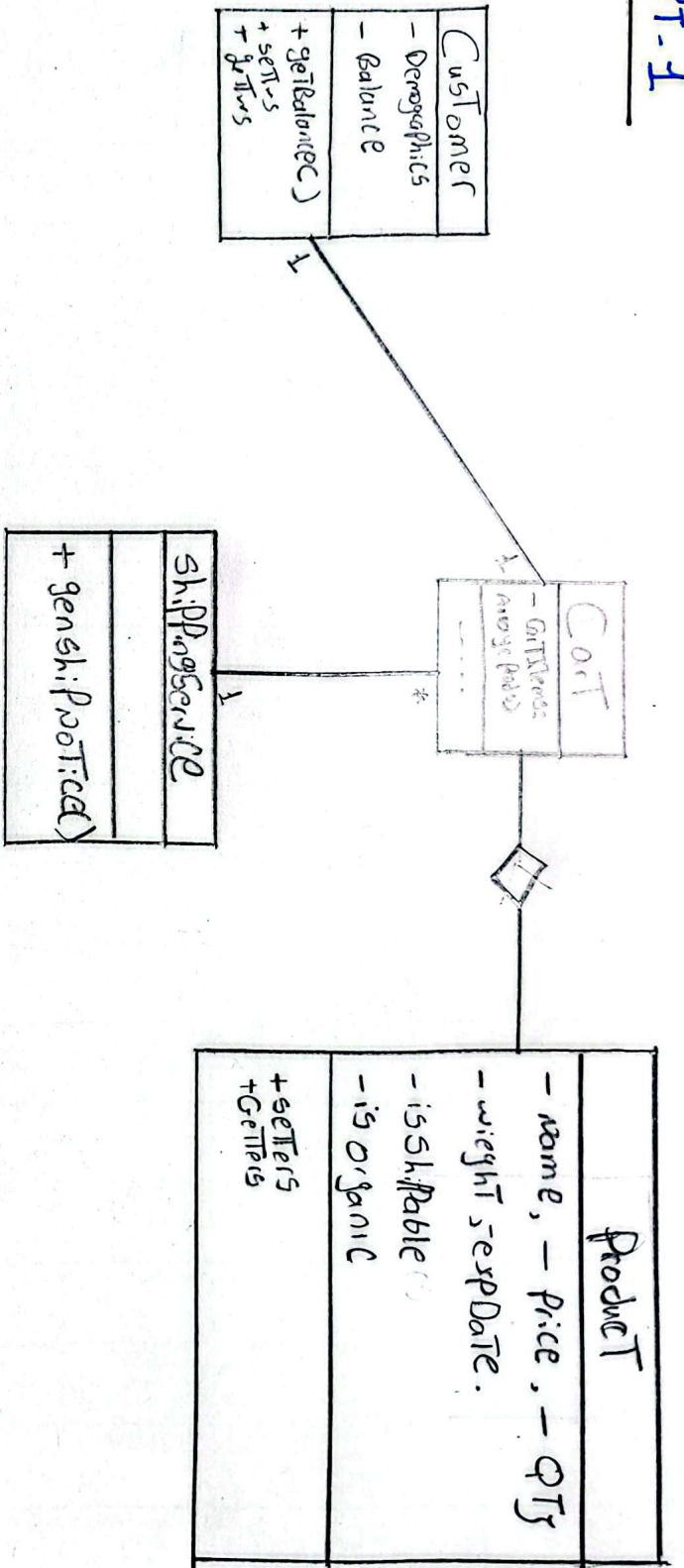


## \* Fawry challenge \*

### 1) Requirement Analysis:

- Customer add a product To cart.
- Customer has balance should not Be 0 To start shopping (sufficient).
- Customer checkout items in The cart.
- Customer choose Qty of a product as per The stock.
- a product is shippable or not.
- a product has weight if shippable.
- a product has expiration Date or not.
- ☒ checkout should not Be completed if:
  - cart is Empty
  - no balance for cust.
  - out of stock \ exp. product.
- shipping service handles shippable products.

# \* Design Draft-1



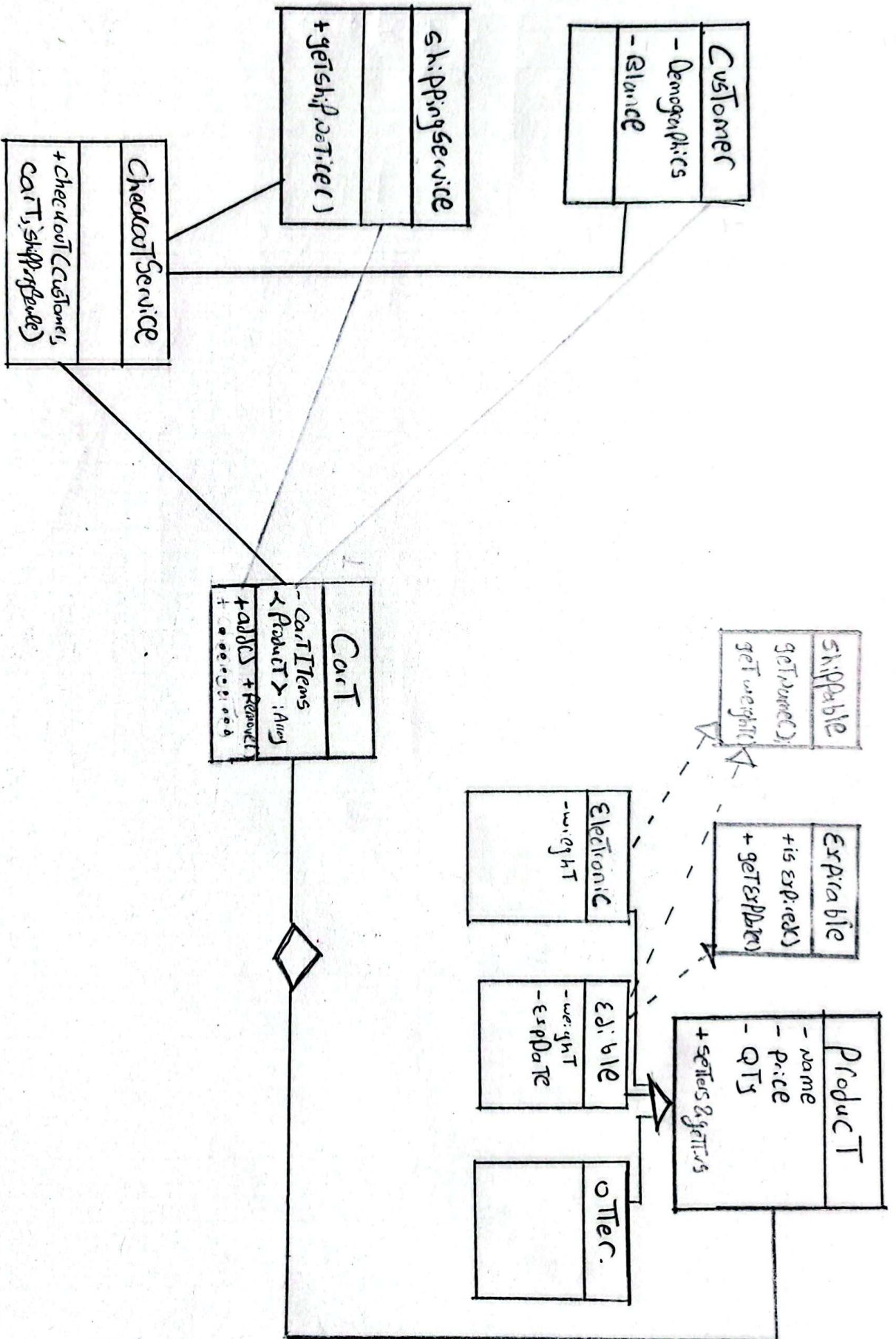
# we could use the similar approach

& Implement Shippable & organic (loop)  
as separate Interfaces, But we have  
unlimited Products that require  
calls for each? & Composition?  
or Introduce Categories

# weight cant = 0  
if shippable > 0



# \* Design Draft - 2 :





### \* Edge Cases :-

→ Give an error if:

- Empty cart & Checkout is called ✓
- Out of stock item " " " " " " ✓
- Expired item " " " " " " ✓
- Insuff cust. Balance " " " " " " ✓
- Shippable item with weight = zero! ✓
- If nothing is shippable print nothing! ✓