Entity-Relationship Diagram (ER Diagram)

Payment
- Payment method
- Amount
- PaymentID (P.K)
- Order ID (f.K)
- Payment Date

Supplier
- SupplierID
- Name
- Contact no

Customer
- CustomerID
- Name
- Address
- Email
- Contact Information
- LoyaltyCardNumber

Product
- ProductID
- Name
- Price
- description
- SupplierID (F.K)

Inventory
- StockLevel
- InventoryID
- ReorderPoint
- ProductID
- SupplierID
- Stock quantity

Order
- OrderID
- Total Price
- CustomerID (f.K)
- Time
- Order date

Employee
- EmployeeID
- Contact Details
- age
- Name
- Salary
- Role
- EmployeeID (f.K)

dependent
- Name
- Gender
- RelationShip

Relationships:
- Supplier — Supply — Product (1 to M)
- Customer — places — Order (1 to M)
- Payment — associate — Order (1 to 1)
- Inventory — related source — Product (1 to 1)
- Order (M) — Order date
- Employee — works on
- Employee — have — dependent

Relational Data Model.

Customer

Customer ID	ContactInformation	LoyaltyCardNumber	Name	Address

Product

ProductID	Name	Description	Price	StockQuantity	SupplierID

Order

OrderID	Order Date	Time	CustomerID	TotalPrice

Payment

PaymentID	PaymentMethod	OrderID	Amount	PaymentDate

Employee

EmployeeID	Name	Role	Salary	Contact Details

Inventory

InventoryID	ProductID	StockLevel	Reorder Point	SupplierID

Supplier

SupplierID	Name	Contact Number

Dependant

EmployeeID	Name	Gender	Relationship	Age