Requirements

Order Management System(Blinkit)

UpdateLocation&ViewStore(Location)

Search item
Select item
Select quantity and add to cart
Goto cart & review cart
Create Order
Make payment

NearestStoreStrategy

<<IStoreFInderStrategy>>

FindAConvenientStore(Stores)

ItemAvailabilityStrategy

Location

lat
long

StoreManager

Map<storeId,Store> stores

AddStore()
RemoveStore()
GetStore()
GetAllStores()

Store

Id
Map<ItemId,Items> items
Location

AddItems
RemoveItems
GetItems()
GetItem(ItemId)
UpdateItemQuantity(ItemId,Quantity)
DisplayItems()

Item

Id,
Name
Description
Quantity
Price

UpdateQuantity(OperationType,Number)

StoreManagerInstance
IStoreFInderStrategy
SearchManagerInstance

FindAStore(Location,userId)

VIewStore/GetStoreItems(StoreId)
Search(StoreId,Item)
AddCart(StoreId,UserId,ItemId,
Quantity)
MakePayment(CartId,)

SearchManager

StoreManagerInstance

GetStoreItems(storeId)
SearchStore(storeId,ItemId)

CartManager

StoreManagerInstance
Map<UserId,Cart> carts

AddToCart(userId,storeId,ItemId,Quantity)
RemoveFromCart(userId,ItemId,Quantity)
ViewCart(userId)
UpdateStore(ItemId,Quantity)

Cart

Id,
Map<Item,Quantity> items

AddCartItem(Item,Quantity)
RemoveCartItem(Item,Quantity)
CalcualtePrice()

OrderManager

PaymentStrategy
CartManagerInstance

MakePayemnt()
UpdateOrderStatus()

<<IPaymentStrategy>>

MakePayment()

UPI

CreditCard