# תרגיל מס' 3

## מערכת לניהול מוסך

**Type Names:**

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| **Type** | **Name** | **Short Description** |
| Abstracts class | Car | Inherits from Vehicle. represents general car in the system |
| Class | CreateNewVehicle | Creates new vehicles in the system |
| Class | ElectricCar | Inherits from Car. represents a car that uses electricity |
| Class | ElectricEngine | Inherits from Engine. represents the electric engine |
| Class | ElectricMotorCycle | Inherits from MotorCycle. represents a motorcycle that uses electricity |
| Abstracts class | Engine | Base class. represents the engine in the system |
| Class | Garage | Represents all the options in the system |
| Class | GasCar | Inherits from Car. represents the gas car |
| Class | GasEngine | Inherits from Engine. represents the gas engine |
| Class | GasMotorCycle | Inherits from MotorCycle. represents the gas motorcycle |
| Abstracts class | MotorCycle | Inherits from Vehicle. represents general motorcycle in the system |
| Class | Truck | Inherits from Vehicle. represents general truck in the system |
| Class | ValueOutOfRangeException | Thrown when user enters a value out of range |
| Abstracts class | Vehicle | Base class. represents the vehicle in the system |
| Class | VehicleOwner | Represents an owner of a vehicle |
| Class | VehicleInGarage | Represents all the vehicles that are currently at the garage |
| Class | Wheel | Represents a general wheel of a vehicle |
| Enum | eVehicleTypes | Specification of all vehicle types in the system |
| Enum | eVehicleStatus | Specification of the different states of a vehicle in the garage |
| Enum | eGasTypes | Specification of the gas types of a gas vehicle |
| Enum | eLicenseTypes | Specification of the different license types of motorcycles in the system |
| Enum | eCarColors | Specification of the different colors for cars in the system |
| Enum | eCarDoorsAmount | Specification of the different number of car doors in the system |



