Database tables:  
  
1.Car  
 values:  
CREATE TABLE Cars (

CarID INT PRIMARY KEY IDENTITY(1,1),

Brand NVARCHAR(100) NOT NULL,

Model NVARCHAR(100) NOT NULL,

Color NVARCHAR(50),

LicensePlate NVARCHAR(50) UNIQUE NOT NULL,

EngineCapacity NVARCHAR(50),

Seats INT NOT NULL CHECK (Seats > 0),

MakeYear INT CHECK (MakeYear > 1900 AND MakeYear <= YEAR(GETDATE())),

Mileage DECIMAL(10, 2),

Status NVARCHAR(50) DEFAULT 'Available',

CreatedAt DATETIME DEFAULT GETDATE()

);  
2: motor-cycles  
CREATE TABLE Motorcycles (

MotorcycleID INT PRIMARY KEY IDENTITY(1,1),

Brand NVARCHAR(100) NOT NULL,

Model NVARCHAR(100) NOT NULL,

Color NVARCHAR(50),

LicensePlate NVARCHAR(50) UNIQUE NOT NULL,

EngineCapacity NVARCHAR(50),

MakeYear INT CHECK (MakeYear > 1900 AND MakeYear <= YEAR(GETDATE())),

Mileage DECIMAL(10, 2),

Status NVARCHAR(50) DEFAULT 'Available',

CreatedAt DATETIME DEFAULT GETDATE()

);  
3: Micro-buses.  
CREATE TABLE Microbuses (

MicrobusID INT PRIMARY KEY IDENTITY(1,1),

Brand NVARCHAR(100) NOT NULL,

Model NVARCHAR(100) NOT NULL,

Color NVARCHAR(50),

LicensePlate NVARCHAR(50) UNIQUE NOT NULL,

SeatingCapacity INT CHECK (SeatingCapacity > 0), -- আসনের সংখ্যা

FuelType NVARCHAR(50), -- যেমন: Petrol, Diesel, CNG

MakeYear INT CHECK (MakeYear > 1900 AND MakeYear <= YEAR(GETDATE())),

Mileage DECIMAL(10, 2),

AC BIT DEFAULT 0, -- AC আছে কি না

Status NVARCHAR(50) DEFAULT 'Available',

CreatedAt DATETIME DEFAULT GETDATE()

);  
4:-  
CREATE TABLE Buses (

BusID INT PRIMARY KEY IDENTITY(1,1),

Brand NVARCHAR(100) NOT NULL,

Model NVARCHAR(100) NOT NULL,

Color NVARCHAR(50),

LicensePlate NVARCHAR(50) UNIQUE NOT NULL,

SeatingCapacity INT CHECK (SeatingCapacity > 0), -- আসনের সংখ্যা

StandingCapacity INT CHECK (StandingCapacity >= 0), -- দাঁড়ানোর জায়গা (যদি থাকে)

FuelType NVARCHAR(50), -- যেমন: Petrol, Diesel, CNG

MakeYear INT CHECK (MakeYear > 1900 AND MakeYear <= YEAR(GETDATE())),

Mileage DECIMAL(10, 2),

AC BIT DEFAULT 0, -- AC আছে কি না

Route NVARCHAR(255), -- নির্দিষ্ট রুট

Status NVARCHAR(50) DEFAULT 'Available',

CreatedAt DATETIME DEFAULT GETDATE()

);  
5- user  
CREATE TABLE Users (

UserID INT PRIMARY KEY IDENTITY(1,1),

Name NVARCHAR(100) NOT NULL,

Email NVARCHAR(100) NOT NULL UNIQUE,

Phone NVARCHAR(15) NOT NULL,

Password NVARCHAR(100) NOT NULL,

Address NVARCHAR(255),

CreatedAt DATETIME DEFAULT GETDATE()

);  
6- driver.  
CREATE TABLE Drivers (

DriverID INT PRIMARY KEY IDENTITY(1,1),

Name NVARCHAR(100) NOT NULL,

Phone NVARCHAR(15) NOT NULL,

LicenseNo NVARCHAR(50) NOT NULL UNIQUE,

Rating FLOAT CHECK (Rating BETWEEN 1 AND 5),

Status NVARCHAR(50) DEFAULT 'Active',

CreatedAt DATETIME DEFAULT GETDATE()

);  
7-Rides   
CREATE TABLE Rides (

RideID INT PRIMARY KEY IDENTITY(1,1),

UserID INT FOREIGN KEY REFERENCES Users(UserID),

DriverID INT FOREIGN KEY REFERENCES Drivers(DriverID),

VehicleID INT FOREIGN KEY REFERENCES Vehicles(VehicleID),

PickupLocation NVARCHAR(255),

DropoffLocation NVARCHAR(255),

Distance DECIMAL(5, 2),

Fare DECIMAL(10, 2),

Status NVARCHAR(50),

CreatedAt DATETIME DEFAULT GETDATE()

);  
8- For payment\s  
CREATE TABLE Payments (

PaymentID INT PRIMARY KEY IDENTITY(1,1),

RideID INT FOREIGN KEY REFERENCES Rides(RideID),

Amount DECIMAL(10, 2) NOT NULL,

PaymentMethod NVARCHAR(50) NOT NULL,

Status NVARCHAR(50) DEFAULT 'Pending',

CreatedAt DATETIME DEFAULT GETDATE()

);  
9- Ratings  
CREATE TABLE Ratings (

RatingID INT PRIMARY KEY IDENTITY(1,1),

RideID INT FOREIGN KEY REFERENCES Rides(RideID),

Rating INT CHECK (Rating BETWEEN 1 AND 5),

Comment NVARCHAR(255),

CreatedAt DATETIME DEFAULT GETDATE()

);