



### Relationships

- Aggregation Relationship from InventoryManager to Tools
- Aggregation Relationship from InventoryManager to Suppliers
- Composition Relationship from InventoryManager to Order
- Composition Relationship from Order and OrderItem
- Order item is Associated with Tools
- Order Item is Associated with Suppliers
- Suppliers is lossely associated with Tools
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### Multiplicity

- OrderItem --> Order ( Atleast 1 order item per Order)
- Order --> Inventory Manager ( There can None or Many orders pulling from Inventory manager)
- Tools --> Inventory Manager (None or Many tools in Inventory Manager)
- Suppliers --> Inventory Manager((None or Many tools in Inventory Manager)
- OrderItem --> Tools (One tool per Order Item)
- OrderItem --> Supplier ( One Supplier per Order Item)