Conceptual Model

- When you're done creating use case and user stories then you'll create a conceptual model of our system
- You're identifying the most important objects
- Start to refine those objects
- Draw them in a simple diagram
- Show interaction and association between them

Identifying Objcets

- Use case Scenario: Customer verifies items in shopping cart. Customer provides payment and address to process sale. System validates payment and responds by confirming order, and provides order number that Customer can use to check on order status. System will send Customer a copy of order details by email.

Noun List

- Customer
- Item
- Shopping Cart
- Payment
- Address
- ~~Sale~~
- Order
- ~~Order Number~~
- ~~Order Status~~
- ~~Order Details~~
- Email
- ~~System~~

- Oder and Sale both have same meaning, so we can get rid one of them
- Order number, order status, and order details are attributes of order
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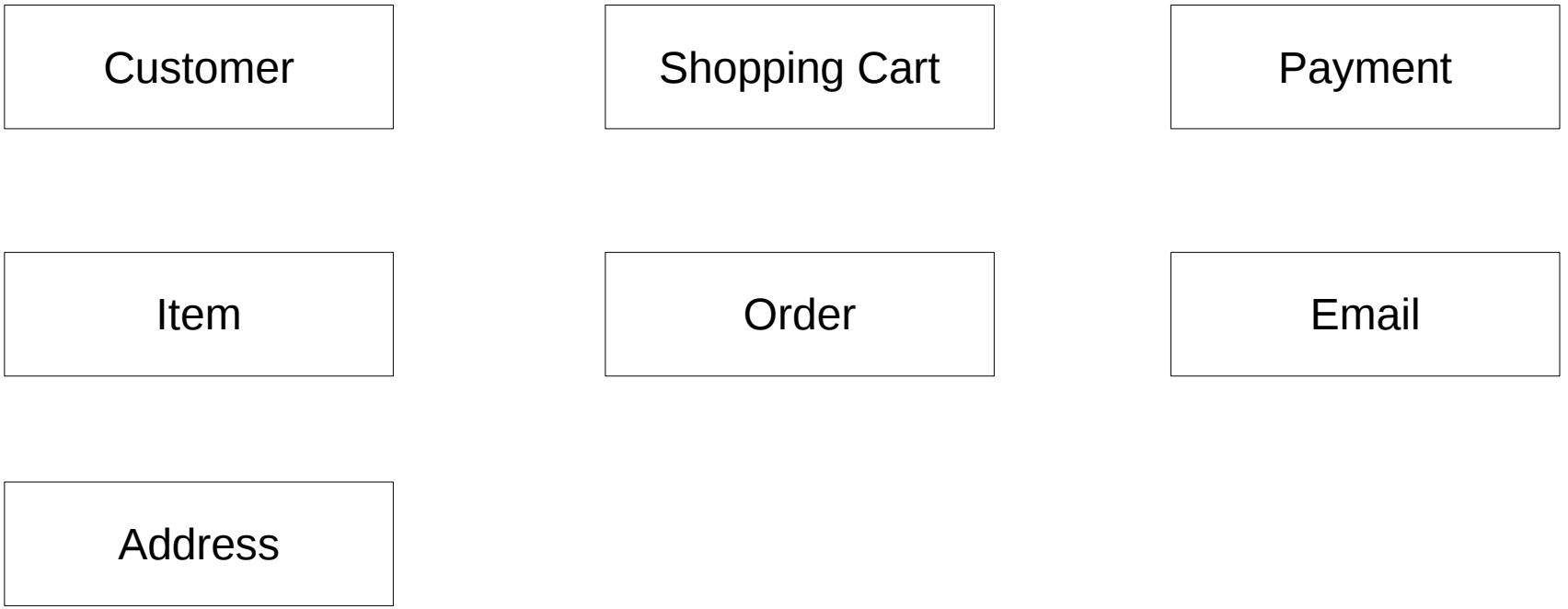
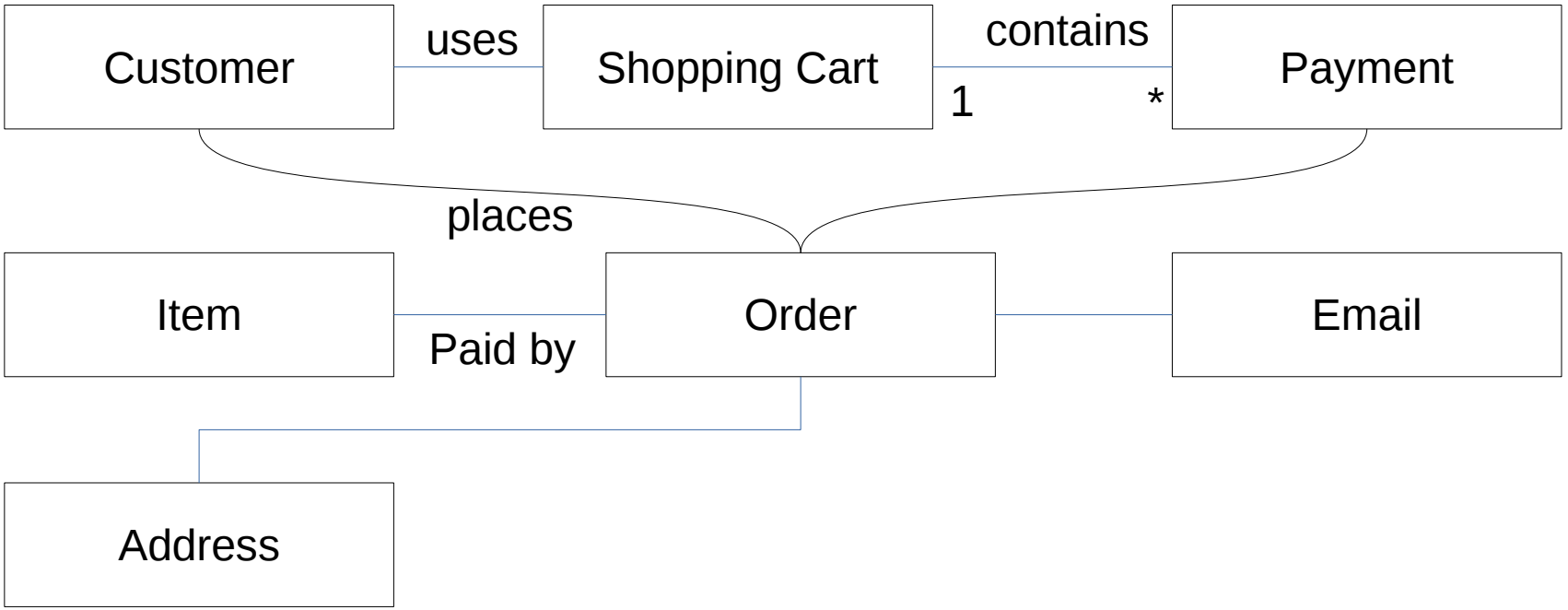
Conceptual Model Object



The benefit of creating a diagram that it's become easier to show the responsibilities and the relationships between the different objects

Conceptual Object Model



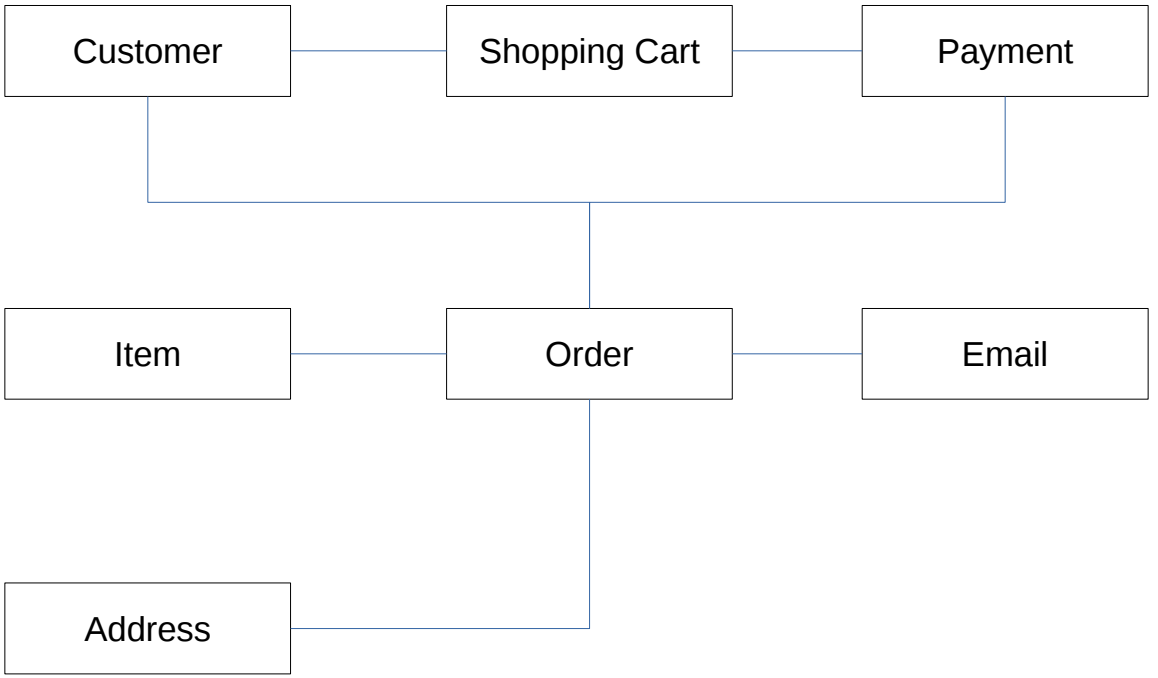
Identifying Responsibilites

- Use case Scenario: Customer verifies items in shopping cart. Customer provides payment and address to process sale. System validates payment and responds by confirming order, and provides order number that Customer can use to check on order status. System will send Customer a copy of order details by email.

Identifying Responsibilites

- Verify items
- Provide payment and address
- Process sale
- Validate payment
- Confirm order
- Provide order number
- Check order status
- Send order details email

Assigning Responsibilities



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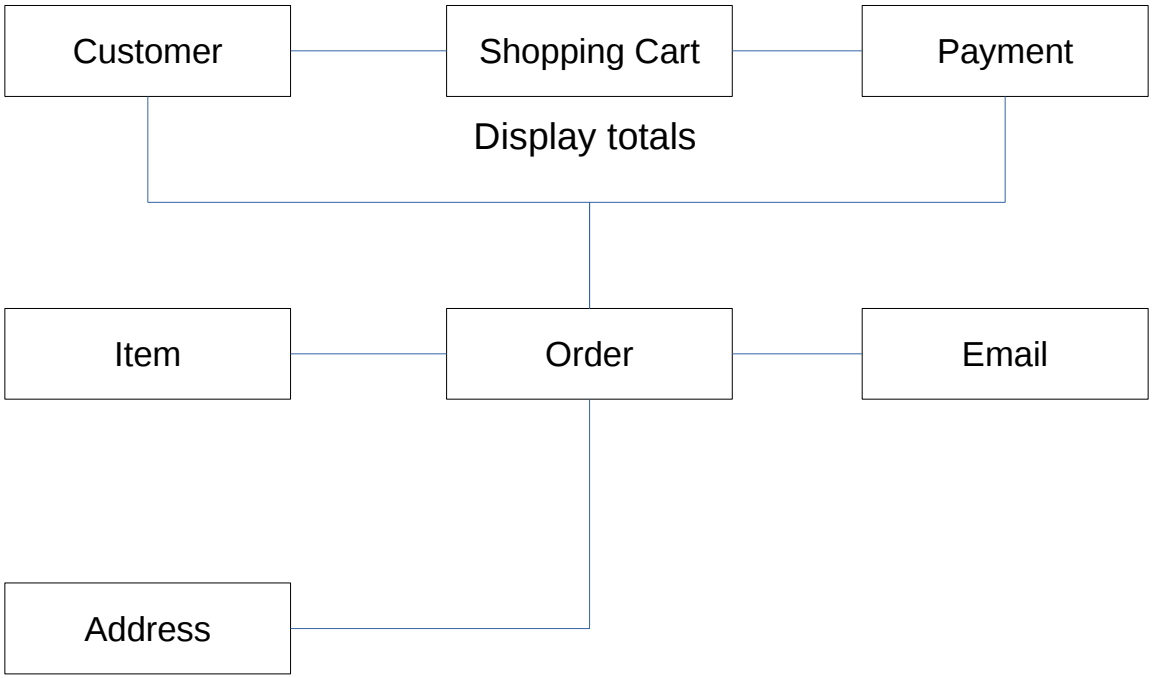
Assigning Responsibilities



- Provide payment and address
- Process sale
- Validate payment
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- Provide order number
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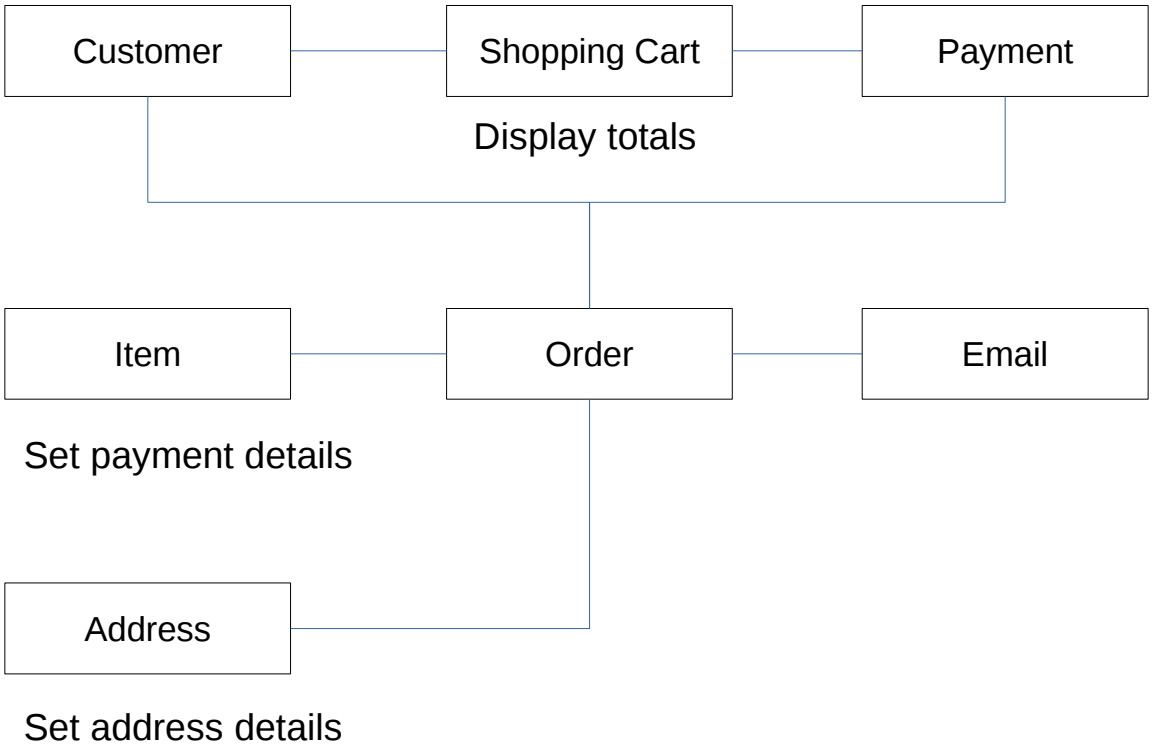
Assigning Responsibilities



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- Validate payment
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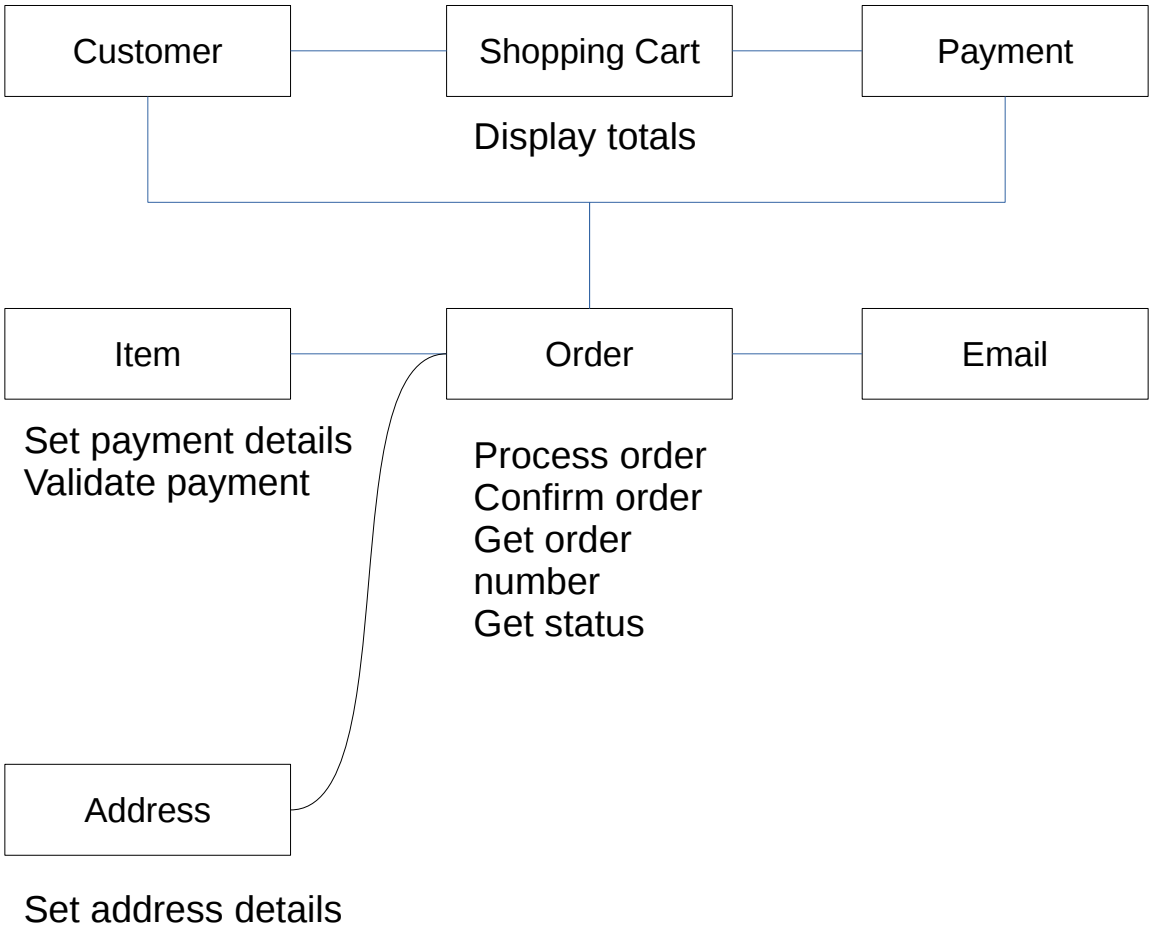
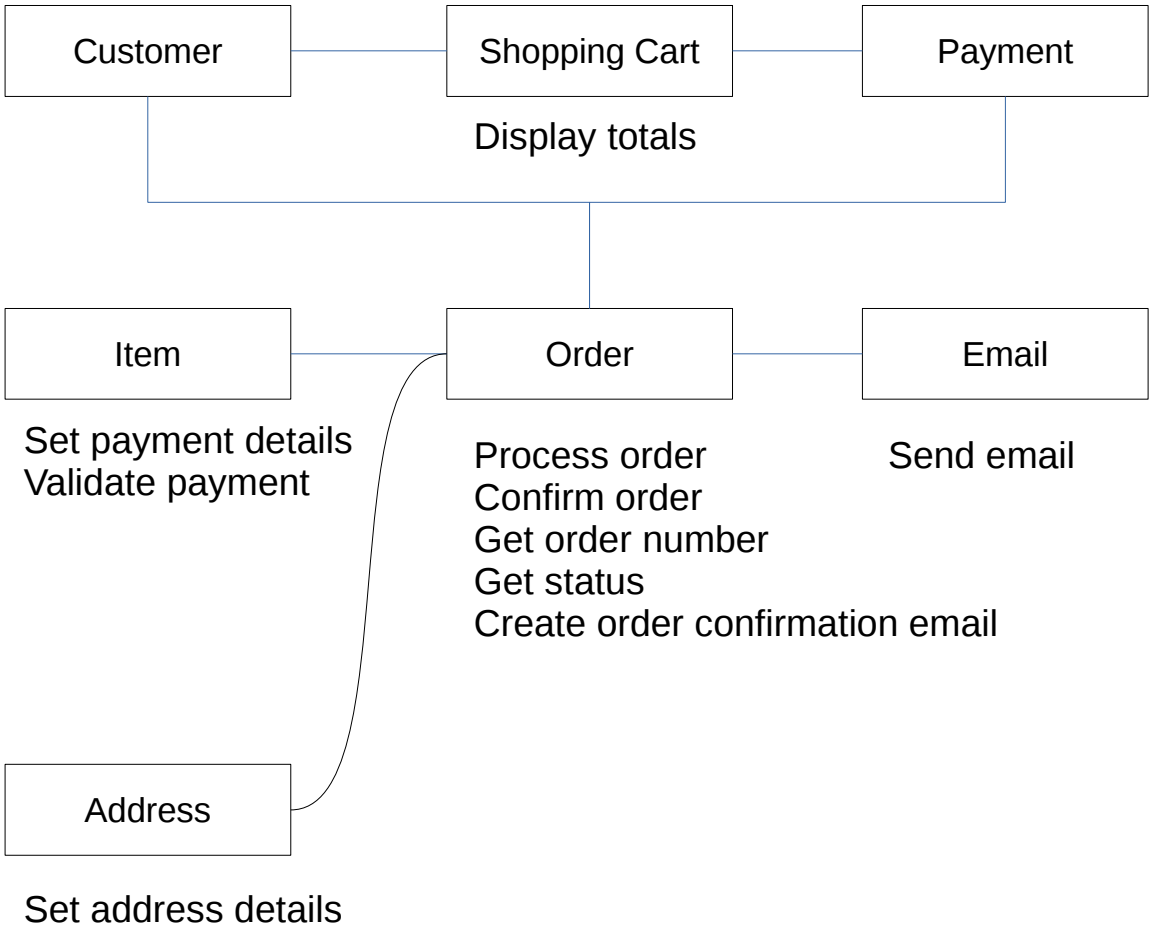
Assigning Responsibilities



- Send order details email

Assigning Responsibilities



Working with “System”

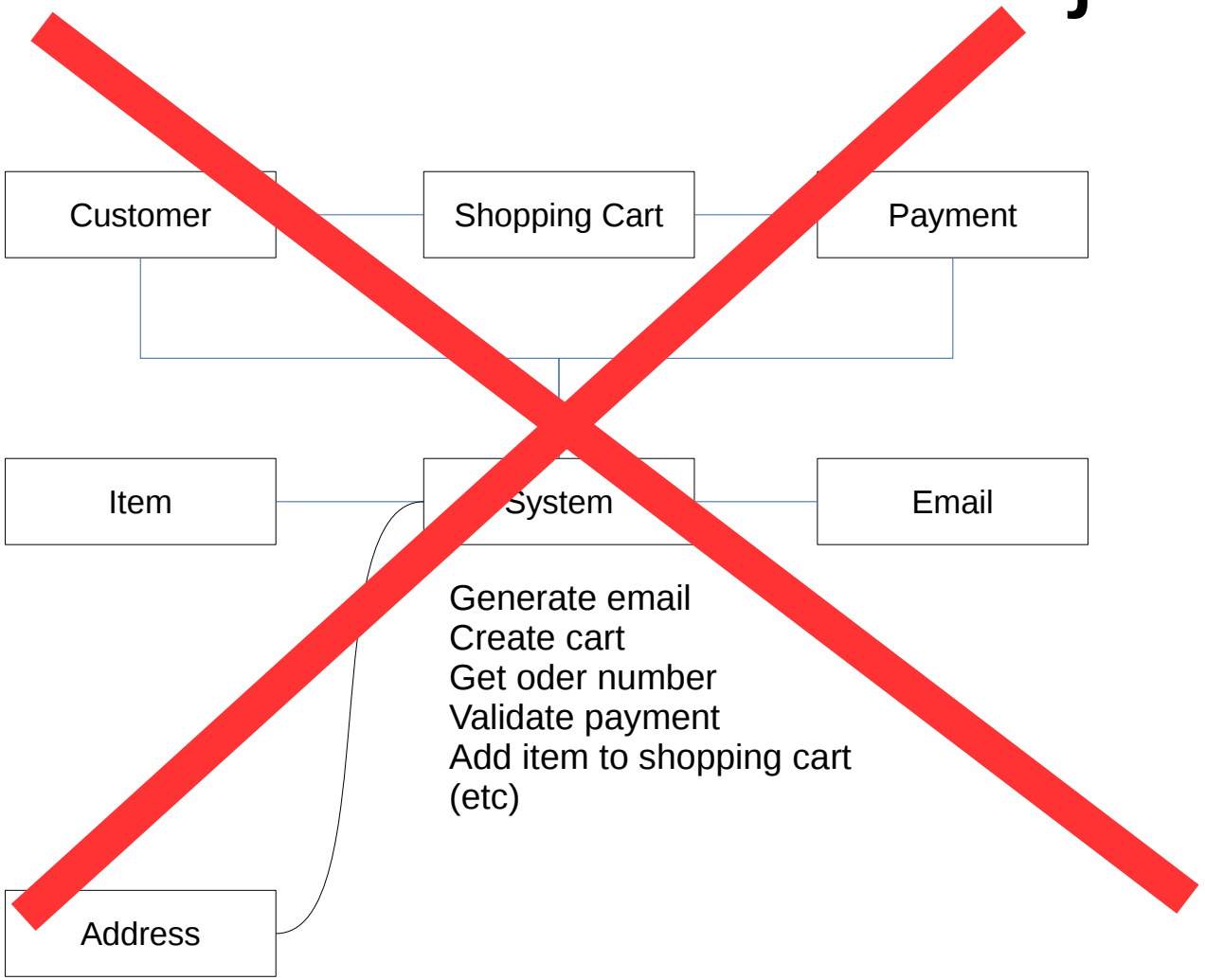
- Use case Scenario: Customer verifies items in shopping cart. Customer provides payment and address to process sale. System validates payment and responds by confirming order, and provides order number that Customer can use to check on order status. System will send Customer a copy of order details by email.

Some part of the system will validate the payment

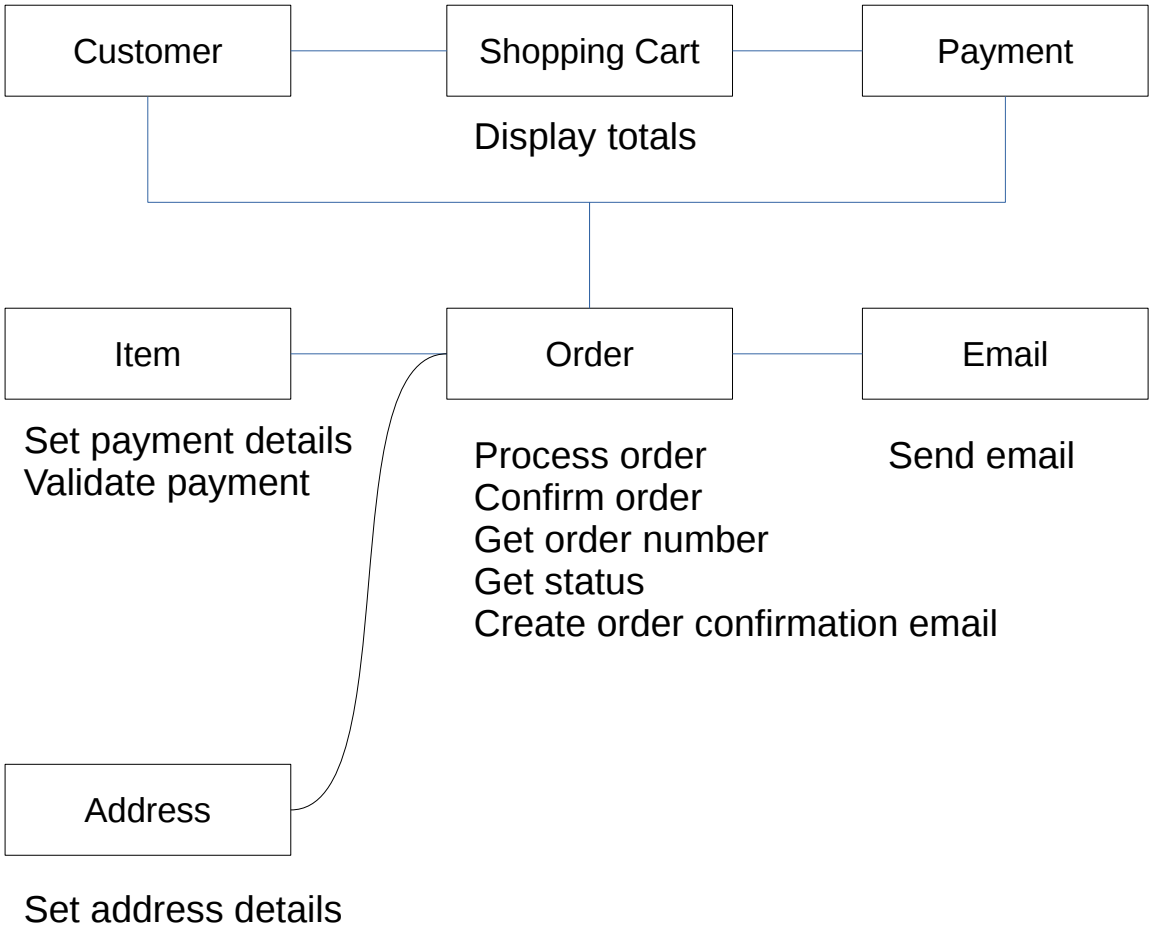
Some part of the system will send an email to the customer

IT IS OUR JOB TO FIND WHAT PART IT IS

Avoid Global Master Objects



Responsibilities Should Be Well Distributed



Using CRC Cards

- Class Resonsibilities Collaborators

Payment	
store payment details	order
validate password	