

```
create database Tickett
go
```

```
use Tickett
go
```

```
create table Role(
    [RoleID] int NOT NULL Primary key,
    [Role_name] [nvarchar](50) NOT NULL,
)
go
```

```
create table Account(
    [accountID] [int] IDENTITY(1,1) NOT NULL Primary key,
    [username] [nvarchar](50) NOT NULL,
    [password] [nvarchar](50) ,
    [phoneNumber] [varchar](15) NULL,
    [birthdate] [date] NULL,
    [GoogleStatus] [bit] NOT NULL,
    roleId [int] NOT NULL,
    [passwordStatus][bit] NULL,
FOREIGN KEY (roleId) REFERENCES Role(RoleID)
)
go
```

```
create table Category(
    [CategoryID][int] IDENTITY(1,1) NOT NULL Primary key,
    [Categoryname] [nvarchar](100) NOT NULL,
)
go
```

```
create table Location(
    [Location_id] [int] IDENTITY(1,1) NOT NULL Primary key,
    [Location_name][nvarchar](100) NOT NULL,
)
go
```

```
create table Event(
    [EventID] [int] IDENTITY(1,1) NOT NULL Primary key,
    [CategoryID] [int] NOT NULL,
    [Eventname] [nvarchar](100) NOT NULL,
    [Description] [nvarchar](2000) NOT NULL,
    [EventImg] [varchar](500)Not NULL,
    [LocationID] [int] NOT NULL,
    [Date] [date] NOT NULL,
    [Time] [date]
    [AccountID] [int] NOT NULL,
    [StatusDisable] [bit] NOT Null
FOREIGN KEY (LocationID) REFERENCES Location(Location_id),
```

```

        FOREIGN KEY (CategoryID) REFERENCES Category(CategoryID),
        FOREIGN KEY (AccountID) REFERENCES Account(accountID)
    )
go

create table Area(
    [Area_id] [int] IDENTITY(1,1) NOT NULL primary key,
    [Area_name] [nvarchar](100) NOT NULL,
    [Price] [decimal] (10,2) Not NULL,
)
go

create table Booking(
    [BookingID] [int] IDENTITY(1,1) NOT NULL primary key,
    [Booking_date][date] NOT NULL,
    [Status] [nvarchar] (100) NOT NULL,
    [Total_amount] decimal(10,2),
    EventID int foreign key references Event(EventID),
    AccountID int foreign key references Account(accountID),
)
go

create table Booking_detail(
    [Booking_detail_ID][int] IDENTITY(1,1) NOT NULL primary key,
    [Quantity] [int] not null,
    [Unit_price] decimal(10,2) not null,
    [Subtotal] decimal(10,2) not null,
    [BookingID] int foreign key references Booking(BookingID),
)
go

create table Ticket(
    [Ticket_id] [int] IDENTITY(1,1) NOT NULL primary key,
    [Status] [bit] NOT NULL,
    EventID int not null foreign key references Event(EventID),
    Booking_detail_ID int NULL foreign key references
Booking_detail(Booking_detail_ID),
    Area_id int not null foreign key references Area(Area_id)
)
go

create table Promotion(
    [PromotionID] [int] IDENTITY(1,1) NOT NULL primary key,
    [Name] [nvarchar](150) not null,
    [Description] text not null,
    [Start_date] [date] not null,
    [End_date][date] not null,
    [Discount_percent] decimal(10,2) NOT NULL,
    [Min_quantity] int not null,
    [Max_quantity] int not null,
    [Status] [varchar](20) not null,
)

```

go

```
create table Payment(
    [PaymentID] [int] IDENTITY(1,1) NOT NULL primary key,
    [Payment_date] [date] NOT NULL,
    [Transaction_id] [varchar](255) NOT NULL,
    [Amount] [decimal](10,2) NOT NULL,
    [Status] [varchar](255) NOT NULL,
    [Payment_method] [nvarchar](255) NOT NULL,
    [BookingID] int foreign key references Booking(BookingID),
)
go
```

```
create table Invoice(
    [InvoiceID] [int] IDENTITY(1,1) NOT NULL primary key,
    [Invoice_date] [date] NOT NULL,
    [Total_amount] [decimal](10,2) NOT NULL,
    [BookingID] int foreign key references Booking(BookingID),
    AccountID int foreign key references Account(accountID),
    [paymentID] [int] foreign key references Payment(paymentID),
)
go
```

```
INSERT INTO
[dbo].[Role]          ([RoleID],[Role_name])      VALUES          (1,'admin')
INSERT INTO
[dbo].[Role]          ([RoleID],[Role_name])      VALUES          (2,'staff')
INSERT INTO
[dbo].[Role]          ([RoleID],[Role_name])      VALUES          (3,'customer')
```

```
-- Chèn từ C1 đến C20 với giá 150k
INSERT INTO Area (Area_name, Price)
VALUES
```

```
('C1', 150000),
('C2', 150000),
('C3', 150000),
('C4', 150000),
('C5', 150000),
('C6', 150000),
('C7', 150000),
('C8', 150000),
('C9', 150000),
('C10', 150000),
('C11', 150000),
('C12', 150000),
('C13', 150000),
('C14', 150000),
('C15', 150000),
('C16', 150000),
```

```
('C17', 150000),  
('C18', 150000),  
('C19', 150000),  
('C20', 150000);
```

-- Chèn từ C21 đến C40 với giá 130k

```
INSERT INTO Area (Area_name, Price)  
VALUES  
('C21', 130000),  
('C22', 130000),  
('C23', 130000),  
('C24', 130000),  
('C25', 130000),  
('C26', 130000),  
('C27', 130000),  
('C28', 130000),  
('C29', 130000),  
('C30', 130000),  
('C31', 130000),  
('C32', 130000),  
('C33', 130000),  
('C34', 130000),  
('C35', 130000),  
('C36', 130000),  
('C37', 130000),  
('C38', 130000),  
('C39', 130000),  
('C40', 130000);
```

-- Chèn từ C41 đến C60 với giá 110k

```
INSERT INTO Area (Area_name, Price)  
VALUES  
('C41', 110000),  
('C42', 110000),  
('C43', 110000),  
('C44', 110000),  
('C45', 110000),  
('C46', 110000),  
('C47', 110000),  
('C48', 110000),  
('C49', 110000),  
('C50', 110000),  
('C51', 110000),  
('C52', 110000),  
('C53', 110000),  
('C54', 110000),  
('C55', 110000),  
('C56', 110000),  
('C57', 110000),  
('C58', 110000),  
('C59', 110000),  
('C60', 110000);
```

```

INSERT INTO Location (Location_name)
VALUES
(N'số 57 Phạm Hùng, Mỹ Trì, Nam Từ Liêm, Hà Nội'),
(N'số 2 Phan Đăng Lưu, Hòa Cường Bắc, Hải Châu, Đà Nẵng'),
(N'số 49 đường Hoa Hồng, phường 4, Đà Lạt');

```

```

INSERT INTO Account (username, password, phoneNumber, birthdate,
GoogleStatus, roleId, passwordStatus)
VALUES
('admin@example.com', 'Admin123', '555-123-4567', '1985-10-15', 0, 1,
0), -- Admin
('staff@example.com', 'Staff456', '555-234-5678', '1990-04-20', 0, 2,
0), -- Staff
('customer@example.com', 'Customer789', '555-345-6789', '1995-07-25',
0, 3, 0); -- Customer

```

```

INSERT INTO Category (Categoryname)
VALUES
('Talkshow'),
('Ca nhạc'),
('Workshop');

```

```

INSERT INTO Event (CategoryID, Eventname, Description, EventImg,
LocationID, Date,Time, AccountID, StatusDisable) VALUES (1, 'Talkshow
1', 'This is a description for Talkshow 1.', 'img-1.jpg', 1, '2024-07-
01','12:30:00', 2, 0), (2, N'Ca nhạc 1', N'This is a description for
Ca nhạc 1.', 'img-2.jpg', 2, '2024-08-15','12:31:00', 2, 0), (3,
'Workshop 1', 'This is a description for Workshop 1.', 'img-3.jpg', 3,
'2024-09-30','12:30:00', 2, 0);

```

```

-- Insert 180 records with the specified values

```

```

DECLARE @i int = 1;
DECLARE @eventID int;
DECLARE @areaID int;

WHILE @i <= 180
BEGIN
    IF @i <= 60
        SET @eventID = 1;
    ELSE IF @i <= 120
        SET @eventID = 2;
    ELSE
        SET @eventID = 3;

    SET @areaID = ((@i - 1) % 60) + 1;

```

```
INSERT INTO Ticket (Status, EventID, Booking_detail_ID, Area_id)
VALUES (0, @eventID, NULL, @areaID);

SET @i = @i + 1;

END
```