

Component

-id: int
-name: String
-quantity: int

+getName(): String
+getId(): int
+setName(Name:String): void
-generateId(): int
+equals(obj:Object): boolean
+toString(): String
+setId(id :int): void

Supplier

-id: int
-name: String

+getName(): String
+getId(): int
+setName(name:String): void
+setId(id:int): void
-generateId(): int
+equals(obj:Object): boolean
+toString(): String

ComponentList

-components: ArrayList<component>

+getComponent(id:int): Component

+addComponent(component:Component): bool

+removeComponent(componentId:int): bool

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OrderList
-orders: ArrayList<Order>

SupplierList

-suppliers: ArrayList<Supplier>

+getSupplier(supplierId:int): Sup

+addSupplier(supplier:Supplier):

+removeSupplier(supplierId:int):

plier boolean boolean

-orderId: int -supplierId: int -componentId: int -quantity: int -fullfilled: boolea
+getOrderId(): int +getComponentId(): +getSupplierId(): i +setOrderId(orderId +setComponentId(com +setSupplierId(supp -generateOrderId(): +equals(obj:Object) +toString(): String +getFullfillment(): +setFullfillment(fu

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Order

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int
nt
:int): void
ponentId:int): void
lierId:int): void
    int
: boolean

boolean
llfilled:boolean): void

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+getOrder(): Order
+addOrder(orderId:int): boolean
+removeOrder(orderId:int): boolean
+fullfillOrder(orderId:int): boolean
+placeOrder(componentId:int,supplierId:i
               quantity:int): boolean
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