1. Class – Vehicles

Attributes – licensePlateNumber, brand, model, year, color, engineSize, fuelType, transmissionType, mileage, seatingCapacity, rentalStatus, ratePerDay, dateRented, expectedReturnDate

Methods – viewAllVehicles, searchVehicles,

1. Class – Cars

Attributes – interiorType

Methods

1. Class – Trucks

Attributes – interiorType, towingCapacity

Methods

1. Class – Bikes

Attributes – numberOfHelmets

Methods

1. Class – Customer

Attributes – trn, customerName, homeAddress, phoneNumber, depositePaid

Methods – returnVehicle, viewRentedVehicles

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| **Vehicles** |
| # licensePlateNumber : String  # brand : String  # model : String  # year : Integer  # color : String  # engineSize : Double  # fuelType : String  # transmissionType : Character  # mileage : Double  # seatingCapacity : Integer  # rentalStatus : Boolean  # ratePerDay : Double |
| + Vehicles( ) :  + viewAllVehicles( ) : void  + searchVehiclesByPlate( String ) : void  + searchVehiclesByBrand( String ) : void  + searchVehiclesByModel( String ) : void  + searchVehiclesByYear( String ) : void |

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| **Cars** |
| - interiorType : String |
| + Cars( ): |

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| **Trucks** |
| - interiorType : Character  - towingCapacity : Double |
| + Trucks( ): |

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| **Bikes** |
| - numberOfHelmets : Integer |
| + Bikes( ): |

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| **Customer** |
| - trn : Integer  - firstName : String  - lastName : String  - homeAddress : String  - phoneNumber : String |
| + Customer( ):  + returnVehicle( ) : void  + viewRentedVehicles( ) : void |

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| **Rental** |
| - licensePlateNumber : String  - trn : Integer  - dateRented : Date  - expectedReturnDate : Date  - depositePaid : Double |
| + Rental( ) : |

Vehicle

Rental

User

Car

Bike

Truck

Date