Shelby Simpson; CS205-01; Spring 2018

**Logical Schema(Version 2)**

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

Based on: Conceptual Schema(Version 3)

Changes: Removed unnecessary entities and relationships and added a new relationship.

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

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

Technician (TechnicianID, Name\*, Address, OrderName\*)

*OrderName represents relationship Uses*

Order (OrderID, Exact Date, CustomerID\*, PartID\*)

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

Customer (CustomerID, Name\*, Address\*, OrderName)

*OrderName represents the Places relationship*

Supplier (SupplierID, Name\*, Address\*, ShipmentName)

*ShipmentName represents the Ships relationship*

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

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