**Names:**

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| Enum name | Description |
| CarColor | Color of the car |
| Doors | Numbers of doors |
| DrivingLicenceCategory | Driving License (A1, A2, etc.) |
| FuelType | Kind of fuel (gasoline/solar/electricy) |
| VehicleStatus | Status of the vehicle in garage (repairing / repaired / payed) |
| VehicleType | Is the vehicle truck, bike or car |
| ParseValidity | Checks of inputs for interface. Client name, phone, etc. Used in parse functions. |

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| Class name | Description |
| Vehicle | Abstruct class. Used as base for all vehicle types. |
| Wheel | Used as composition to vehicle. Contains all methods and parameters of wheels. |
| Engine | Used as composition to vehicle. Same for electric vehicles and none. The only difference in fuel type. |
| Bike | Abstruct class that inheriting from Vehicle. Contains all methods and parameters of bike. |
| Car | Abstruct class that inheriting from Vehicle. Contains all methods and parameters of car. |
| ElectricBike | Inheriting from Bike. Describes electric bike. |
| ElectricCar | Inheriting from Car. Describes electric car. |
| LiquidFuelBike | Inheriting from Bike. Describes regular bike. |
| LiquidFuelCar | Inheriting from Car. Describes regular car. |
| Truck | Inheriting from Vehicle. Contains all methods and parameters of the truck. |
| GeneralRequest | Collecting all data that need to create a vehicle. Used for creation of all vehicle kinds. |
| BikeRequest | Only data that separate bike from a vehicle. Used for creation of both bikes kinds. |
| CarRequest | Only data that separate car from a vehicle. Used for creation of both cars kinds. |
| TruckRequest | Only data that separate truck from a vehicle. Used for creation of truck. |
| ValueOutOfRangeException | This class contains different types of logical errors checking. Used in bounds checking. |
| HashTableFormat | This is the value for hash table. Here can be found some data about the vehicle and the client. |
| Person | Client information. Name, phone. |
| UI | Client interface. Used to get data and to give a service to the user. |
| Program | Contains Main function only. |

Inheriting class diagram

(you have .png file and .cd file)

