### 1. Categories

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| CategoryId | int | PRIMARY KEY, IDENTITY |
| CategoryName | nvarchar(100) | NOT NULL |
| CreatedAt | datetime2 | NOT NULL |
| UpdatedAt | datetime2 | NULL |

### 2. DiscountCoupons

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| CouponId | int | PRIMARY KEY, IDENTITY |
| DiscountPercentage | decimal(5,2) | NOT NULL |
| ExpiryDate | datetime2 | NOT NULL |
| IsActive | bit | NOT NULL |

### 3. Roles

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| RoleId | int | PRIMARY KEY, IDENTITY |
| RoleName | nvarchar(max) | NOT NULL |

### 4. SalesReports

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| ReportId | int | PRIMARY KEY, IDENTITY |
| ReportPeriodStart | datetime2 | NOT NULL |
| ReportPeriodEnd | datetime2 | NOT NULL |
| TotalSales | decimal(18,2) | NOT NULL |
| GeneratedAt | datetime2 | NOT NULL |

### 5. Products

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| ProductId | int | PRIMARY KEY, IDENTITY |
| ProductName | nvarchar(max) | NOT NULL |
| Description | nvarchar(max) | NOT NULL |
| Price | decimal(10,2) | NOT NULL |
| Rating | float | NOT NULL |
| StockQuantity | int | NOT NULL |
| CategoryId | int | FOREIGN KEY REFERENCES Categories(CategoryId) ON DELETE CASCADE |
| ImageUrl | nvarchar(max) | NOT NULL |
| CreatedAt | datetime2 | NOT NULL |

### 6. Users

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| UserId | int | PRIMARY KEY, IDENTITY |
| FullName | nvarchar(max) | NOT NULL |
| Email | nvarchar(max) | NOT NULL |
| Address | nvarchar(max) | NOT NULL |
| PasswordHash | nvarchar(max) | NOT NULL |
| NormalPassword | nvarchar(max) | NULL |
| RoleId | int | FOREIGN KEY REFERENCES Roles(RoleId) ON DELETE CASCADE |
| CreatedAt | datetime2 | NOT NULL |

### 7. Carts

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| CartId | int | PRIMARY KEY, IDENTITY |
| UserId | int | FOREIGN KEY REFERENCES Users(UserId) ON DELETE CASCADE |
| ProductId | int | FOREIGN KEY REFERENCES Products(ProductId) ON DELETE CASCADE |
| ProductQuantity | int | NOT NULL |
| Price | decimal(18,2) | NOT NULL |
| TotalAmount | decimal(18,2) | NOT NULL |
| CreatedAt | datetime2 | NOT NULL |
| UpdatedAt | datetime2 | NULL |

### 8. Orders

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| OrderId | int | PRIMARY KEY, IDENTITY |
| UserId | int | FOREIGN KEY REFERENCES Users(UserId) ON DELETE CASCADE |
| CouponId | int | FOREIGN KEY REFERENCES DiscountCoupons(CouponId) |
| TotalAmount | decimal(10,2) | NOT NULL |
| DiscountAmount | decimal(10,2) | NULL |
| FinalAmount | decimal(10,2) | NOT NULL |
| Address | nvarchar(max) | NULL |
| OrderStatus | int | NOT NULL |
| CreatedAt | datetime2 | NOT NULL |
| SalesReportReportId | int | FOREIGN KEY REFERENCES SalesReports(ReportId) |

### 9. UserCoupons

| Column Name | Data Type | Constraints |
| --- | --- | --- |
| UserCouponId | int | PRIMARY KEY, IDENTITY |

| Column Name | Data Type | Constraints |
|---|---|---|
| UserId | int | FOREIGN KEY REFERENCES Users(UserId) ON DELETE CASCADE |
| CouponId | int | FOREIGN KEY REFERENCES DiscountCoupons(CouponId) ON DELETE CASCADE |
| IsUsed | bit | NOT NULL |

**10. Wishlists**

| Column Name | Data Type | Constraints |
|---|---|---|
| WishlistId | int | PRIMARY KEY, IDENTITY |
| UserId | int | FOREIGN KEY REFERENCES Users(UserId) ON DELETE CASCADE |
| ProductId | int | FOREIGN KEY REFERENCES Products(ProductId) ON DELETE CASCADE |
| CreatedAt | datetime2 | NULL |

**11. OrderItems**

| Column Name | Data Type | Constraints |
|---|---|---|
| OrderItemId | int | PRIMARY KEY, IDENTITY |
| OrderId | int | FOREIGN KEY REFERENCES Orders(OrderId) ON DELETE CASCADE |
| ProductId | int | FOREIGN KEY REFERENCES Products(ProductId) ON DELETE CASCADE |
| Price | decimal(10,2) | NOT NULL |
| Quantity | int | NOT NULL |