CREATE DATABASE DBManager

GO

USE DBManager

GO

drop table Position

drop table User\_Info

drop table Users

-- Create Position table

CREATE TABLE Position (

Pos\_ID INT PRIMARY KEY IDENTITY,

Pos\_Name NVARCHAR(100) UNIQUE,

Level TINYINT

);

-- Create User table

CREATE TABLE Users (

User\_ID INT PRIMARY KEY IDENTITY,

Username VARCHAR(50) NOT NULL UNIQUE,

Password VARCHAR(50) NOT NULL,

User\_Email VARCHAR(50) NOT NULL UNIQUE,

IsEnable TINYINT,

Pos\_ID INT NOT NULL,

FOREIGN KEY (Pos\_ID) REFERENCES Position(Pos\_ID)

);

GO

-- Create User\_Info table

CREATE TABLE User\_Info (

User\_ID INT PRIMARY KEY,

Name NVARCHAR(100),

Birth DATE,

Gender NVARCHAR(3),

Address NVARCHAR(255),

ID\_Card VARCHAR(20),

PhoneNum VARCHAR(10),

FOREIGN KEY (User\_ID) REFERENCES Users(User\_ID)

);

GO

-- Create Notification table

CREATE TABLE Notification (

Noti\_ID INT PRIMARY KEY IDENTITY,

Description NVARCHAR(MAX),

Noti\_time DATETIME2(0),

IsRead TINYINT,

Sender\_ID INT NOT NULL,

Receiver\_ID INT NOT NULL,

FOREIGN KEY (Sender\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Receiver\_ID) REFERENCES Users(User\_ID)

);

GO

-- Create Brand table

CREATE TABLE Brand (

Brand\_ID INT PRIMARY KEY IDENTITY,

Brand\_Name NVARCHAR(255),

Type NVARCHAR(20) CHECK (Type in (N'Ăn uống', N'Mua sắm', N'Quà tặng', N'Làm đẹp', N'Giải trí', N'Du lịch')),

Brand\_Represent NVARCHAR(100),

Status NVARCHAR(50) CHECK ( Status in (N'Đã tạo bài đăng', N'Chưa tạo bài đăng', N'Đã đóng'))

);

GO

-- Create Contract table

CREATE TABLE Contract (

Contract\_ID INT PRIMARY KEY IDENTITY,

Signed\_date DATE,

Duration DATE,

Content NVARCHAR(MAX),

User\_ID INT NOT NULL,

Brand\_ID INT NOT NULL,

FOREIGN KEY (User\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Brand\_ID) REFERENCES Brand(Brand\_ID)

);

GO

-- Create Brand\_Info table

CREATE TABLE Brand\_Info (

Brand\_ID INT PRIMARY KEY,

Phone\_Number VARCHAR(20),

Facebook VARCHAR(MAX),

Introduction NVARCHAR(MAX),

Address NVARCHAR(255),

GOOGLE NVARCHAR(MAX),

FOREIGN KEY (Brand\_ID) REFERENCES Brand(Brand\_ID)

);

GO

-- Create Post table

CREATE TABLE Post (

Post\_ID INT PRIMARY KEY IDENTITY,

Brand\_ID INT NOT NULL,

User\_ID INT NOT NULL,

Content NVARCHAR(MAX),

Upload\_Date DATETIME2(0),

LastChange\_Date DATETIME2(0),

FOREIGN KEY (Brand\_ID) REFERENCES Brand(Brand\_ID),

FOREIGN KEY (User\_ID) REFERENCES Users(User\_ID)

);

GO

-- Create Department table

CREATE TABLE Department (

Department\_ID INT NOT NULL PRIMARY KEY IDENTITY,

Department\_Name NVARCHAR(100)

);

GO

-- Create Department\_Member table

CREATE TABLE Department\_Member (

User\_ID INT PRIMARY KEY,

Department\_ID INT NOT NULL,

IsLeader TINYINT,

FOREIGN KEY (User\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Department\_ID) REFERENCES Department(Department\_ID)

);

GO

-- Create Task table

CREATE TABLE Task (

Task\_ID INT PRIMARY KEY IDENTITY,

Sender\_ID INT NOT NULL,

Department\_ID INT NOT NULL,

Task\_Title NVARCHAR(255),

Task\_Description NVARCHAR(MAX),

Deadline date,

AssignDate date,

IsCompleted TINYINT,

FOREIGN KEY (Sender\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Department\_ID) REFERENCES Department(Department\_ID)

);

GO

-- Create Task\_Detail table

CREATE TABLE Task\_Detail (

TaskDetail\_ID INT PRIMARY KEY IDENTITY,

Sender\_ID INT NOT NULL,

Receiver\_ID INT NOT NULL,

Task\_Title NVARCHAR(255),

Task\_Description NVARCHAR(MAX),

Deadline date,

AssignDate date,

IsCompleted TINYINT,

FOREIGN KEY (Sender\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Receiver\_ID) REFERENCES Users(User\_ID)

);

GO

-- Create Statistical\_Report table

CREATE TABLE Statistical\_Report (

ReportID INT PRIMARY KEY IDENTITY,

Task\_ID INT NOT NULL,

Report\_Content NVARCHAR(MAX),

FOREIGN KEY (Task\_ID) REFERENCES Task(Task\_ID)

);

GO

-- Create Activity\_Log table

CREATE TABLE Activity\_Log (

Act\_ID INT PRIMARY KEY IDENTITY,

User\_ID INT NOT NULL,

Act\_Type NVARCHAR(50),

Content NVARCHAR(MAX),

FOREIGN KEY (User\_ID) REFERENCES Users(User\_ID)

);

GO

-- Create Rate table

CREATE TABLE Rate (

Rate\_ID INT PRIMARY KEY IDENTITY,

Receiver\_ID INT NOT NULL,

Sender\_ID INT NOT NULL,

Rate\_Content NVARCHAR(MAX),

Rate\_Date DATE,

FOREIGN KEY (Receiver\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Sender\_ID) REFERENCES Users(User\_ID)

);

GO

-- Insert data into Position table

DBCC CHECKIDENT (Position', RESEED, -1);

INSERT INTO Position

VALUES ('Employee', 0),

('Leader', 1),

('Manager', 2);

INSERT INTO Users (Username, Password, User\_Email, IsEnable, Pos\_ID)

VALUES ('admin', 'admin123', 'admin@company.com', 1, 0-- Insert data into User\_Info table

INSERT INTO User\_Info (User\_ID, Name, Birth, Gender, Address, ID\_Card, PhoneNum)

VALUES (1,N'Lê Tuấn Kiệt', '1980-01-01', N'Nam', '123 Main St, City', '123456789', '0907243698')

INSERT INTO Department (Department\_Name)

VALUES (N'Ăn uống'),

(N'Du lịch'),

(N'Mua sắm'),

(N'Giải trí'),

(N'Quà tặng'),

(N'Làm đẹp')

-- Insert data into Department\_Member table

INSERT INTO Department\_Member (User\_ID, Department\_ID, IsLeader)

VALUES (1, 1, 1)

CREATE TABLE History\_Brand

(

History\_ID INT IDENTITY PRIMARY KEY,

History\_Time DATETIME2(0),

User\_ID INT NOT NULL,

Brand\_ID INT NOT NULL,

Username VARCHAR(50),

Name NVARCHAR(100),

Contents\_Changed NVARCHAR(MAX),

FOREIGN KEY (User\_ID) REFERENCES Users(User\_ID),

FOREIGN KEY (Brand\_ID) REFERENCES Brand\_Info(Brand\_ID)

)

CREATE PROCEDURE INSERT\_INTO\_HISTORY (@User\_ID INT, @Brand\_ID INT, @Username VARCHAR(50), @Contents\_Changed NVARCHAR(MAX)) AS

BEGIN

DECLARE @Time DATETIME2(0);

SET @Time = DATEADD(HOUR, 7, GETDATE());

DECLARE @Name NVARCHAR(100);

SET @Name = (SELECT Name FROM User\_Info WHERE User\_ID = @User\_ID);

INSERT INTO History\_Brand(History\_Time, User\_ID, Brand\_ID, Username, Name, Contents\_Changed)

VALUES (@Time, @User\_ID, @Brand\_ID, @Username, @Name, @Contents\_Changed)

END;