Domain Layer

Role

User

PermissionsEnum

Member

Guest

AuthToken

Messa

IAuthTokenRepository

IUserRepository

IMessageR

Application Layer

LoggerService

AuthService

UserService

Message

Infrastructure Layer

AuthTokenRepository

UserRepository

MessageR

Presentation Layer

ValidationExceptionHandler

AuthController

UserController

MessageC

UML Class Diagram

Classes and notes:

- ShoppingCart
- Address
- notification is a message that "System" is it's sendee
- implicit: Shop's establisher is the owner
- Reciept
- Discount
- ItemReview
- Purchase
- BidReciept
- SingleDiscount
- PolicyCon...
- Item
- Bid
- Shop
- GlobalDiscount
- CategoryDiscount
- ...age
- ShopReview
- ...Repository
- IItemRepository
- IPurchaseRepository
- IShopRepository
- ...Service
- ItemService
- PurchaseService
- <<Interface>> PaymentMethod
- <<Interface>> ShippingMethod
- ShopService
- ...Repository
- ItemRepository
- PurchaseRepository
- ShopRepository
- ...Controller
- ItemController
- PurchaseController
- ShopController

Multiplicity labels: 1, *, 1, *, 1, 1, *, 1, 1, *

*

PurchasePolicy

Composite

PolicyLeaf

TriPredicate

ShippingProviderAPI

paymentProviderAPI

RoleDTO	ItemReviewDTO	ShopDTO	Reciep

GuestDTO	AuthTokenDTO	MessageDTO	Notificati

Client

AdminView	AppLayoutBasic	EditShopView	Hor

MainView	MessageView	MyShopsView	Paymer

		ShopHistoryView	Shoppin

| ...tDTO | ItemDTO | ShopReviewDTO | AddressDTO | MemberDTO |

| ...ionDTO | BidRecieptDTO | PermissionDTO | ShoppingCartDTO | PaymentMethodDTO |

| ...meView | ItemSearchView | LoginView | LogoutView | mainUI |

| ...nPageView | PersonProfileView | ShopView | ReceiptView | RegistrationView |

| ...ngCartView | ShopSearchView | PurchaseCompletionIntermidiate |