**VehicleCreator**

- List<string> sr\_VehicleTypeDesc

+ CreateVehicle()

+ Parse()

+ CreateMotorcycle()

+Create ElectricalMotorcycle()

+ Create Car()

+ Create ElectricalCar()

+ CreateTruck()

**Feature** (abstract)

- string m\_Description

- string m\_PossibleValues

+ abstract SetValue()

+ ToString()

**ColorFeature**

- eColor m\_Color

+ SetValue()

**DoorsNumberFeature**

- eDoorsNumber m\_DoorsNumber

+ SetValue()

**MaxCarryWeightFeature**

- float m\_MaxCarryWeight

+ SetValue()

**GarageUI**

- GarageSystemManager m\_GarageSystem

- bool m\_KeepRunning

+ StartGarageManagementProgram ()

**ConsoleUtilities**

+ PromptMessage()

+ AskUserBooleanQuestion()

+ GetInputString()

+ GetPosNumFromUser()

+ ShowBadInputMessage()

**LicenseTypeFeature**

- eLicenseType m\_LicenseType

+ SetValue()

**EngineCapacityFeature**

- int m\_EngineCapacity

+ SetValue()

**DangerousComponentsCarryFeature**

- bool m\_ContainsDangeroudComponents

+ SetValue()

**VehicleInfo**

- eVehicleType m\_VehicleType

- string m\_ModelName

- EnergySource m\_EnergySource

- List<Tire> m\_TiresList

- List<Feature> m\_FeaturesList

+ FillTiresToMax()

**Tire**

- string m\_ManufacturerName

- float m\_CurrAirPressure

- float m\_MaxAirPressure

+ FillAirToMax()

**OwnerInfo**

- string m\_Name

- string m\_PhoneNumber

**FuelEnergySource**

- float m\_BatteryHoursLeft

- m\_MaxBatteryHours

+ FillBatteryData ()

+ UpdateEnergyPercentageLeft()

+ FillBattery ()

**FuelEnergySource**

- eFuelType m\_FuelType

- float m\_CurrFuelLitersAmount

- float m\_MaxFuelLitersAmount

+ FillFuelAmountData()

+ UpdateEnergyPercentageLeft()

+ FillFuelTank()

**EnergySource** (abstract)

- float m\_EnergyPercentageLeft

+ abstract UpdateEnergyPercentageLeft()

**GarageSystemManager**

- Dictionary<string, VehicleListing> r\_VehiclesListings

- VehicleCreator sr\_VehicleCreator

+ GetRegistrationNumbersList()

+ ChangeVehicleState()

+ AddVehicleToDataBase()

+ FillTiresOfAVehicleToMax()

+ FillFuelTankOfAVehicle()

+ ChargeElectricalVehicle

**VehicleListing**

- OwnerInfo m\_OwnerInfo

- VehicleInfo m\_VehicleInfo

- eVehicleStatus m\_VehicleStatus