Model: Main

Presentation layer

ShoppingCartController
+addProductToCart(product_id: int, quantity: int)
+removeProductToCart(product_id: int)

CustomerController
+register(...)

SupplierController
+addSupplier(...)
+removeSupplier(...)
+updateSupplier(...)

ProductController
+addProduct()
+removeProduct()
+updateProduct()

OrderController
+placeOrder(billing_address, card_information, shipping_address)

Service

ShoppingCartService
+addProductToCart(...t)

CustomerController
+register(...)

ShoppingCartController
+addProductToCart(product_id: int, quantity: int)
+removeProductToCart(product_id: int)

ProductController
+addProduct()
+removeProduct()
+updateProduct()

SupplierController
+addSupplier(...)
+removeSupplier(...)
+updateSupplier(...)

OrderController
+placeOrder(billing_address, card_information, shipping_address)

Domain

Item

ShoppingCart

Order

Product

«ValueObject»
CardInformation

Supplier

WareHouseLocation

WareHouse

«ValueObject»
CardInformation

Customer

Integration

EmailSender

Text

Model1::ClassDiagram1

Collaboration1::Interaction1::SequenceDiagram1

sd Interaction1

| OrderController | OrderService | Order | ShoppingCart |

1 : createOrder(shoppingCart)

2 : getItems

3 : new Order(items)

4 : return new order

5 : order