

SQL STATEMENT FOR CUSTOMER OPERATION

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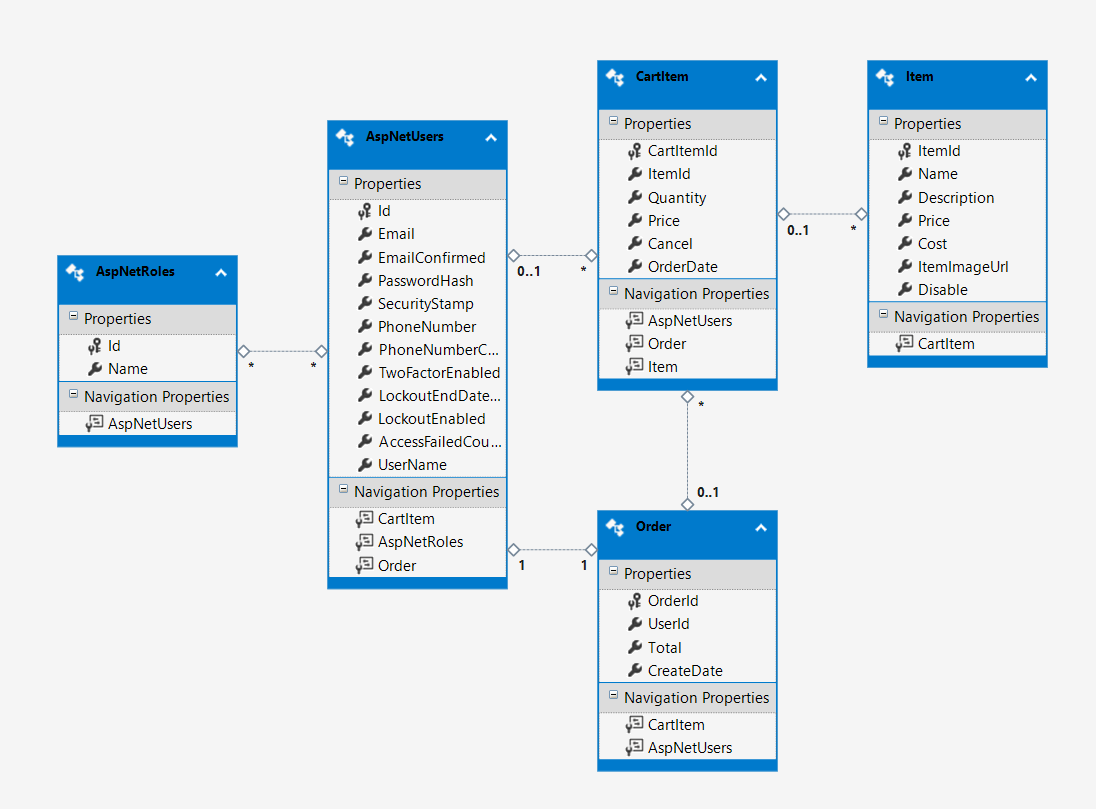


[Date]

[Company name]

[Company address]

# Entity-Relationship (ER) Diagram



# Built-in Identity Table: AspNetRoles

CREATE TABLE [dbo].[AspNetRoles] (

[Id] NVARCHAR (128) NOT NULL,

[Name] NVARCHAR (256) NOT NULL,

CONSTRAINT [PK\_dbo.AspNetRoles] PRIMARY KEY CLUSTERED ([Id] ASC)

);

GO

CREATE UNIQUE NONCLUSTERED INDEX [RoleNameIndex]

ON [dbo].[AspNetRoles]([Name] ASC);

# Built-in Identity Table: AspNetUsers

CREATE TABLE [dbo].[AspNetUsers] (

[Id] NVARCHAR (128) NOT NULL,

[Email] NVARCHAR (256) NULL,

[EmailConfirmed] BIT NOT NULL,

[PasswordHash] NVARCHAR (MAX) NULL,

[SecurityStamp] NVARCHAR (MAX) NULL,

[PhoneNumber] NVARCHAR (MAX) NULL,

[PhoneNumberConfirmed] BIT NOT NULL,

[TwoFactorEnabled] BIT NOT NULL,

[LockoutEndDateUtc] DATETIME NULL,

[LockoutEnabled] BIT NOT NULL,

[AccessFailedCount] INT NOT NULL,

[UserName] NVARCHAR (256) NOT NULL,

CONSTRAINT [PK\_dbo.AspNetUsers] PRIMARY KEY CLUSTERED ([Id] ASC)

);

GO

CREATE UNIQUE NONCLUSTERED INDEX [UserNameIndex]

ON [dbo].[AspNetUsers]([UserName] ASC);

# Built-in Identity Table: Many-to-Many AspNetUsersRoles

CREATE TABLE [dbo].[AspNetUserRoles] (

[UserId] NVARCHAR (128) NOT NULL,

[RoleId] NVARCHAR (128) NOT NULL,

CONSTRAINT [PK\_dbo.AspNetUserRoles] PRIMARY KEY CLUSTERED ([UserId] ASC, [RoleId] ASC),

CONSTRAINT [FK\_dbo.AspNetUserRoles\_dbo.AspNetRoles\_RoleId] FOREIGN KEY ([RoleId]) REFERENCES [dbo].[AspNetRoles] ([Id]) ON DELETE CASCADE,

CONSTRAINT [FK\_dbo.AspNetUserRoles\_dbo.AspNetUsers\_UserId] FOREIGN KEY ([UserId]) REFERENCES [dbo].[AspNetUsers] ([Id]) ON DELETE CASCADE

);

GO

CREATE NONCLUSTERED INDEX [IX\_UserId]

ON [dbo].[AspNetUserRoles]([UserId] ASC);

GO

CREATE NONCLUSTERED INDEX [IX\_RoleId]

ON [dbo].[AspNetUserRoles]([RoleId] ASC);

# Application Table CartItem

CREATE TABLE [dbo].[CartItem] (

[CartItemId] INT IDENTITY (1, 1) NOT NULL,

[OrderId] INT NULL,

[ItemId] INT NOT NULL,

[Quantity] INT NOT NULL,

[Price] DECIMAL (18, 2) NOT NULL,

[UserId] NVARCHAR (128) NULL,

[Cancel] BIT DEFAULT ((0)) NOT NULL,

[OrderDate] DATETIME DEFAULT ('1900-01-01T00:00:00.000') NOT NULL,

CONSTRAINT [PK\_dbo.CartItem] PRIMARY KEY CLUSTERED ([CartItemId] ASC),

CONSTRAINT [FK\_dbo.CartItem\_dbo.AspNetUsers\_UserId] FOREIGN KEY ([UserId]) REFERENCES [dbo].[AspNetUsers] ([Id]),

CONSTRAINT [FK\_dbo.CartItem\_dbo.Order\_OrderId] FOREIGN KEY ([OrderId]) REFERENCES [dbo].[Order] ([OrderId])

);

GO

CREATE NONCLUSTERED INDEX [IX\_OrderId]

ON [dbo].[CartItem]([OrderId] ASC);

GO

CREATE NONCLUSTERED INDEX [IX\_UserId]

ON [dbo].[CartItem]([UserId] ASC);

# Application Table Item

CREATE TABLE [dbo].[Item] (

[ItemId] INT IDENTITY (1, 1) NOT NULL,

[Name] NVARCHAR (MAX) NULL,

[Description] NVARCHAR (MAX) NULL,

[Price] DECIMAL (18, 2) NOT NULL,

[Cost] DECIMAL (18, 2) NOT NULL,

[ItemImageUrl] NVARCHAR (MAX) NULL,

[CartItem\_CartItemId] INT NULL,

[Disable] BIT DEFAULT ((0)) NOT NULL,

CONSTRAINT [PK\_dbo.Item] PRIMARY KEY CLUSTERED ([ItemId] ASC),

CONSTRAINT [FK\_dbo.Item\_dbo.CartItem\_CartItem\_CartItemId] FOREIGN KEY ([CartItem\_CartItemId]) REFERENCES [dbo].[CartItem] ([CartItemId])

);

GO

CREATE NONCLUSTERED INDEX [IX\_CartItem\_CartItemId]

ON [dbo].[Item]([CartItem\_CartItemId] ASC);

# Application Table Order

CREATE TABLE [dbo].[Order] (

[OrderId] INT IDENTITY (1, 1) NOT NULL,

[UserId] NVARCHAR (128) NULL,

[Total] DECIMAL (18, 2) NOT NULL,

[CreateDate] DATETIME NOT NULL,

CONSTRAINT [PK\_dbo.Order] PRIMARY KEY CLUSTERED ([OrderId] ASC)

);

GO

CREATE NONCLUSTERED INDEX [IX\_UserId]

ON [dbo].[Order]([UserId] ASC);