DataBaseActions

searchCustID(Arraylist<Customer>):int
searchCustomer(Arraylist<Customer>):void
removeVehicletoDB(Arraylist<Customer>);void
searchvehicle(Arraylist<Vehicle>):void
addVehicleToDB(Arraylist<Vehicle>);void
modifyVehicleFromDB(Arraylist<Vehicle>):void
printVehicleReport(ArrayList<Vehicle>):void
addCustToDB(ArrayList<Customer>):void
removeCustFromDB(ArrayList<Customer>);void
modifyCustFromDB(ArrayList<Customer>):void
printCustReport(ArrayList<Customer>):void
initiateDB(ArrayList<Customer>,Arraylist<Vehicle>,Arraylist<Employee>,Arraylist<Payment>):void
searchEmployee(Arraylist<Employee>):int
addEmployeeToDB(Arraylist<Employee>):void
removeEmployeeToDB(Arraylisty<Employee>):void
modifyEmployeeFromDB(Arraylist<Employee>):void
printEmployeeReport(Arraylist<Employee>):void
searchPayments(Arraylist<Customer>,Arraylist<Payment>):int
createPayment(Arraylist<Customer>,Arraylist<Vehicle>,Arraylist<Payment>):void
modifyPayments(Arraylist<Customer>,Arraylist<Vehicle>,Arraylist<Payments>);void
printPayments(Arraylist<Payment>);void

Main

ArrayList<Customer>
ArrayList<Vehicle>
ArrayList<Employee>
ArrayList<Payment>
action:DataBaseActions

vehicleMenu(Arraylist<Vehicle> vehicles):void
customerMenu(Arraylist<Customer> customers):void
employeeMenu(Arraylist<Employee>employee)
employeeMenu(Arraylist<Payment>payments,Arraylist<Customer> customer)
mainMenu():void
showMenu():int

Employee

-df:DecimalFormat
-name:String
-address:String
-ethnicity:String
-gender:String
-phoneNumber:String
-hours:double
-payRate:double
-insurance:boolean
-untaxWage:double
-taxedWage:double
-employeeID: Int

+setName(String):void
+getName():String
+ setAdress(String):void
+ getAddress():String
+ setEthnicity(String):void
+ getEthnicity():String
+ setGender(String):void
+ getGender():String
+ setPhoneNumber(String):void
+ getPhoneNumber():String
+ setHours(double):void
+ getHours():double
+ setPayrate(double):void
+ getPayrate():double
+ setInsurance(Boolean):void
+ getInsurance():Boolean
+ setUntaxedWage():void
+ getUntaxedWage():double
+ setTaxedWage():void
+ getTaxedWage():double
+ getEmployeeInfo(): String
+ getEmployeeID(): In
+ String toString()

Vehicle

- ratePer25mile:double
- ratePerDay:double
- plateNumber:String
- mileage:int
- gasInGals: double
- rentStatus:boolean
- spotInPark:int
- Maintenance:boolean
- vehicleID: Int
- custId:int
- vehicleModel:String

+ get25Rate():void
+ set25Rate(double):void
+ getPerDayRate():void
+ setRatePerDayRate(double):void
+ getPlateNum()::String
+ setPlateNum(String plt):void
+ getMileage():double
+ setMileage(double):void
+ getGasInTank():double
+ setGasInTank(double):void
+ getRentStat():boolean
+ setRentStat(boolean):void
+ getParkSpot():int
+ setParkSpot(int spot):void
+ getMaint():boolean
+ setMaint(boolean):void
+ getVehicleID():int
+ setVehicleID(int id):void
+ getVehicleMake():String
+ setVehicleMake(String model):void
+ String toString()

Van

- manual:boolean
- make:String
- year:int
- color:String

+ getManual():Boolean
+ setManual(boolean man);void
+ getMake():String
+ setMake(String mk):void
+ getYear():int
+ setYear(int yr):void
+ getColor():String
+ setColor():String

Car

- manual:boolean
- make:String
- year:int
- color:String

+ getManual():Boolean
+ setManual(boolean man);void
+ getMake():String
+ setMake(String mk):void
+ getYear():int
+ setYear(int yr):void
+ getColor():String
+ setColor():String

Customer

- pickupTime:String
- dropOffTime:String
- licenseNum:String
- custName:String
- insurComp:String
- cardNum:String
- numOfPrevRentals:int
- hasAppointment:boolean
- appointPickTime:String
- appointDropTime:String
- carLate:boolean
-custId:int
-custAddress:String

+setPickTime(String):void
+getPickTime():String
+setDropTime(String):void
+getDropTime():String
+setLicenseNumber(String):void
+getLicenseNumber():void
+setCustName(String):void
+getCustName():String
+setIns(String):void
+getIns():String
+setCardNum(String):void
+getCardNum():String
+addToNumOfRent():void
+getNumOfRentals():int
+setHasAppoint(boolean):void
+getHasAppointment():boolean
+setPickTime(String):void
+getPickTime():String
+setDropTime(String):void
+getDropTime():String
+setCarLate(boolean):void
+getCarLate():boolean
+setCustId(String custID):void
+getCustID():String
+setCustAdress(String custCity);void
+getCustAdress():String
+ String toString()

Truck

- manual:boolean
- make:String
- year:int
- color:String

+ getManual():Boolean
+ setManual(boolean man);void
+ getMake():String
+ setMake(String mk):void
+ getYear():int
+ setYear(int yr):void
+ getColor():String
+ setColor():String

Payment

-Miles:double
-pickup:LocalDate
-dropoff:LocalDate
-timeInDays:int
-discountPerc:double
-discountApplied:boolean
-wasCleanupNeeded:boolean
-Total:double
-cust:Customer
-vehi:Vehicle
check:int

+setMiles(double mile);void
+getMiles():double
+setPickup(String pickup)
+getPickup():LocalDate
+setDropoff(String dropoff);void
+getDropoff():LocalDate
+setTimeInDays();void
+setDiscountPerc(double):void
+getDiscountPerc():double
+setDiscountApp(boolean):void
+getDiscountApp():Boolean
+setWasCleanNeed(boolean):void
+getWasCleanupNeeded():boolean
+setTotal():void
+getTotal():double
+setCustomer(Customer):void
+getCustomer():Customer
+setVehicle(Vehicle):void
+getVehicle():Vehicle
+setCheck():void
+getCheck():int
+createPayment(Vehicle vehicle,Customer customer):void
+month(int m,int d, inty);void
+monthDrop(int m, int d, int y):void

+toString():String