SMS_Class Diagram::SMS

Person *(abstract)*
+personID: String{unique}
+name: String

Customer
+customerID: String {unique}
+name: String
+contact: Integer[1..10]
+address: String

+createOrder()
+cancelOrder()
+updateDetails()

Supplier
+supplierID: String {unique}
+name: String
+contact: Integer[1..10]
+company: String

+supplyProduct()
+generateProduct()
+updateDetails()
+manageOrders()

InventoryManager
+managerID: String {unique}
+name: String
+contact: Integer[1..10]
+email: String

+monitorStock()
+generateReport()
+reorderProduct()
+updateInventory()

+Interactions   0..*   1

OrderDetails
+productnames: String
+quantity: Integer

+DisplayOrder()

customerorder

{overlapped}

User
+userdID: String{unique}

{sequence}

Order
+orderID: String {unique}
+date: String
+totalAmount: Double
+status: OrderStatus

+placeOrder()
+cancelOrder()
+confirmOrder()
+trackOrder(): String

+suppliedProducts

+manages

Inventory
+location: String
+productnames: String

+monitorStock()

1..*   1   1..*   1

1..*   1..*

«enumeration»
OrderStatus
(from Order)

Pending
Confirmed
Cancelled
Delivered

+orderedProducts

+productID

Product
+productID: String {unique}
+name: String
+quantity: Integer[0..*]
+price: Double

+updateStock()
+checkAvailability()
+setPrice()

0..*   0..*   1..*

+managedProducts