Customers		
PK	CustomerID INT NOT NULL, > 0	
	Name VARCHAR(255) NOT NULL	
	Email VARCHAR(255) NOT NULL UNIQUE	
	Phone VARCHAR(255) NOT NULL	
	Address VARCHAR(255) NOT NULL	
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Orders		
OrderID INT NOT NULL, > 0		
CustomerID INT NOT NULL, > 0		
OrderDate DATE NOT NULL		
TotalPrice DECIMAL(10, 2) NOT NULL, >= 0.00		
Status VARCHAR(255) NOT NULL		
PaymentStatus VARCHAR(255) NOT NULL		

Payments			
PK	PaymentID INT NOT NULL, > 0		
FK	OrderID INT NOT NULL, > 0		
	Amount DECIMAL(10, 2) NOT NULL, >= 0.00		
	PaymentDate DATE NOT NULL		
	Method VARCHAR(255) NOT NULL		
	'		

Suppliers		
PK	SupplierID INT NOT NULL, > 0	
	Name VARCHAR(255) NOT NULL	
	ContactName VARCHAR(255) NOT NULL	
	Email VARCHAR(255) NOT NULL UNIQUE	
	Phone VARCHAR(255) NOT NULL	
	Address VARCHAR(255) NOT NULL	
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Products		
PK	ProductID INT NOT NULL, > 0	
FK	SupplierID INT NOT NULL, > 0	
	Name VARCHAR(255) NOT NULL	
	Description VARCHAR(255) NOT NULL	
	Quantity INT NOT NULL, >= 0	
	Price DECIMAL(10, 2) NOT NULL, >= 0.00	
	SupplyPrice DECIMAL(10, 2) NOT NULL, >= 0.00	
	Expiration VARCHAR(255) NOT NULL	

OrderLines		
PK	OrderLineID INT NOT NULL, > 0	
FK1	OrderID INT NOT NULL, > 0	
FK2	ProductID INT NOT NULL, > 0	
	Quantity INT NOT NULL, > 0	
	PriceAtPurchase DECIMAL(10, 2) NOT NULL, >= 0.00	

## Relationships

- Customers to Orders: One-to-Many. A customer can have multiple orders, but each order is linked to a single customer. This is depicted by a link from Customers (CustomerID) to Orders (CustomerID).
- Suppliers to Products: One-to-Many. A supplier can supply multiple products, but each product is supplied by a single supplier. This relationship is represented by linking Suppliers (SupplierID) to Products (SupplierID).
- Orders to Order Lines: One-to-Many. An order can consist of multiple order lines, each representing a product in the order. An Order Line maps to a unique Order. Orders (OrderID) link to OrderLines (OrderID).
- Products to Order Lines: One-to-Many. A product can appear in multiple order lines (across different orders), but each order line refers to a single product. This is shown by the link from Products (ProductID) to Order Lines (ProductID).
- Orders to Payments: One-to-Many. Each order can be associated with multiple payments, allowing for scenarios such as installment payments, deposits followed by final payments, etc. Each payment can only be linked to a unique Order. This relationship is represented by linking Orders (OrderID) to Payments (OrderID).

## Relationship actions and summary

- Customers to Orders: One-to-Many. A customer places multiple orders.
- Suppliers to Products: One-to-Many. A supplier provides multiple products.
- Orders to Order Lines: One-to-Many. An order consists of multiple order lines.
- Products to Order Lines: One-to-Many. A product appears in multiple order lines.
- Orders to Payments: One-to-Many. An order is paid through multiple payments.