CREATE DATABASE [Gaag\_Lab1];

GO

use [Gaag\_Lab1];

GO

-- Данные пользователей для входа

CREATE TABLE [Users] (

ID INT PRIMARY KEY,

FullName NVARCHAR(100) NOT NULL,

Phone NVARCHAR(20) NOT NULL,

Email NVARCHAR(40) NOT NULL,

Password NVARCHAR(40) NOT NULL,

AccountType TINYINT NOT NULL -- 0-admin, 1-employee, 2-seller, 3-customer

);

-- Таблица продавцов

CREATE TABLE [Sellers] (

ID INT PRIMARY KEY,

Address NVARCHAR(255),

ITIN BIGINT,

ID INT NOT NULL,

FOREIGN KEY (ID) REFERENCES [Users](ID)

);

-- Таблица товаров

CREATE TABLE [Products] (

ID INT PRIMARY KEY,

ID INT,

Name NVARCHAR(255) NOT NULL,

Price DECIMAL(10,2) NOT NULL,

Category NVARCHAR(50),

Rating INT,

Description NTEXT,

FOREIGN KEY (ID) REFERENCES [Sellers](ID)

);

-- Таблица пунктов выдачи

CREATE TABLE [PickupPoints] (

ID INT PRIMARY KEY,

Name NVARCHAR(100) NOT NULL,

Address NVARCHAR(255),

Phone NVARCHAR(20),

WorkingHours NVARCHAR(11),

Rating DECIMAL(2,1)

);

-- Таблица клиентов

CREATE TABLE [Customers] (

ID INT PRIMARY KEY,

CardNumber NVARCHAR(19),

ID INT NOT NULL,

FOREIGN KEY (ID) REFERENCES [Users](ID)

);

-- Таблица сотрудников

CREATE TABLE [Employees] (

ID INT PRIMARY KEY,

Position NVARCHAR(50),

Salary DECIMAL(10,2),

ID INT NULL,

ID INT NOT NULL,

FOREIGN KEY (ID) REFERENCES [PickupPoints] (ID) ON DELETE SET NULL,

FOREIGN KEY (ID) REFERENCES [Users](ID)

);

-- Таблица заказов

CREATE TABLE [Orders] (

ID INT PRIMARY KEY,

ID INT NULL,

ID INT NULL,

OrderDate DATE,

TotalAmount DECIMAL(10,2),

FOREIGN KEY (ID) REFERENCES [Customers] (ID) ON DELETE SET NULL,

FOREIGN KEY (ID) REFERENCES [Employees] (ID) ON DELETE SET NULL

);

-- Таблица содержащая связь между заказами и товарами в заказе

CREATE TABLE [OrderDetails] (

ID INT PRIMARY KEY,

ID INT,

ID INT,

ID INT NULL,

Quantity INT,

FOREIGN KEY (ID) REFERENCES [Orders] (ID),

FOREIGN KEY (ID) REFERENCES [Products] (ID),

FOREIGN KEY (ID) REFERENCES [PickupPoints] (ID) ON DELETE SET NULL

);