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**Logical Schema(Version 3)**

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

Based on: Conceptual Schema(Version 4)

Changes: Edited the For relationship into the ForPart relationship. Added the Assembly Card entity, the Creates relationship, two ForPart attributes, and the OrderTotal Order attribute. Removed the Exact Date attribute from Order and added it to AssemblyCard.

Part (PartID, Name\*, Unit Cost\*, ShipmentName, ComponentPartName)

*ShipmentName represents the Contains relationship; ComponentPartName represents the BOM relationship*

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

*CardName represents relationship Uses*

Order (OrderID, [OrderTotal]\*, CustomerID\*, PartID\*)

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

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

*PartID references Part.PartID; OrderID references Order.OrderID*

Assembly Card (CardNumber, OrderID\*, Exact Date, OrderName)

*OrderID references Order.OrderID; OrderName represents the Creates relationship*

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

*OrderName represents the Places relationship*

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

*ShipmentName represents the Ships relationship*

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

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