VehicleAbs

- vinNumber: String
- type: enum
- make: String
- model: String
- weigth: double
- year: int
- rentalPricePerDay: double
- numberOfSeats: int
- numberOfDoors: int
- horsePower: int
- transmissionType: enum
- isRented: boolean (def = false)
- securityDeposit: double
- availableVehicles: ArrayList<VehicleAbs>
- currentlyRentedVehicles: ArrayList<VehicleAbs>
- VehicleAbs()
- VehicleAbs(vinNumber, type, make, model, weight, year, rentalPricePerDay, numberOfSeats, numberOfDoors, horsePower, transmissionType)
- rentVehicle() -> void
- calculateRentalCost() -> String
- confirmRental() -> boolean
- returnVehicle() -> void
- updateVehicleBase() -> void
- findVehicleByVin() -> VehicleAbs
- findAvailableVehicleByVin() -> VehicleAbs
- getAllVehicles() -> ArrayList<VehicleAbs>
- getAllAvailableVehicles() -> ArrayList<VehicleAbs>
- getVinNumber()
- setVinNumber()
- getType()
- setType()
- getMake()
- setMake()
- getModel()
- setModel() getWeight()
- setWeight() getYear()
- setYear()
- getRentalPricePerDay()
- setRentalPricePerDay()
- getNumberOfSeats()
- setNumberOfSeats() getNumberOfDoors()
- setNumberOfDoors()
- getHorsePower()
- setHorsePower() getTransmissionType()
- setTransmissionType()
- isRented()
- setRented()
- getSecurityDeposit()
- setSecurityDeposit()
- addToAvailableVehicles() getAvailableVehicles()
- addToCurrentlyRentedVehicles()
- getCurrentlyRentedVehicles()
- toString()

Program Methods

- chooseWorkingType() -> void
- qetAdminInstruction() -> void
- getCustomerInstruction() -> void
- fillAvailableCars() -> void
- chooseVehicleType() -> void
- getVehicleFromUserArray() -> VehicleAbs

ElectricVehicle CombustionVehicle

- fuelCapacity: double
- currentFuelLevel: double
- fuelEfficiency: double
- CombustionVehicle()
- CombustionVehicle(vinNumber, type, make, model, weight, year, rentalPricePerDay, numberOfSeats, numberOfDoors, horsePower, transmissionType, fuelCapacity, currentFuelLevel, fuelEfficiency)
- createCombustionVehicle() -> void
- updateCombustionPart() -> void getFuelCapacity()
- setFuelCapacity()
- getCurrentFuelLevel()
- setCurrentFuelLevel() getFuelEfficiency()
- setFuelEfficiency()
- toString()

- batterylCapacity: double
- currentBatterylLevel: int
- electricRange: int
- ElectricVehicle()
- ElectricVehicle(vinNumber, type, make, model, weight, year, rentalPricePerDay, numberOfSeats, numberOfDoors, horsePower, transmissionType, batteryCapacity, currentBatteryLevel, electricRange)
- createElectricVehicle() -> void
- updateElectric/part() -> void
- getBatteryCapacity()
- setBatteryCapacity()
- getCurrentBatteryLevel()
- setCurrentBatteryLevel() getElectricRange()
- setElectricRange()
- toString()

HybridVehicle

- fuelCapacity: double
- currentFuelLevel: double • fuelEfficiency: double
- batterylCapacity: double
- currentBatterylLevel: int
- electricRange: int
- HybridVehicle()
- HybridVehicle(vinNumber, type, make, model, weight, year, rentalPricePerDay, numberOfSeats, numberOfDoors, horsePower, transmissionType, fuelCapacity, currentFuelLevel, fuelEfficiency, batteryCapacity, currentBatteryLevel, electricRange)
- createHybridVehicle() -> void
- updateHybridPart() -> void
- getFuelCapacity()
- setFuelCapacity()
- getCurrentFuelLevel() setCurrentFuelLevel()
- getFuelEfficiency()
- setFuelEfficiency()
- getBatteryCapacity()
- setBatteryCapacity() getCurrentBatteryLevel()
- setCurrentBatteryLevel()
- getElectricRange() setElectricRange()
- toString()