ElectricMotorcycle

FuelMotorcycle

ElectricCar

FuelCar

Car

Truck

Motorcycle

tier

ElectricType

FuelType

Vehicle

**Vehicle**:   
vars:

* m\_modelName – string -real only
* m\_licensePlate – string -real only
* m\_currentEnergyPercent – float
* m\_listOfTires- list <tire>
* m\_ownerName – string
* m\_ownerPhone – string
* m\_vehicleStatus – enum

**tire:**

**vars:**

* m\_ manufacturerName – string
* m\_currentTirePresure – flaot
* m\_maxTirePresure – float

+ tireInflating(float i\_tirePresure)

**FuelType:**

* m\_fuelType – enaum
* m\_maxLiterInTank – float
* m\_currentLiterInTank – float

+ addFuel(float i\_fuelNumber)

**ElectricType:**

* m\_maxBatteryTime – float
* m\_currentBatteryTime – float

+ chargingBattery (flaot batteryTime)

**Car:**

* m\_carColor – enum
* m\_numberOfDoors – enum

**Motorcycle:**

* m\_licenceType – enum
* m\_EngineVolume - int

**Truck:**

* m\_isCargohazardousMaterial
* m\_ cargoVolume

**Enums:**

eVehicleStatus

* InRepair,
* Fixed,
* Paid

eFuelType

* Octan95,
* Octan96,
* Octan98,
* Soler

eCarColor

* Yellow,
* Black,
* White,
* Silver

eNumberOfDoors

* Two = 2,
* Three = 3,
* Four = 4,
* Five = 5

eLicenseType

* A,
* A2,
* AB,
* B2