

ESOF 322 Assignment 1 Part B

```
Public class Company{
    Public String[1] name;
    Public Address[1] headquarters;
    Public Truck[] truck;
    Public Car[] car;
    Public Motorbike[] motorbike;
    Public Employee[] employee;
    Public Customer[] customer;
    Public VehicleRentalService service;
}
Public Abstract class Person{
    Public String[1] name;
    Public String[1] email;
    Public Address address;
}
Public class Employee extends Person{}
Public class Customer extends Person{
    Public BankAccount[] bankAccount;
}
Public class Subcontractor extends Customer, Employee{}
Public class BankAccount {
    Public UnlimitedNatural[1] number;
    Public String[1] depositor;
    Public String[1] bank;
}
Public interface Service{
    Public Customer[1] customer;
}
Public VehicleRentalService implements Service{
    Public Vehicle[1] vehicle;
    Public offerCar();
    Public offerMotorbike();
    Public offerTruck();
}

Public class Truck extends Vehicle{
```

```
    Public UnlimitedNatural[1] weight;  
    Public UnlimitedNatural[1] power;  
    Public String[1] manufacturer;  
    Public String[1] regNo;  
}
```

```
Public class Car extends Vehicle(){  
    Public CarKind[1] kind;  
    Public UnlimitedNatural[1] noSeats;  
    Public UnlimitedNatural[1] power;  
    Public String[1] manufacturer;  
    Public String[1] regNo;  
}
```

```
Public Class Motorbike extends Vehicle(){  
    Public mbKind[1] kind;  
    Public UnlimitedNatural[1] cylinderCap;  
    Public UnlimitedNatural[1] power;  
    Public String[1] manufacturer;  
    Public String[1] regNo;  
}
```

```
Public Abstract Vehicle implements IRentable(){  
    }
```

```
Public Interface Rentable(){  
    Public rent();  
}
```