Owner

boolean registered

String nationalID

TownCouncil

List Vehicles

List registeredUsers

Map vehiclesWithPermit

+veryifyRequestor(Person)

+issuePermit(requestor, vehicle)

Vehicle
<<Abstract>>

Owner registeredOwner

String NumberPlate

Double baseChargePerMonth

String permitNumber

vehicles abstract
privateUseCars
BuildingSiteVehicles
Motorbikes

privateUseCar

BuildingSiteVehicle

float capacity

Double extraCharge

Motorbike

Float capacity

The parking permit application as designed above needs to incorporate a third party authorisation and permit system. The external system provides two interfaces:

```
public interface VerificationService{
    boolean verifyPerson( Person p, Vehicle v)
}
```

and

```
public interface PermitIssuerService{
    String issuePermit( Vehicle v)
}
```

The `verifyPerson(Person p, Vehicle v)` should be used for all requestors. If the `verifyPerson` method returns `true` then the process may continue and a permit may be issued. The `issuePermit` functionality is only to be used for private cars and motorbikes after their requestor has been verified.

Amend your code to allow integration with the third party system and make sure your code is fully unit tested.