Online Store

1. User/Customer - a person who can use our shop
   - addProductToBasket()
   - choosePlaceAndTimeOfDelivery()
   - tryToPay()
   - chooseWayDelivery()
2. Payment System/Payment Service - a service to which we delegate the functions of paying for the order by the user.
   - payOfProducts()
   - checkPayment()
   - createRefund()
3. Delivery System/Delivery Service - a service to which we delegate the functions of order delivery to the user.
   - reissueTheOrder()
   - returnPaymentAnswer()
4. Notifications System/Notifications Service - a service who gives information about some events
   - sendMessage()
   - sendEvent()
5. Store/Shop - a storage where stored products
   - bookItemsFromWarehouse()
   - createBasket()
   - getParametersForDelivery()
   - markBasket()
   - calculatePossibiltiesForDelivery()
   - sendDataForPayments()
   - startDelivery()
6. Basket/Cart - a storage of products which customer want to buy
7. Product/shipment - an item which customer can buy
8. Order - paid list products
9. Event - a message which contains information about action
10. Refund - refund in case of delay
11. Warehouse/Warehouse Service - a service which reserve products in order

User
-name
-phone
-email
-password
-address

Product
-id
-product name
-price
-description
-weight

Store
-store name
-count of products
-location
-calculate the shipping cost
-choose delivery time
-refund

Payment System

Basket

Warehouse

Notification service

Delivery service

refund

view information about product
add/delete product to/from basket
add/delete product to/from order
choose delivery time

notifies the user

add/delete to/from store

transfer control for payment

Store create basket

Book products

gives information about changes

gives created order

give information about delivery status