Scope: Availability Management System for a Garage

garageSystem

Garage

- name: String
- maxCapacity: int
- priceByWheelChange: double
- totalVehicles: int
- vehicles: Vehicle[]

+ garage(maxCapacity: priceByWheelChange: double)
+ getName(): String
+ getTotalVehicles(): int
+ getMaxCapacity(): int
+ getPriceByWheelChange(): double
+ getPriceForChangeWheelsOfAllVehicles(): double
+ getAverageMileageOfAllVehicles(): double
+ getVehicles(): Vehicle[]
+ getVehicle(id: int): Vehicle
+ addVehicle(vehicle: Vehicle): void
+ removeVehicle(id: int): void
+ setName(String name): void
+ toString(): String

GarageTest

+ main():

vehicle

Vehicle

id: int
owner: String
brand: String
mileage: double
wheels: int
year: int
capacity: int

+ vehicle(owner: String, brand: String, double mileage)
+ getId(): int
+ getOwner(): String
+ getBrand(): String
+ getMileage(): double
+ getWheels(): int
getYear(): int
+ getCapacity(): int
+ setWheels(int wheels): void
+ setYear(int year): void
+ setCapacity(int capacity): void
+ toString(): String

Car

- doors: int

+ Car(owner: String, String brand, double mileage, int doors)
+ getDoors(): int
+ toString(): String

Motorcycle

- displacement: int

+ Motorcycle(owner: String, String brand, double mileage, int displacement)
+ getDisplacement(): int
+ toString(): String