Stock Maintenance System

Customer
+ CustomerID: String
+ name: String
+ contact: integer [1...10]
+ address: String

+ create order (order) int
+ cancel order ()
+ update order

+ Customer Orders

Supplier
+ SupplierID: String
+ name: String
+ contact: int
+ company: String

+ supply Product ()
+ generate Product ()
+ update Product ()
+ manage orders ()

Bag: { inventory
productvariant
supplier Produc...
ordered: { Produc...
priority, stock eve...
sequence: { Transac...
custom, stock }
...

+ supplied products

+ interactions

Order
+ orderid: String
+ date: date
+ totalamount: Double
+ status: orderstatus

+ place order ()
+ cancel order ()
+ confirm order ()
+ track order ()

1*

Inventory Manager
+ Manager ID: String
+ name: String
+ contact: integer
+ email: String

+ monitor stock ()
+ generate Report ()
+ reorder Product ()
+ update inventory ()

1

<<enumeration>>
order status

Pending
Confirmed
Cancelled
Delivered

+ Ordered Products

0

Product
+ product ID: String
+ name: String
+ quantity: integer
+ price: Double

+ update stock ()
+ check availability ()
+ restock ()

Product ID

1

0   + managed Prod...