Classes:

Customer :
- ID: string
- firstName:string
- lastName:string
- phoneNumber:string
- gender:enum
- dateOfBirth:string
- Vehicle: Vehicle
- salesperson: Salesperson

+displayDetails():string
+ setSalesperson(salesperson: Salesperson):
+ getSalesperson(): Salesperson

Employee
- ID: int
- firstName:string
- lastName:string
- phoneNumber:string
- gender:enum
- dateOfBirth:string
- department: string
- jobTitle: string
- basicSalary: float

+ displayDetails(): None
+ displaySalesDetails(): None
+displayName():None
+addVehicle(vehicle:Vehicle):
+removeVehicle(VIN:string):

Manager(Employee) :
- salespersons: List[Salesperson]

+ addSalesperson(salesperson: Salesperson): None
+ removeSalesperson(salesperson: Salesperson): None
+addVehicle(vehicle:Vehicle):
+removeVehicle(VIN:string):

Salesperson(Employee) :
- manager: Manager
- sales: List [vehiclesSale]
- customers: List[Customer]
+addSales(vehicleSale: VehicleSale)
+calculateCommission():float
+calculateSalary():float
+ addCustomer(customer: Customer): None
+ removeCustomer(ID: int): None

Vehicle :
- VIN: string
- name: string
- price: float
- type:string
- maxSpeed:float
- numOfDoors:int
- numOfWheels:int
- color:enum
+displayVehicleDtails():none

ElectronicCar(Vehicle)
- batteryCapacity:float
- MaxDistanceSingleCharge:float
- chargingTime:float

FuelCar(Vehicle)
- fuelType:string
- fuelCapacity:float

VehicleSale
- saleperson:Saleperson
- vechicle:Vehicle
- customer:Customer
- salePrice:float
+calculatePrice():none

- Manager and salesperson are subclasses that inherit attributes from the employee (parent) class.
- ElectronicCar and FuelCare are subclasses that inherit attributes from the Vehicle class(parent)class.
Multiplicity :

- A manager has a one-to-many association with salesperson(One manager can manage multiple
- The salesperson has a one-to-many association with VehicleSale(one salesperson can make multiple vehicle sales)
- A VehicleSale has a one-to-one association with Vehicle, as each vehicle sale consists of one vehicle.
- A VehicleSale has a one-to-one association with the Customer, as each vehicle sale is made to one customer.
- A VehicleSale has a one-to-one association with Salesperson (one salesperson makes each vehicle sale)