

CommunicationLayer

Controller

ClientWebSocket

PresentationLayer

HTML

JS

CSS

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ServiceLayer

UsersHandler

Login

Register

Logout

ViewPurchase
HistoryHandler

UserPurchaseHistory

StorePurchaseHistory

ViewInfoHandler

ViewStoreInfo

viewProductInfo

StoreManagerHandler

AddStoreManager

RemoveManager

EditPermissions

StoreHandler

RemoveOwner

OpenStore

AddStoreOwner

UpdateInventory

getDiscounts

addDiscount

addDiscountPolicy

ShoppingCartHandler

AddToShoppingBasket

ViewShoppingCart

PurchaseCart

EditShoppingCart

SearchHandler

SearchProduct

FilterResult

SpellcheckAndCorrect

SecurityHandler

ViewAllStoresPurchase
History

ViewAllUsersPurchase
History

<<use>>

DomainLayer

User

has a

ShoppingCart

buys

Purchase

SystemFacade

Basket

NotificationSystem

Store

allows

Discount

has a

Product

sells

allows

contains

contains

<<use>>

handle

<<use>>

PaymentCollection

ProductSupply

Security

<<use>>

<<use>>

<<use>>