CREATE DATABASE EstateSystem;

CREATE TABLE Categories (

category\_id INT PRIMARY KEY IDENTITY,

category\_name NVARCHAR(100)

);

CREATE TABLE Properties (

property\_id INT PRIMARY KEY IDENTITY,

category\_name NVARCHAR(100),

neighborhood NVARCHAR(100),

area INT,

zoning\_status NVARCHAR(100),

floor\_count INT,

building\_age INT,

availability DATE,

house\_facade NVARCHAR(100),

earthquake\_resistant NVARCHAR(3),

ad\_no NVARCHAR(50),

category\_id INT

);

CREATE TABLE Pictures (

picture\_id INT PRIMARY KEY IDENTITY,

image\_url NVARCHAR(255),

number\_of\_rooms INT

);

CREATE TABLE Advertisement (

ad\_id INT PRIMARY KEY IDENTITY,

availability DATE,

ad\_date DATE,

ad\_agency NVARCHAR(100),

picture\_id INT,

property\_id INT

);

CREATE TABLE Agents (

agent\_id INT PRIMARY KEY IDENTITY,

name NVARCHAR(100),

agency\_name NVARCHAR(100),

agency\_address NVARCHAR(255),

license\_number NVARCHAR(50),

phone NVARCHAR(20)

);

CREATE TABLE Contracts (

contracts\_id INT PRIMARY KEY IDENTITY,

contract\_type NVARCHAR(100),

contract\_date DATE,

duration INT,

agent\_id INT,

property\_id INT

);

CREATE TABLE Users (

user\_id INT PRIMARY KEY IDENTITY,

username NVARCHAR(100),

password NVARCHAR(100),

email NVARCHAR(100),

phone\_number NVARCHAR(20),

registration\_date DATE,

location NVARCHAR(255)

);

CREATE TABLE Price (

price\_id INT PRIMARY KEY IDENTITY,

amount DECIMAL(18, 2),

payment\_date DATE,

currency NVARCHAR(3),

payment\_method NVARCHAR(50),

ad\_id INT

);

CREATE TABLE Visits (

visit\_id INT PRIMARY KEY IDENTITY,

visit\_date DATE,

feedback NVARCHAR(MAX),

visitor\_ip NVARCHAR(50),

visitor\_location NVARCHAR(255),

ad\_id INT,

user\_id INT

);

-- Example Data Insertion

INSERT INTO Properties (property\_id, category\_name, neighborhood, area, zoning\_status, floor\_count, building\_age, availability, house\_facade, earthquake\_resistant, category\_id)

VALUES

(1, 'Arsa', 'Turgut Özal', 120, 'var', NULL, NULL, 'Satılık', 'Güney', NULL, 4),

(2, 'Konut', 'Özalper', 300, 'yok', 2, 50, 'Kiralık', 'Güney Doğu', 'Evet', 2),

(3, 'Daire', 'Bostan başı', 120, 'yok', 15, 2, 'Satılık', NULL, 'Evet', 3),

(4, 'Tarım Arazi', 'Tohma', 110, 'yok', NULL, NULL, 'Satılık', 'Kuzey', NULL, 1),

(5, 'Daire', 'Koyunoğlu', 1555, 'yok', 5, 20, 'Kiralık', 'Kuzey Batı', 'Evet', 7),

(6, 'Konut', 'Boztepe', NULL, 'yok', NULL, NULL, 'Kiralık', NULL, 'Hayır', 2),

(7, 'Tarla', 'Bahri', 2563, 'var', 2, 50, 'Satılık', 'Kuzey Doğu', NULL, 1),

(8, 'İş Yeri', 'Sıtmapınarı', 9632, 'yok', NULL, 5, 'Kiralık', 'Güney Batı', 'Bilinmiyor', 9),

(9, 'Ofis', 'Tecde', 3265, 'yok', NULL, NULL, 'Satılık', NULL, 'Evet', 8);

INSERT INTO Categories (category\_id, category\_name)

VALUES

(1, 'Tarla'),

(2, 'Konut'),

(3, 'Daire'),

(4, 'Arsa'),

(7, 'Depreme Dayanıklı'),

(8, 'Ofis'),

(9, 'İş Yeri');

INSERT INTO Pictures (picture\_id, image\_url, number\_of\_rooms)

VALUES

(1, 'plot1.jpg', NULL),

(2, 'house1.jpg', 5),

(3, 'house2.jpg', 4),

(4, 'land1.jpg', NULL),

(5, 'house3.jpg', 3),

(6, 'house4.jpg', 6),

(7, 'office1.jpg', 4),

(8, 'business\_place.jpg', 3),

(9, 'land2.jpg', NULL);

INSERT INTO Advertisement (ad\_id, availability, ad\_date, ad\_agency, picture\_id, property\_id)

VALUES

(1, 'Satılık', '2022-12-02', 'Tebessüm', 3, 5),

(2, 'Kiralık', '2022-10-05', 'Kale', 4, 7),

(3, 'Satılık', '2021-08-03', 'Yüzaltı', 5, 2),

(4, 'Satılık', '2023-02-24', 'Irmak', 2, 2),

(5, 'Kiralık', '2023-12-12', 'Tebessüm', 6, 6),

(6, 'Satılık', '2023-09-10', 'Irmak', 8, 8),

(7, 'Satılık', '2023-12-12', 'Yüzaltı', 7, 9),

(8, 'Kiralık', '2024-06-02', 'Tebessüm', 9, 4);

INSERT INTO Agents (agent\_id, name, agency\_name, agency\_address, phone, license\_number)

VALUES

(1, 'Osman Hamdi', 'Yüzaltı', 'Yeşilyurt/Malatya', '05012026563', '5444'),

(2, 'Arzu Alıcı', 'Tebessüm', 'Battalgazi/Malatya', '05010196225', '2344'),

(3, 'Leyla Akdağ', 'Irmak', 'Yeşilyurt/Malatya', '05012569887', '1256'),

(4, 'Bahar Kaya', 'Kale', 'Battalgazi/Malatya', '05012364578', '5623'),

(5, 'Deniz Polat', 'Prestij', 'Battalgazi/Malatya', '05012547896', '2536');

INSERT INTO Contracts (contracts\_id, contract\_type, contract\_date, duration, agent\_id, property\_id)

VALUES

(1, 'Satış', '2023-06-15', NULL, 5, 9),

(2, NULL, NULL, NULL, 4, 7),

(3, NULL, NULL, NULL, 3, 6),

(4, 'Satış', '2023-12-08', NULL, 2, 2),

(5, 'Kiralama', '2024-05-01', 5, 5, 5),

(6, 'Kiralama', '2024-10-11', 4, 4, 4),

(7, 'Satış', '2024-02-12', NULL, 3, 8),

(8, 'Kiralama', '2024-08-07', 6, 2, 3),

(9, 'Satış', '2024-12-02', NULL, 5, 5);