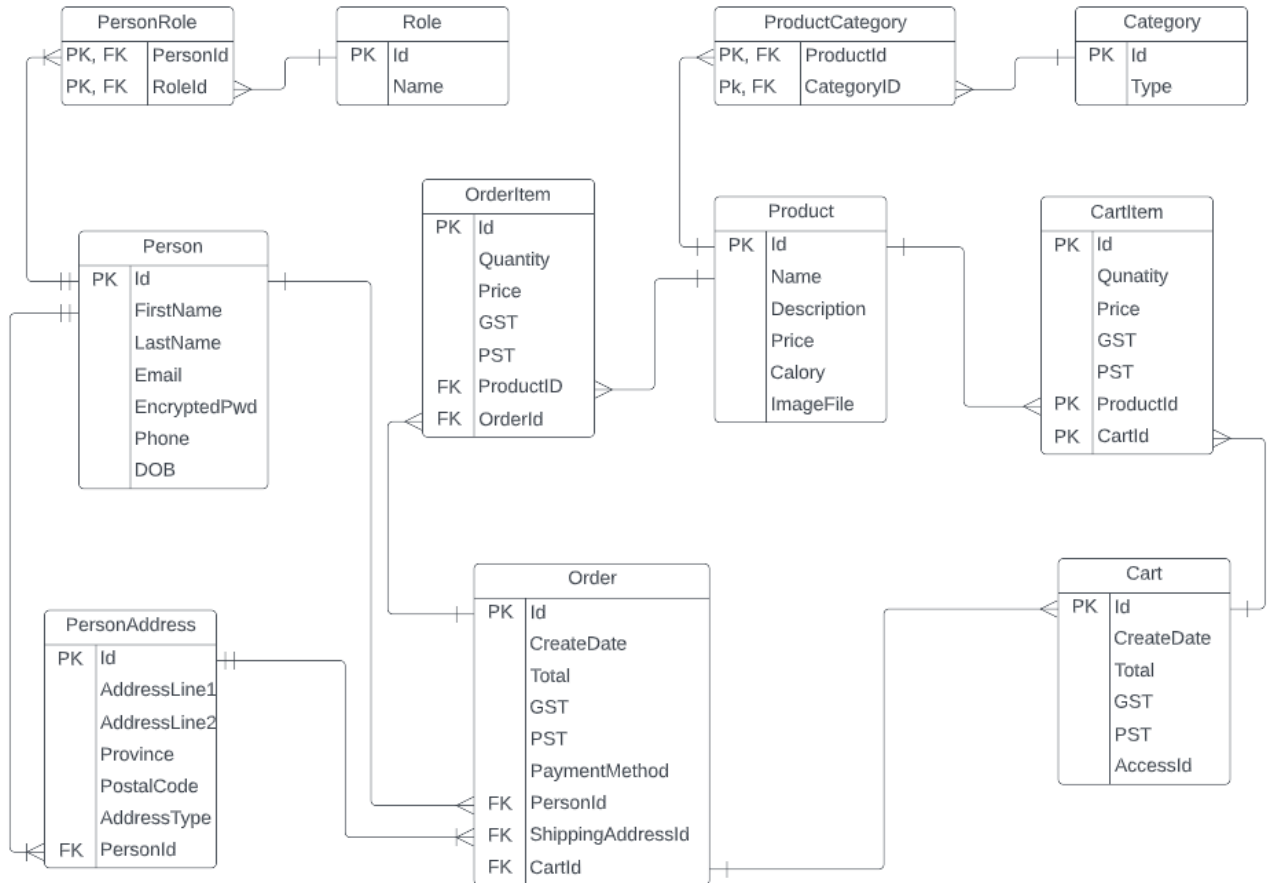


Bakery Order App

Ahmed Hasan

DataBase Model



SQL Server Scripts

DROP TABLE Person

DROP TABLE Role

DROP TABLE PersonRole

DROP TABLE PersonAddress

DROP TABLE Product

DROP TABLE Category

DROP TABLE ProductCategory

DROP TABLE Cart

DROP TABLE CartItem

DROP TABLE Order1

DROP TABLE OrderItem

CREATE TABLE Person

```
(
    Id int NOT NULL,
    FirstName nvarchar(50) NOT NULL,
    LastName nvarchar(50) NOT NULL,
    Email nvarchar(50) NOT NULL,
    EncryptedPwd nvarchar(50) NOT NULL,
    Phone nvarchar(10) NOT NULL,
    DOB datetime NOT NULL,
    CONSTRAINT PK_Person PRIMARY KEY(Id)
)
```

CREATE TABLE Role

```
(
    Id int NOT NULL,
    Name nvarchar(50) NOT NULL,
    CONSTRAINT PK_Role PRIMARY KEY(Id)
)
```

CREATE TABLE PersonRole

```
(
    PersonId int NOT NULL,
    RoleId int NOT NULL,
    CONSTRAINT PK_PersonRole PRIMARY KEY(PersonId, RoleId),
    CONSTRAINT FK_PersonRole_Person FOREIGN KEY(PersonId) REFERENCES Person(Id),
    CONSTRAINT FK_PersonRole_Role FOREIGN KEY(RoleId) REFERENCES Role(Id)
)
```

```
CREATE TABLE PersonAddress
(
    Id int NOT NULL,
    AddressLine1 nvarchar(50) NOT NULL,
    AddressLine2 nvarchar(50) NOT NULL,
    Province nvarchar(20) NOT NULL,
    PostalCode nvarchar(10) NOT NULL,
    AddressType int NOT NULL,
    PersonId int NOT NULL,
    CONSTRAINT PK_PerspnAddress PRIMARY KEY (Id),
    CONSTRAINT FK_PersonAddress_Person FOREIGN KEY(PersonId) REFERENCES Person(Id)
)
```

```
CREATE TABLE Product
(
    Id int NOT NULL,
    Name nvarchar(30) NOT NULL,
    Price real NOT NULL,
    Calory int NOT NULL,
    Description nvarchar(200) NOT NULL,
    ImageFile nvarchar(50) NOT NULL,
    CONSTRAINT PK_Product PRIMARY KEY(Id)
)
```

```
CREATE TABLE Category
(
    Id int NOT NULL,
    Type int NOT NULL,
    CONSTRAINT PK_Category PRIMARY KEY(Id)
)
```

```
CREATE TABLE ProductCategory
(
    ProductId int NOT NULL,
    CategoryId int NOT NULL,
    CONSTRAINT PK_ProductCategory PRIMARY KEY(ProductId, CategoryId),
    CONSTRAINT FK_ProductCategory_Product FOREIGN KEY(ProductId) REFERENCES Product(Id),
    CONSTRAINT FK_ProductCategory_Category FOREIGN KEY(CategoryId) REFERENCES Category(Id)
)
```

```
CREATE TABLE Cart
(
    Id int NOT NULL,
    CreateDate datetime NOT NULL,
    Total real NOT NULL,
    GST real NOT NULL,
    PST real NOT NULL,
    AccessId int NOT NULL,
    CONSTRAINT PK_Cart PRIMARY KEY (Id)
)
```

CREATE TABLE Order1

```
(
    Id int NOT NULL,
    CreateDate datetime NOT NULL,
    Total real NOT NULL,
    GST real NOT NULL,
    PST real NOT NULL,
    PersonId int NOT NULL,
    ShippingAddressId int NOT NULL,
    CartId int NOT NULL,
    CONSTRAINT PK_Order PRIMARY KEY (Id),
    CONSTRAINT FK_Order_Person FOREIGN KEY(PersonId) REFERENCES Person(Id),
    CONSTRAINT FK_Order_PersonAddress FOREIGN KEY(ShippingAddressId) REFERENCES PersonAddress(Id),
    CONSTRAINT FK_Order_Cart FOREIGN KEY(CartId) REFERENCES Cart(Id)
)
```

CREATE TABLE CartItem

```
(
    Id int NOT NULL,
    Quantity int NOT NULL,
    Price real NOT NULL,
    GST real NOT NULL,
    PST real NOT NULL,
    ProductId int NOT NULL,
    CartId int NOT NULL,
    CONSTRAINT PK_CartItem PRIMARY KEY (Id),
    CONSTRAINT FK_CartItem_Product FOREIGN KEY(ProductId) REFERENCES Product(Id),
    CONSTRAINT FK_CartItem_Order FOREIGN KEY(CartId) REFERENCES Cart(Id)
)
```

CREATE TABLE OrderItem

```
(
    Id int NOT NULL,
    Quantity int NOT NULL,
    Price real NOT NULL,
    GST real NOT NULL,
    PST real NOT NULL,
    ProductId int NOT NULL,
    OrderId int NOT NULL,
    CONSTRAINT PK_OrderItem PRIMARY KEY (Id),
    CONSTRAINT FK_OrderItem_Product FOREIGN KEY(ProductId) REFERENCES Product(Id),
    CONSTRAINT FK_OrderItem_Order FOREIGN KEY(OrderId) REFERENCES Order1(Id)
)
```

```
INSERT INTO Person (Id, FirstName, LastName, Email, EncryptedPwd, Phone, DOB)
VALUES (1,'Ahmed', 'Hasan', 'amhasan@yahoo.com','PPPPPPP','3069147136','20120618 10:34:09 AM')
INSERT INTO Person (Id, FirstName, LastName, Email, EncryptedPwd, Phone, DOB)
VALUES (2,'Zoya', 'Hasan', 'zoya@yahoo.com','PPPPPPP','3069147136','20140618 10:34:09 AM')
```

```
SELECT * FROM Person;
```

```
INSERT INTO Role (Id, Name)
Values (1, 'Admin')
INSERT INTO Role (Id, Name)
values (2, 'Customer');
```

```
SELECT * FROM Role;
```

```
INSERT INTO PersonRole (PersonId, RoleId)
VALUES (1,1)
INSERT INTO PersonRole (PersonId, RoleId)
VALUES (1,2)
INSERT INTO PersonRole (PersonId, RoleId)
VALUES (2,2)
```

```
SELECT * FROM PersonRole
```

```
INSERT INTO PersonAddress (Id, AddressLine1, AddressLine2, Province, PostalCode, AddressType,PersonId)
VALUES (1,'210 Lindsay Place','Unit 6','SK','S7H 1E4',1,1)
INSERT INTO PersonAddress (Id, AddressLine1, AddressLine2, Province, PostalCode, AddressType,PersonId)
VALUES (2,'212 Lindsay Place','Unit ','SK','S7H 1E6',2,2)
```

```
SELECT * FROM PersonAddress
```

```
INSERT INTO Product (Id, Name, Price, Calory, Description, ImageFile)
VALUES (1,'Gourmet Hamburger Bun', 1.00, 260,'For those serious about grilling, our Gourmet Hamburger Buns are richer and more full-flavoured than your average bun.','1.jpg')
INSERT INTO Product (Id, Name, Price, Calory, Description, ImageFile)
VALUES (3, 'Mini Cinnamon Bun - 6 Pack', 8.25, 180, 'A mini version of our classic cinnamon buns, these sticky spirals are made with real butter and deliver the gooey cinnamon taste','3.jpg')
INSERT INTO Product (Id, Name, Price, Calory, Description, ImageFile)
VALUES (5,'White Dinner Roll',0.55, 70, 'Their small size and soft crust makes our White Dinner Roll the ideal accompaniment to any meal.','5.jpg')
INSERT INTO Product (Id, Name, Price, Calory, Description, ImageFile)
VALUES (7,'Whole Wheat Round Bun',0.75, 150,'Made with 100% whole grain flour and high in fibre, the Whole Wheat round bun is a health-friendly classic.','7.jpg')
```

```
SELECT * FROM Product
```

```
INSERT INTO Category (Id, Type)
VALUES (1, 1)
INSERT INTO Category (Id, Type)
VALUES (2, 2)
INSERT INTO Category (Id, Type)
VALUES (3, 3)
INSERT INTO Category (Id, Type)
VALUES (10, 10)
INSERT INTO Category (Id, Type)
VALUES (11, 11)
INSERT INTO Category (Id, Type)
VALUES (12, 12)
```

```
SELECT * FROM Category
```

```
INSERT INTO ProductCategory (ProductId, CategoryId)
```

```
VALUES (1,1)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (3,1)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (5,1)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (7,1)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (1,12)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (3,11)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (5,12)
INSERT INTO ProductCategory (ProductId, CategoryId)
VALUES (7,12)

SELECT * FROM ProductCategory
```