«Interface» Users API
login(...)
register(...)
logout(...)
deleteUser(...)
addSystemAdmin(...)
addProductToCart(...)
updateCart(...)
sendMessage(...)
getMessages(...)
getNotifications(...)

«Interface» Stores API
addStore(...)
disableStore(...)
addStoreOwner(...)
addStoreManager(...)
addSystemManager(...)
removeStoreOwner(...)
removeStoreManager(...)
addDiscount(...)
addCondDiscount(...)
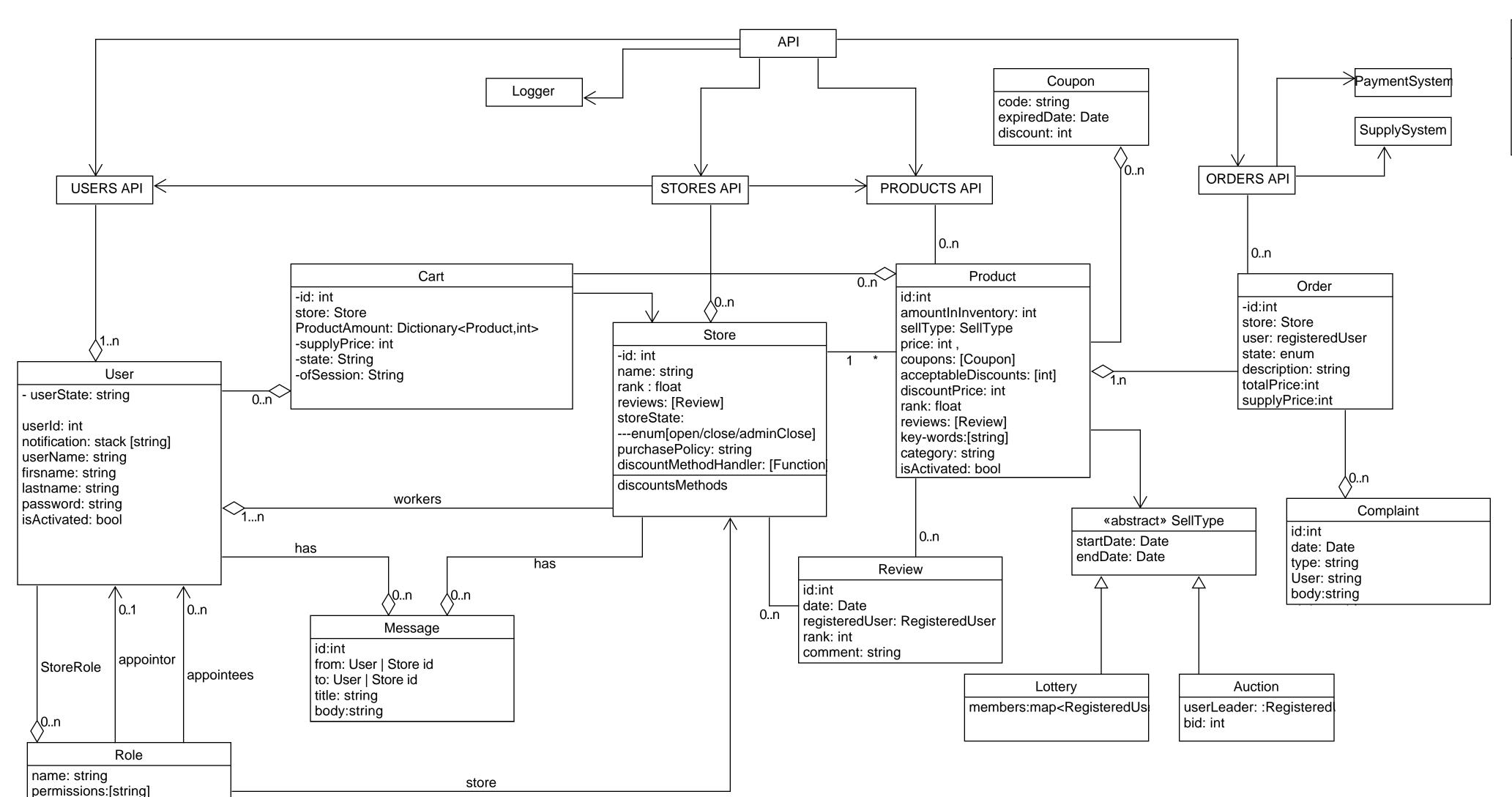getStoreMesages(...)
getWorkers(...)
addReview(...)
closeStore(...)

«Interface» Products API
addProduct(...)
removeProduct(...)
updateProduct(...)
getProducts(...)
addReview(...)
disableProduct(...)

«Interface» Orders API
connectToPaymentSystem(...)
connectToProductSupplySystem(...)
makeTransaction(...)
supplyPackage(...)
addComplaint(...)
getHistory(...)

API

Logger

USERS API

STORES API

PRODUCTS API

ORDERS API

PaymentSystem

SupplySystem

Coupon
code: string
expiredDate: Date
discount: int

Cart
-id: int
store: Store
ProductAmount: Dictionary<Product,int>
-supplyPrice: int
-state: String
-ofSession: String

User
- userState: string

userId: int
notification: stack [string]
userName: string
firsname: string
lastname: string
password: string
isActivated: bool

Store
-id: int
name: string
rank : float
reviews: [Review]
storeState:
---enum[open/close/adminClose]
purchasePolicy: string
discountMethodHandler: [Function]

discountsMethods

Product
id:int
amountInInventory: int
sellType: SellType
price: int ,
coupons: [Coupon]
acceptableDiscounts: [int]
discountPrice: int
rank: float
reviews: [Review]
key-words:[string]
category: string
isActivated: bool

Order
-id:int
store: Store
user: registeredUser
state: enum
descryption: string
totalPrice:int
supplyPrice:int

Message
id:int
from: User | Store id
to: User | Store id
title: string
body:string

Review
id:int
date: Date
registeredUser: RegisteredUser
rank: int
comment: string

«abstract» SellType
startDate: Date
endDate: Date

Complaint
id:int
date: Date
type: string
User: string
body:string

Role
name: string
permissions:[string]

Lottery
members:map<RegisteredUs

Auction
userLeader: :RegisteredU
bid: int

workers

has

has

1...n

1..n

0..n

0..n

0..n

0..n

0..n

0..n

0..n

0..n

0..n

0..n

0.1

0..n

1.n

1   *

StoreRole

appointor

appointees

store