as Truck, Electric Motorcycle, Fuel Motorcycle, Electric Car, Fuel Car

# Classes:

* Vehicle – represents any vehicle with any type of engine
* Car
* Motorcycle
* Truck
* Tire
* GenericEnergySystem – represents any energy system
* FuelSystem – concrete fuel system that works on specific fuel type
* ElectricSystem – an electric system

# Class diagram:

