

Employee

-employeeName: String
-age: Integer
-gender: ENUM
-dateOfBirth: String
-passportNumber: String
-employeeIDNumber: String
-department: ENUM
-jobTitle: ENUM
-basicSalary: Float

+setEmployeeName(employeeName: String)
+ getEmployeeName():String

+ setAge(age: Integer)
+ getAge():Integer

+ setGender(gender: ENUM)
+ getGender():ENUM

+ setDateOfBirth(dateOfBirth: String)
+ getDateOfBirth():String

+ setPassportNumber(passportNumber: String)
+ getPassportNumber():String

+ setEmployeeIdNumber(employeeIDNumber: String)
+ getEmployeeIdNumber():String

+setDepartment(department: ENUM)
+ getDepartment():ENUM

+ setJobTitle(jobTitle: ENUM)
+ getJobTitle():ENUM

+ setBasicSalary(basicSalary: Float)
+ getBasicSalary():Float

+displayInfo()

Salesperson
-manager: Manager -sales: List
+ setManager(manager: Manager) + getManager():Manager + setSales(sales: List) + getSales():List +displayInfo() + calculate_salary(car, salePrice)

Manager
-salespersons: List -company: Company
+ setSalespersons(salespersons: List) + getSalespersons():List + setCompany(company: Company) + getCompany():Company +displayInfo()

Company
-companyName: String -employees: List -cars: List -sales: List - revenue: Float
+ setCompanyName companyName: String) + getCompanyName():String + setEmployees (employees: List) + getEmployees():List + setCars(cars: List) + getCars():List + setSales (sales: List) + getSales():List + setRevenue(revenue: Float) + getRevenue():Float +displayInfo() +getEmployeeDetails(employeeIDNumber) +getCarDetails(carIDNumber) +displaySalesDetails(employeeIDNumber) +save_data() +load_data()

Customer
<ul style="list-style-type: none">-firstName: String-lastName: String-customerIdNumber: String-gender: ENUM-phoneNumber: String
<ul style="list-style-type: none">+ setFirstName(firstName: String)+ getFirstName():String+ setLastName(lastName: String)+ getLastName():String+ setCustomerIdNumber(customerIdNumber: String)+ getCustomerIdNumber():String+ setGender(gender: ENUM)+ getGender():ENUM+ setPhoneNumber(phoneNumber: String)+ getPhoneNumber():String+displayInfo()

Car
-carName: String -carIdNumber: String -price: Float - carType: ENUM -fuelCapacity: Float -year: Integer -maxSpeed: Float - color: ENUM
+ setCarName(carName: String) + getCarName():String + setCarIdNumber(carIdNumber: String) + getCarIdNumber():String + setPrice(price: Float) + getPrice():Float + setCarType(carType: ENUM) + getCarType():ENUM + setFuelCapacity(fuelCapacity: Float) + getFuelCapacity():Float + setYear(year: Integer) + getYear():Integer + setMaxSpeed(maxSpeed: Float) + getMaxSpeed():Float + setColor(color: ENUM) + getColor():ENUM +displayInfo()

Sales
-salesperson: Salesperson -car: String -salePrice: Float - customer: Customer - salespersonAmount: Float
+ setSalesPerson(salesperson: Salesperson) + getSalesPerson():Salesperson + setCar(car: String) + getCar():String + setSalePrice(salePrice: Float) + getSalePrice():Float + setCustomer(customer: Customer) + setCustomer():Customer + setSalespersonAmount(salespersonAmount: Float) + getSalespersonAmount():Float +displayInfo()





