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**Logical Schema(Version 4)**

The purpose of this file is to convert the ER diagram into a relational schema.

Based on: Conceptual Schema(Version 5)

Changes: Renamed Part.ShipmentName to Contains, renamed Part.ComponentPartName to BOM, renamed Technician.CardName to Uses, renamed AssemblyCard.OrderName to Creates, renamed Customer.OrderName to Places, and renamed Supplier.ShipmentName to Ships. Exact Date was moved from Assembly Card to Order and renamed to DateToFill.

Part (PartID, Name\*, Unit Cost\*, Contains, BOM)

Technician (TechnicianID, Name\*, Street, City, State, Zip, Uses)

COrder (OrderID, [OrderTotal]\*, DateToFill, CustomerID\*, PartID\*)

*CustomerID references Customer.CustomerID; PartID references Part.PartID*

ForPart (PartID, OrderID, Quantity\*, [LineTotal]\*)

*PartID references Part.PartID; OrderID references COrder.OrderID*

Assembly Card (CardNumber, OrderID\*, Creates)

*OrderID references COrder.OrderID*

Customer (CustomerID, Name\*, Street\*, City\*, State\*, Zip\*, Places)

Supplier (SupplierID, Name\*, Street\*, City\*, State\*, Zip\*, Ships)

Supply Shipment (SupplyID, Quantity\*, SupplierID\*, PartID\*)

*SupplierID references Supplier.SupplierID; PartID references Part.PartID*