**Omer Dahan**

**public class Program** the entry class to start the program

**internal static class UIValidation** A class in which all syntax checks are performed

**internal class UserInterface** Interface between the user and the system

**public abstract class Engine** Abstract object representing an engine of a vehicle

**internal class ElectricalEngine : Engine** An object representing an electric engine inheriting from engine

**internal class GasEngine : Engine** An object representing an fuel engine inheriting from engine

**public class Wheel** An object representing a wheel

**public abstract class Vehicle** Abstract object representing a vehicle

**internal class Car : Vehicle** An object representing a car, inheriting from Vehicle

**internal class Motorcycle : Vehicle** An object representing a motorcycle, inheriting from Vehicle

**internal class Truck : Vehicle** An object representing a truck, inheriting from vehicle

**internal class Client** An object representing a client of the garage

**internal static class ParsingAndValidation** A class responsible for validation of variables and parsing in the logic part

**internal static class VehicleFieldsValidation** A class responsible for validation of vehicles fields

**Public class VehicleCreator** A class that creates a new vehicle - builds a dictionary by the specific type of vehicle and inserts the data to vehicle constructor

**public class Garage** Object represents a garage which preforms all the services

**public class ValueOutOfRangeException : Exception** A class representing an error that is thrown in the case of inappropriate input from a specific range of values

**public enum eGasType -**Types of fuel for gas vehicles

**public enum eColor-** Options of possible car's color

**public enum eDoors –** Options of possible number of doors in a car

**public enum eTypeOfLicense -** Types of license for motorcycle

**public enum eVehicleType-** Types of vehicles the garage supports

**public enum eStatus -** Options of vehicle status in the garage

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