Shopping Cart DB Schema

1. Category

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID (INT, Auto Increment ) | Name (Varchar(200)) | IsActive (Bit) | CreatedBy (int) | CreatedOn (datetime) | ModifiedBy (int) | ModifiedOn (datetime) |
| 1 | Electronics |  |  |  |  |  |
| 2 | Baby Toys |  |  |  |  |  |
| 3 | Furniture |  |  |  |  |  |
| 4 | Books |  |  |  |  |  |

CREATE TABLE [Category] (

[ID] [int] IDENTITY(1, 1) NOT NULL PRIMARY KEY

,[Name] [varchar](200) NOT NULL

,[IsActive] [bit] NOT NULL DEFAULT(1)

,[CreatedBy] [int] NULL

,[CreatedOn] [datetime] NOT NULL DEFAULT getdate()

,[ModifiedBy] [int] NULL

,[ModifiedOn] [datetime] NOT NULL DEFAULT getdate()

)

1. Product

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Description | Price | CategoryId | CreatedBy | CreatedOn | ModifiedBy | ModifiedOn |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

CREATE TABLE [dbo].[Product] (

[ID] [int] IDENTITY(1, 1) NOT NULL PRIMARY KEY

,[Name] [varchar](200) NOT NULL

,[Description] [varchar](max) NOT NULL

,[Price] [decimal](18, 0) NOT NULL

,[CategoryId] [int] NOT NULL FOREIGN KEY REFERENCES Category(ID)

,[IsActive] [bit] NOT NULL DEFAULT(1)

,[CreatedBy] [int] NULL

,[CreatedOn] [datetime] NOT NULL DEFAULT getdate()

,[ModifiedBy] [int] NULL

,[ModifiedOn] [datetime] NOT NULL DEFAULT getdate()

)

1. Customer Role

|  |  |  |
| --- | --- | --- |
| ID | Role | IsActive |
| 1 | Admin | 1 |
| 2 | Customer | 1 |

INSERT INTO CustomerRole (RoleName)

VALUES ('Customer')

1. Customer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Email | Password | Phone | RoleId | IsActive |
| 1 | admin | [admin@g.com](mailto:admin@g.com) | admin | 1231121 | 1 | 1 |
| 2 | customer | [customer@g.com](mailto:customer@g.com) | customer | 6756575 | 2 | 1 |
|  |  |  |  |  |  |  |

CREATE TABLE Customer (

ID INT IDENTITY(1, 1) NOT NULL PRIMARY KEY

,NAME VARCHAR(200) NOT NULL

,Email VARCHAR(200) NOT NULL

,[Password] varchar(50) NOT NULL

,Phone VARCHAR(10) NOT NULL

,RoleID INT FOREIGN KEY REFERENCES CustomerRole(ID)

,IsActive BIT default(1)

,[CreatedBy] [int] NULL

,[CreatedOn] [datetime] NOT NULL DEFAULT getdate()

,[ModifiedBy] [int] NULL

,[ModifiedOn] [datetime] NOT NULL DEFAULT getdate()

)

INSERT INTO Customer (

NAME

,Email

,Password

,Phone

,RoleId

)

VALUES (

'Admin'

,'admin@gmail.com'

,'admin'

,'9878786832'

,1

)

INSERT INTO Customer (

NAME

,Email

,Password

,Phone

,RoleId

)

VALUES (

'customer'

,'customer@gmail.com'

,'customer'

,'8776786832'

,2

)

1. Cart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | CustomerId | ProductId | Quantity | UnitPrice |

CREATE TABLE Cart (

ID INT IDENTITY(1, 1) NOT NULL PRIMARY KEY

,ProductId INT FOREIGN KEY REFERENCES Product(ID)

,CustomerId INT FOREIGN KEY REFERENCES Customer(ID)

,Quantity INT NOT NULL

,Price DECIMAL NOT NULL

)

1. ShippingAddress

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Email | Phone | Address1 | Address2 | PinCode | CustomerId |
|  |  |  |  |  |  |  |  |

CREATE TABLE ShippingAddress (

ID INT IDENTITY(1, 1) NOT NULL PRIMARY KEY

,NAME VARCHAR(200) NOT NULL

,Email VARCHAR(200) NOT NULL

,Phone VARCHAR(10) NOT NULL

,Address1 VARCHAR(500) NOT NULL

,Address2 VARCHAR(500) NULL

,STATE VARCHAR(20) NOT NULL

,PinCode INT NOT NULL

,CustomerId INT FOREIGN KEY REFERENCES Customer(ID)

,IsActive BIT DEFAULT(1)

,[CreatedBy] [int] NULL

,[CreatedOn] [datetime] NOT NULL DEFAULT getdate()

,[ModifiedBy] [int] NULL

,[ModifiedOn] [datetime] NOT NULL DEFAULT getdate()

)

1. OrderStatus

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Status | IsActive | CreatedBy | CreatedOn | ModifiedBy | ModifiedOn |
| 1 | Delivered | 1 |  |  |  |  |
| 2 | Cancelled | 1 |  |  |  |  |
| 3 | Refund | 1 |  |  |  |  |
|  |  |  |  |  |  |  |

1. PaymentMode

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Mode | IsActive | CreatedBy | CreatedOn | ModifiedBy | ModifiedOn |
| 1 | COD | 1 |  |  |  |  |
| 2 | NetBanking | 1 |  |  |  |  |
| 3 | Debit | 1 |  |  |  |  |
| 4 | PayTM |  |  |  |  |  |

1. PaymentHistory

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | TransactionId | TransactionStatus | PaymentModeID | CreatedDate |
|  |  |  | 1 |  |
|  |  |  | NetBanking |  |

1. OrderHistory

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | CustomerId | ProductId | Quantity | Price | OrderStatusId | PaymentHistoryId |