Store

- products : list of Product
- customers : list of Customer
- name

+ Store()
+ Store(name)
+ getName()
+ setName(storeName)
+ takeShipment(productID, quantity, cost)
+ makePurchase(customerID, productID, quantity)
+ takePayment(customerID, amount)
+ addProduct(productID, productName)
+ listProducts()
+ addCustomer(customerID, name)
+ listCustomers()
- getProduct(productID) : Product
- getCustomer(customerID) : Customer

Product

- productID
- name
- description : string
- inventory
- numSold
- totalPaid

+ Product(productID, productName)
+ getDescription() : string
+ setDescription(description)
+ getName() : string
+ getID()
+ getNumberSold() : quantity
+ getTotalPaid() : dollars
+ getInventoryCount() : quantity in inventory
+ getPrice() : dollars
+ addShipment(quantity, cost)
+ reduceInventory(quanity)

Customer

- customerID
- name
- credit : true/false
- balance : dollars
- productsPurchased : list of Product

+ Customer (customerID, customerName, credit)
+ getName()
+ setName(name)
+ getID()
+ getCredit() : true/false
+ setCredit(credit : true/false)
+ getBalance()
+ listProductsPurchased()
+ processPayment(amount)
+ processPurchase(amount, product)