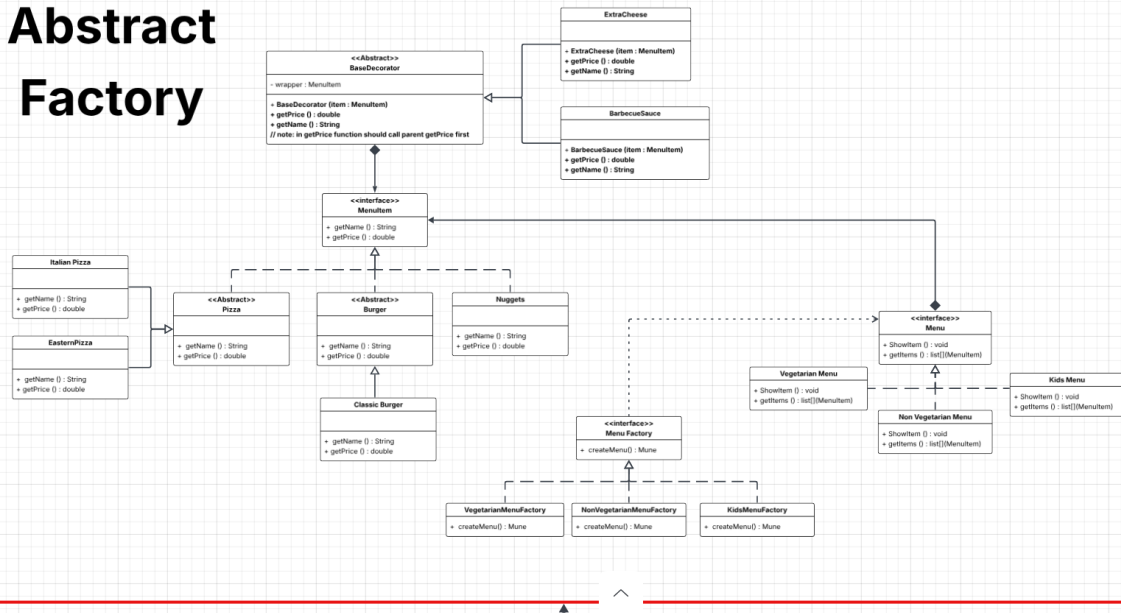
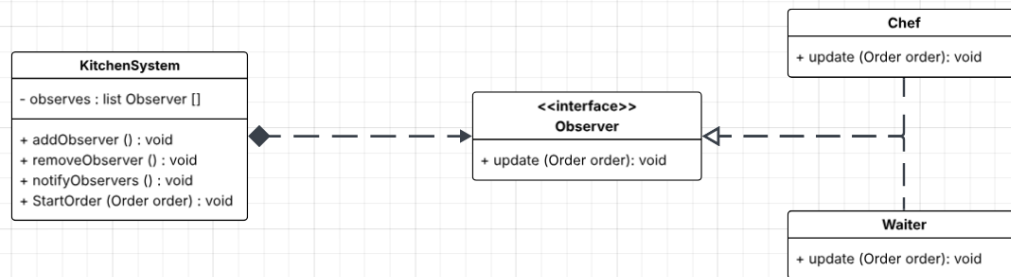


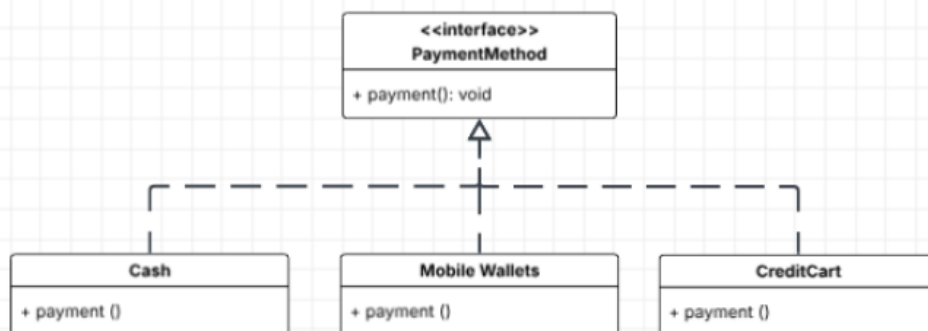
# Abstract Factory



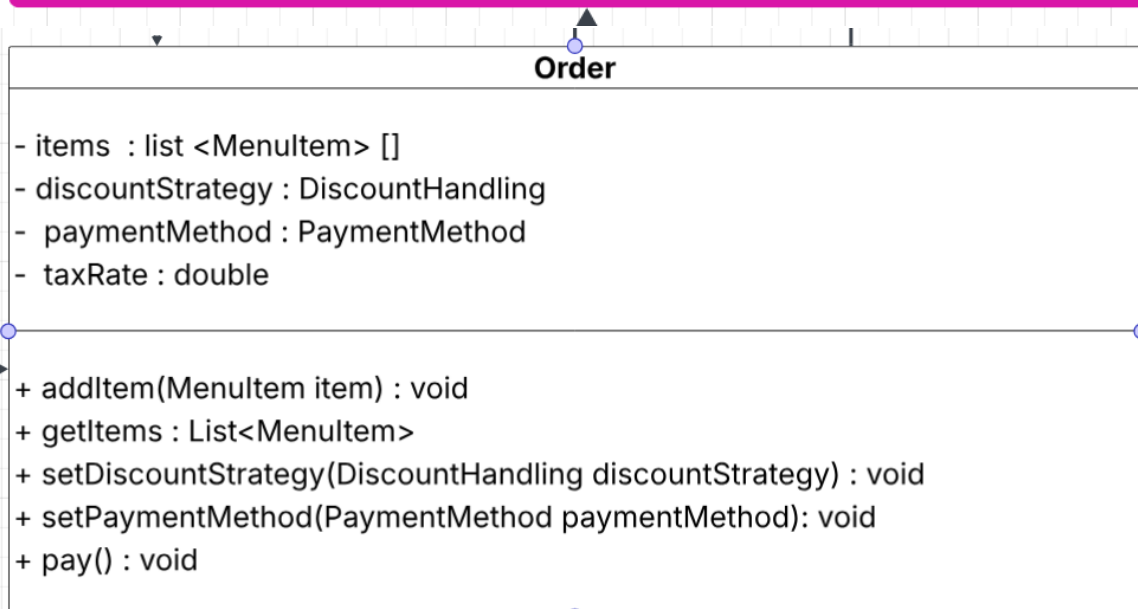
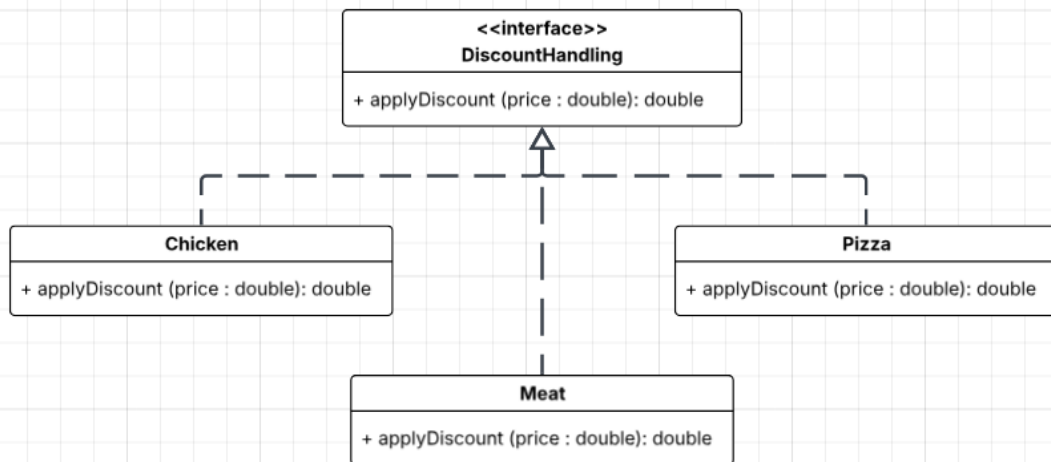
# Order Notification to Kitchen



# Payment Methods



# Discount Methods



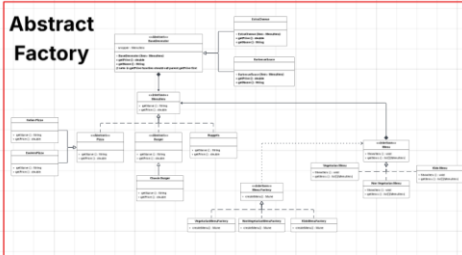
# RestaurantSystemFacade

- kitchenSystem : KitchenSystem

+ placeOrder(factory : MenuFactory,  
item : MenuItem,  
addOnsList : List<AddOnDecorator>  
discount : DiscountHandling,  
payment : PaymentMethod) : void

- applyAddOns(item : MenuItem, addOnsList : List<AddOnDecorator>) : MenuItem

## Abstract Factory



## Order Notification to Kitchen



## Payment Methods



## Discount Methods



## RestaurantSystemFacade

- kitchenSystem : KitchenSystem

+ placeOrder(factory : MenuFactory,  
item : MenuItem,  
addOnsList : List<AddOnDecorator>  
discount : DiscountHandling,  
payment : PaymentMethod) : void  
- applyAddOns(item : MenuItem, addOnsList : List<AddOnDecorator>) : MenuItem

## Order

- items : list<MenuItem> []  
- discountStrategy : DiscountHandling  
- paymentMethod : PaymentMethod  
- taxRate : double  
+ addItem(MenuItem item) : void  
+ getItems() : List<MenuItem>  
+ setDiscountStrategy(DiscountHandling discountStrategy) : void  
+ setPaymentMethod(PaymentMethod paymentMethod) : void  
+ pay() : void