CREATE DATABASE BurgerMakerDb;

GO

USE BurgerMakerDb;

GO

CREATE TABLE Users

(

Id INT IDENTITY PRIMARY KEY,

Username NVARCHAR(130) NOT NULL,

PasswordHash NVARCHAR(200) NOT NULL,

PasswordSalt NVARCHAR(200) NOT NULL,

CONSTRAINT UC\_Users\_Username UNIQUE (Username)

);

GO

CREATE TABLE IngredientTypes

(

Id INT IDENTITY PRIMARY KEY,

[Type] NVARCHAR(200) NOT NULL,

CONSTRAINT UC\_IngredientTypes\_Type UNIQUE ([Type]),

);

CREATE TABLE Ingredients

(

Id INT IDENTITY PRIMARY KEY,

[Name] NVARCHAR(100) NOT NULL,

IngredientTypeId INT NOT NULL,

CONSTRAINT FK\_Ingredients\_IngredientTypes FOREIGN KEY (IngredientTypeId)

REFERENCES IngredientTypes(Id)

);

CREATE TABLE Buns

(

Id INT IDENTITY PRIMARY KEY,

[Type] NVARCHAR(100) NOT NULL,

CONSTRAINT UC\_Buns\_Type UNIQUE ([Type])

);

GO

CREATE TABLE Burgers

(

Id INT IDENTITY PRIMARY KEY,

[Name] NVARCHAR(100) NOT NULL,

BunsId INT NOT NULL,

UserId INT NOT NULL,

CONSTRAINT FK\_Burgers\_Users FOREIGN KEY (UserId)

REFERENCES Users(Id),

CONSTRAINT FK\_Burgers\_Buns FOREIGN KEY (BunsId)

REFERENCES Buns(Id)

);

GO

CREATE TABLE BurgerIngredients

(

BurgerId INT NOT NULL,

IngredientId INT NOT NULL,

CONSTRAINT FK\_BurgerIngredients\_Burgers FOREIGN KEY (BurgerId)

REFERENCES Burgers(Id),

CONSTRAINT FK\_BurgerIngredients\_Ingredients FOREIGN KEY (IngredientId)

REFERENCES Ingredients(Id),

CONSTRAINT PK\_BurgerIngredients PRIMARY KEY(BurgerId, IngredientId)

);

GO

INSERT INTO IngredientTypes([Type])

VALUES ('Meats');

INSERT INTO IngredientTypes([Type])

VALUES ('Sauces');

INSERT INTO IngredientTypes([Type])

VALUES ('Vegetables');

GO

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('beef', 1);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('lamb', 1);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('goat', 1);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('bison', 1);

GO

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('ketchup', 2);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('mayonnaise', 2);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('mustard', 2);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('chilli', 2);

GO

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('lettuce', 3);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('onion', 3);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('cucumber', 3);

INSERT INTO Ingredients([Name], IngredientTypeId)

VALUES ('tomato', 3);

GO

INSERT INTO Buns([Type])

VALUES ('sesame seed');

INSERT INTO Buns([Type])

VALUES ('white');

INSERT INTO Buns([Type])

VALUES ('black');