Supply

```
┌─────────────────────┐
│    MarketFacade     │
├─────────────────────┤
├─────────────────────┤
└─────────────────────┘


┌─────────────────────┐              ┌─────────────────────┐
│   StoreController   │              │ NotificationHandler │
├─────────────────────┤              ├─────────────────────┤
├─────────────────────┤              ├─────────────────────┤
└─────────────────────┘              └─────────────────────┘
                                               ◇
                                               │
                                               │
                              ┌─────────────────────┐
                              │   UserController    │
                              ├─────────────────────┤
                              ├─────────────────────┤
                              └─────────────────────┘
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                                        │
                                        │                ┌─────────────────────┐
                                        │                │   ShoppingBasket    │
                                        │                ├─────────────────────┤
                                        │                │ + field: type       │◇────
                                        │                ├─────────────────────┤
                                        │                │ + method(type): type│
                                        │                └─────────────────────┘
                                        │                          ┊
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```
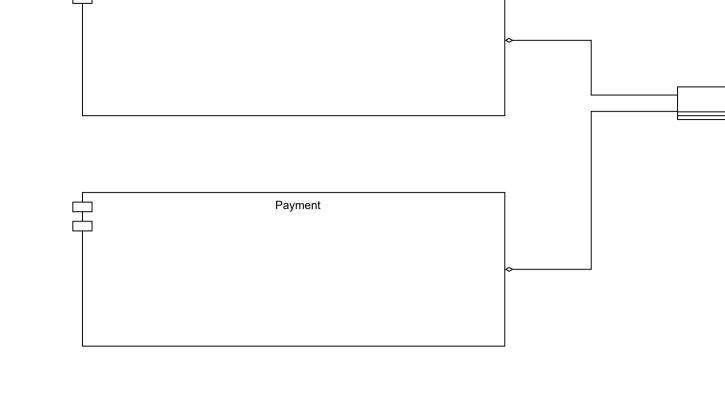
Payment

Purchase

ShoppingCart

+ field: type

+ method(type): type

<<Interface>>
User

+ field1: Type
+ field2: Type

+ method1(Type): Type
+ method2(Type, Type): Type

1

1

1

Guest

<<Interface>>
AssignUser

+ field1: Type
+ field2: Type

+ method1(Type): Type
+ method2(Type, Type): Type

1

1..n

1..n

+ fiel

+ me

+ fiel

+ me

Admin

+ field: type

+ method(type): type

Buyer
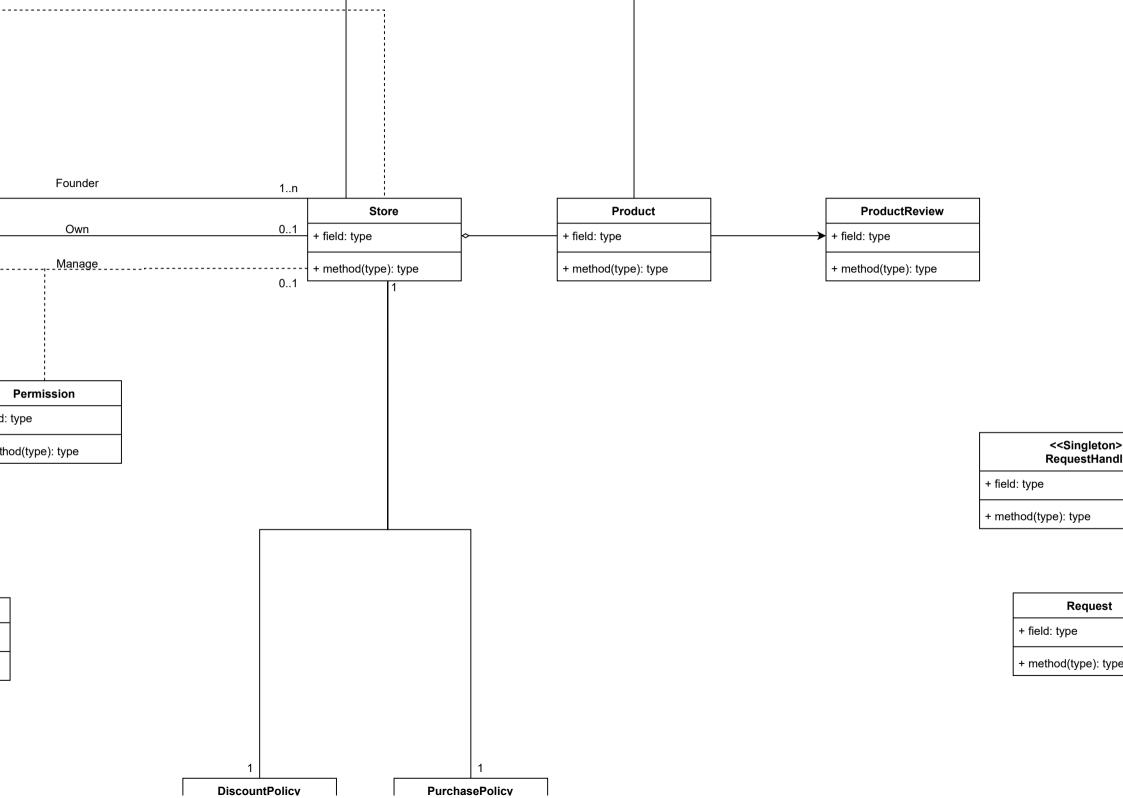
+ field: type

+ method(type): type

Seller

+ field: type

+ method(type): type

Founder

1..n

Store

+ field: type
+ method(type): type

Own

0..1

Manage

0..1

1

Product

+ field: type
+ method(type): type

ProductReview

+ field: type
+ method(type): type

Permission

d: type
thod(type): type

**<<Singleton>>
RequestHandl**

+ field: type
+ method(type): type

Request

+ field: type
+ method(type): type

1

DiscountPolicy

1

PurchasePolicy

+ f

Ipredict

+ field: type

+ method(type): type

CompositePredict

+ field: type

+ method(type): type

Predict

+ field: type

+ method(type): type

OrCompositePredict

ield: type

andCompoistePredict

+ field: type

+ method(type): type

DiscountComponent

+ field: type

+ method(type): type

simpleDiscountCompnent

+ field: type

+ method(type): type

ComplexDiscountComponent

+ field: type

+ method(type): type

simpleDiscountComponentByProduct

+ field: type

+ method(type): type

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+ method(type): type	

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plusDiscountCompnent	
+ method(type): type	
+ field: type	

XorDiscountComponent	
+ field: type	
+ method(type): type	

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type