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## Wishlist

Sequence Diagram	Method(s) to add	Description
Constructor	Constructor()	Initialize a wishlist for a specific client.
Add Product	AddProduct()	Verifies product ID and checks to see if the product can be added to wishlist. If it can add it and it already isn't in wishlist, then return true and add it. Otherwise return false.
Get Wishlist Info	GetWishListInfo()	Returns a string containing all the products in the wishlist. It includes name, price, description for each.
Remove Product	RemoveProduct()	Uses product ID to remove it from the wishlist. Returns true if it was removed and false if the product isn't in wishlist.

Wishlist
-clientID: String -products: List
+Wishlist(clientID: String) +getClientID(): String +getProducts(): List +addProduct(productID: String): Boolean +getProductInfo(productID: String): String +updateProduct(productID: String, newProduct: Product): Boolean +removeProduct(productID: String): Boolean

## Order

Sequence diagram	Methods to add	Description
Constructor	Constructor	Initializes a new order with a unique order ID, associated client ID, and the date it was placed.
Add Item	addItem()	Add a product and the quantity to the order, check to see if there is stock.
Update Item	updateItem()	Checks and updates the quantity of an item in the order.
Remove Item	removeItem()	Removes a product from the order.
Get Order Details	getOrderDetails()	Gives the user a summary of the order that includes all the items, the quantities, and the costs.
Process Order	processOrder()	Processes payment and adjusts the stock.

Order
id: String clientID: String date: Current date items: List
+order(clientID: String, date: Current Date) +getID(): String +getClientID(): String +getDate(): Current Date +addItem(product: Product, quantity: int): Boolean +updateItem(productID: String, quantity: int): Boolean +removeItem(productID: String): Boolean +getOrderDetails(): String +processOrder(): Boolean +orderItem(product: Product, quantity: Int) +getProduct(): product +getQuantity(): Int +setQuantity(quantity: Int): +getProductInfo(): String