SHOP E-COMMERCE ERD DIAGRAM

CUSTOMERS

PK	CustomerID (INT)
	FirstName (VARCHAR 50)
	LastName (VARCHAR 50)
	Email (VARCHAR 100) [UNIQUE]
	Phone (VARCHAR 15)
	Address (VARCHAR 200)
	City (VARCHAR 50)
	State (VARCHAR 2)
	PostalCode (VARCHAR 10)
	Country (VARCHAR 50)
	CreatedDate (DATE)
	ModifiedDate (DATE)

ORDERS

PK	OrderID (INT)
FK	CustomerID (INT)
	OrderDate (DATE)
	OrderStatus (VARCHAR 20)
	TotalAmount (DECIMAL 12,2)
	CreatedDate (DATE)
	ModifiedDate (DATE)

ORDER_ITEMS

PK	OrderItemID (INT)
FK	OrderID (INT)
FK	ProductID (INT)
	Quantity (INT)
	UnitPrice (DECIMAL 10,2)
	LineTotal (DECIMAL 12,2)

CATEGORIES

PK	CategoryID (INT)
	CategoryName (VARCHAR 100)
	Description (VARCHAR 500)
	IsActive (CHAR 1)

PRODUCTS

PK	ProductID (INT)
FK	CategoryID (INT)
FK	SupplierID (INT)
	ProductName (VARCHAR 150)
	Description (VARCHAR 1000)
	UnitPrice (DECIMAL 10,2)
	QuantityInStock (INT)
	ReorderLevel (INT)
	CreatedDate (DATE)
	ModifiedDate (DATE)

SHIPPING

PK	ShippingID (INT)
FK	OrderID (INT) [UNIQUE]
	ShippingAddress (VARCHAR 200)
	ShippingCity (VARCHAR 50)
	ShippingState (VARCHAR 2)
	ShippingPostalCode (VARCHAR 10)
	ShippingCountry (VARCHAR 50)
	TrackingNumber (VARCHAR 50)
	ShippingDate (DATE)
	EstimatedDeliveryDate (DATE)
	ActualDeliveryDate (DATE)
	ShippingStatus (VARCHAR 20)

PAYMENTS

PK	PaymentID (INT)
FK	OrderID (INT) [UNIQUE]
	PaymentMethod (VARCHAR 20)
	PaymentAmount (DECIMAL 12,2)
	PaymentDate (DATE)
	PaymentStatus (VARCHAR 20)
	TransactionID (VARCHAR 50)

SUPPLIERS

PK	SupplierID (INT)
	SupplierName (VARCHAR 150)
	ContactName (VARCHAR 100)
	Email (VARCHAR 100)
	Phone (VARCHAR 15)
	Address (VARCHAR 200)
	State (VARCHAR 2)
	City (VARCHAR 50)
	PostalCode (VARCHAR 10)
	Country (VARCHAR 50)
	IsActive (CHAR 1)

Relationships:
- CUSTOMERS 1:N ORDERS
- ORDERS 1:N ORDER_ITEMS
- ORDER_ITEMS N:1 PRODUCTS
- CATEGORIES 1:N PRODUCTS
- SUPPLIERS 1:N PRODUCTS
- ORDERS 1:1 SHIPPING
- ORDERS 1:1 PAYMENTS