-- Roles Table

CREATE TABLE Roles (

RoleID INT PRIMARY KEY IDENTITY(1,1),

RoleName NVARCHAR(50) NOT NULL

);

-- Users Table

CREATE TABLE Users (

UserID INT PRIMARY KEY IDENTITY(1,1),

Username NVARCHAR(50) NOT NULL,

Password NVARCHAR(100) NOT NULL,

Email NVARCHAR(50) NULL,

PhoneNumber NVARCHAR(20) NULL,

Address NVARCHAR(50) NULL,

RoleID INT FOREIGN KEY REFERENCES Roles(RoleID),

CreatedAt DATETIME DEFAULT GETDATE(),

Avatar NVARCHAR(255) NULL

);

-- CategoriesTips Table

CREATE TABLE CategoriesTips (

CategoryTipID INT PRIMARY KEY IDENTITY(1,1),

CategoryName NVARCHAR(50) NOT NULL,

Image NVARCHAR(255) NULL

);

-- CategoriesRecipes Table

CREATE TABLE CategoriesRecipes (

CategoryRecipeID INT PRIMARY KEY IDENTITY(1,1),

CategoryName NVARCHAR(50) NOT NULL,

Image NVARCHAR(255) NULL

);

-- Recipes Table

CREATE TABLE Recipes (

RecipeID INT PRIMARY KEY IDENTITY(1,1),

UserID INT FOREIGN KEY REFERENCES Users(UserID),

CategoryRecipeID INT FOREIGN KEY REFERENCES CategoriesRecipes(CategoryRecipeID) not NULL,

Title NVARCHAR(100) NOT NULL,

Ingredients NVARCHAR(MAX) NOT NULL,

[Procedure] NVARCHAR(MAX) NOT NULL,

IsMembershipOnly BIT NOT NULL DEFAULT 0, -- 0 for general, 1 for membership only,

CreatedAt DATETIME DEFAULT GETDATE(),

Status bit,

Image NVARCHAR(255) NULL

);

-- Tips Table

CREATE TABLE Tips (

TipID INT PRIMARY KEY IDENTITY(1,1),

UserID INT FOREIGN KEY REFERENCES Users(UserID),

CategoryTipID INT FOREIGN KEY REFERENCES CategoriesTips(CategoryTipID) not NULL,

Title NVARCHAR(100) NOT NULL,

Content NVARCHAR(MAX) NOT NULL,

IsMembershipOnly BIT NOT NULL DEFAULT 0, -- 0 for general, 1 for membership only

CreatedAt DATETIME DEFAULT GETDATE(),

Status bit,

Image NVARCHAR(255) NULL

);

-- Contests Table

CREATE TABLE Contests (

ContestID INT PRIMARY KEY IDENTITY(1,1),

AdminID INT FOREIGN KEY REFERENCES Users(UserID),

Title NVARCHAR(100) NOT NULL,

Guidelines NVARCHAR(MAX) NOT NULL,

StartDate DATETIME NOT NULL,

EndDate DATETIME NOT NULL,

IsActive BIT NOT NULL DEFAULT 1, -- 0 for inactive, 1 for active

CreatedAt DATETIME DEFAULT GETDATE(),

Image NVARCHAR(255) NULL

);

-- ContestEntries Table

CREATE TABLE ContestEntries (

EntryID INT PRIMARY KEY IDENTITY(1,1),

ContestID INT FOREIGN KEY REFERENCES Contests(ContestID),

UserID INT FOREIGN KEY REFERENCES Users(UserID),

RecipeID INT FOREIGN KEY REFERENCES Recipes(RecipeID),

CreatedAt DATETIME DEFAULT GETDATE(),

Score INT NULL,

Image NVARCHAR(255) NULL

);

-- Announcements Table

CREATE TABLE Announcements (

AnnouncementID INT PRIMARY KEY IDENTITY(1,1),

Winner INT FOREIGN KEY REFERENCES Users(UserID),

ContestID INT FOREIGN KEY REFERENCES Contests(ContestID),

Content NVARCHAR(MAX) NOT NULL,

Title NVARCHAR(100) NOT NULL,

DatePost DATETIME DEFAULT GETDATE(),

Image NVARCHAR(255) NULL

);

-- Books Table

CREATE TABLE Books (

BookID INT PRIMARY KEY IDENTITY(1,1),

Title NVARCHAR(100) NOT NULL,

Author NVARCHAR(50) NOT NULL,

Price DECIMAL(10, 2) NOT NULL,

StockQuantity INT NOT NULL,

CreatedAt DATETIME DEFAULT GETDATE()

);

-- Orders Table

CREATE TABLE Orders (

OrderID INT PRIMARY KEY IDENTITY(1,1),

UserID INT FOREIGN KEY REFERENCES Users(UserID),

Quantity INT NOT NULL,

TotalPrice DECIMAL(10, 2) NOT NULL,

OrderDate DATETIME DEFAULT GETDATE()

);

-- OrderDetails Table

CREATE TABLE OrderDetails (

OrderDetailID INT PRIMARY KEY IDENTITY(1,1),

OrderID INT FOREIGN KEY REFERENCES Orders(OrderID),

BookID INT FOREIGN KEY REFERENCES Books(BookID),

Quantity INT NOT NULL,

Subtotal DECIMAL(10, 2) NOT NULL

);

-- Feedback Table

CREATE TABLE Feedback (

FeedbackID INT PRIMARY KEY IDENTITY(1,1),

UserID INT FOREIGN KEY REFERENCES Users(UserID),

Content NVARCHAR(MAX) NOT NULL,

Rating INT CHECK (Rating >= 1 AND Rating <= 5), -- Star rating from 1 to 5

IsAdminFeedback BIT NOT NULL DEFAULT 0, -- 0 for membership, 1 for admin

TipID INT FOREIGN KEY REFERENCES Tips(TipID) NULL, -- Assuming TipID is the primary key for Tips table

RecipeID INT FOREIGN KEY REFERENCES Recipes(RecipeID) NULL, -- Assuming RecipeID is the primary key for Recipes table

CreatedAt DATETIME DEFAULT GETDATE()

);

-- FAQ Table

CREATE TABLE FAQ (

FAQID INT PRIMARY KEY IDENTITY(1,1),

Question NVARCHAR(MAX) NOT NULL,

Answer NVARCHAR(MAX) NOT NULL,

CreatedAt DATETIME DEFAULT GETDATE()

);