

### **DataBaseActions**

searchCustID(Arravlist<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

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

Use

## **Employee**

-df:DecimalFormat

<Payment>):void

-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

+ getPavrate():double

+ setInsurance(Boolean):void

+ getInsurance():Boolean

+ setUntaxedWage():void

+ getUntaxedWage():double

+ setTaxedWage():void

+ getTaxedWage():double

+ getEmployeeInfo(): String

+ getEmployeeID(): In

+ String toString()

ArrayList<Customer>

ArrayList<Vehicle>

ArravList<Employee> ArrayList<Payment>

action:DataBaseActions

vehicleMenu(Arraylist<Vehicle> vehicles):void customerMenu(Arraylist<Customer> customers):void employeeMenu(Arraylist<Employee>employee)

employeeMenu(Arraylist<Payment>payments,Arraylist<Custor

Main

mainMenu():void

showMenu():int

**Payment** 

-Miles:double

Use

-pickup:LocalDate -dropoff:LocalDate

-timeInDays:int

-discountPerc:double

-discountApplied:boolean -wasCleanupNeeded:boolean

-Total:double

-cust:Customer

-vehi:Vehicle

check:int

-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

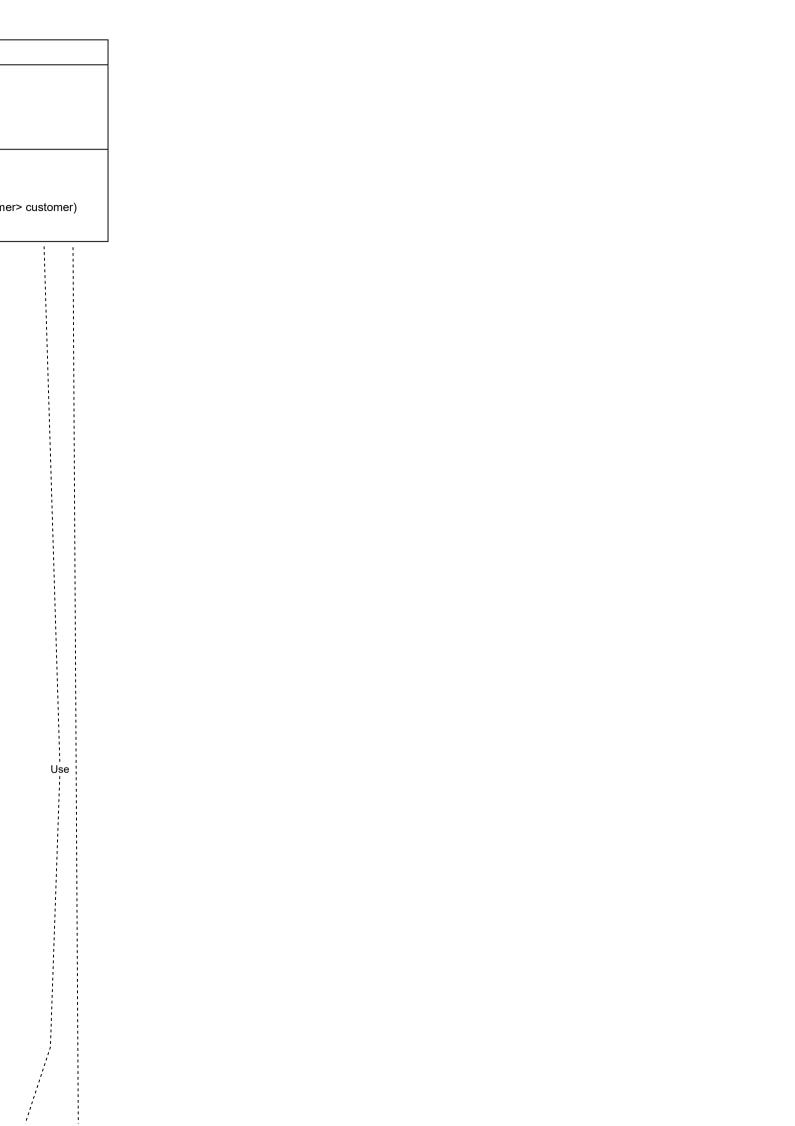
+setCheck():void

+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



# 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()

# Extends **Truck** Extends - manual:boolean - make:String Extends 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

- 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()

