

```

use master
IF EXISTS (SELECT * FROM sys.databases WHERE name = 'EventEaseDB')
DROP DATABASE EventEaseDB
CREATE DATABASE EventEaseDB
USE EventEaseDB
--TABLE CREATION SECTION--

CREATE TABLE Venues (

VenueID INT PRIMARY KEY IDENTITY(1,1),
VenueName VARCHAR(255) NOT NULL,
[Location] VARCHAR(255),
ImageURL VARCHAR(MAX)

);

CREATE TABLE [Event] (
EventID INT PRIMARY KEY IDENTITY(1,1),
EventName VARCHAR(255) NOT NULL,
EventDate DATETIME,
[Description] VARCHAR (MAX),
VenueID INT FOREIGN KEY (VenueID) REFERENCES Venues(VenueID)

);

CREATE TABLE Booking(
BookingID INT PRIMARY KEY IDENTITY (1,1),
EventID INT FOREIGN KEY (EventID) REFERENCES [Event](EventID),
VenueID INT FOREIGN KEY (VenueID) REFERENCES Venues(VenueID),
BookingDate DATETIME NOT NULL,
CONSTRAINT CK_UniqueVenueBookingTime UNIQUE (VenueID,BookingDate)

);

--TABLE ALTERATION SECTION--

--TABLE INSERTION SECTION--
INSERT INTO Venues (VenueName, [Location],ImageURL)
VALUES('Venue1','Sydney','https://static.vecteezy.com/system/resources/thumbnails/036/324/708/small/ai-generated-picture-of-a-tiger-walking-in-the-forest-photo.jpg')

INSERT INTO [Event](EventName,EventDate,[Description],VenueID)
VALUES ('JamesBondEvent','12 feb 2024','behindajfajeofihh',3)

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INSERT INTO Booking(EventID,VenueID,BookingDate)
VALUES (4,2,'11 feb 2024')
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--table manipulation section--

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SELECT * FROM Venues
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SELECT * FROM [Event]
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```
SELECT * FROM Booking
```

--stored procedures section--

- "The database schema for EventEaseDB was created using SQL DDL statements, defining tables for venues, events, and bookings (SQL Server Documentation, n.d.)."
- "The CREATE TABLE statement is used to define the structure of each table, including column names, data types, and constraints such as primary keys (PRIMARY KEY) and foreign keys (FOREIGN KEY) (SQL Server Documentation, n.d.)."
- "The IDENTITY (1 , 1) property for the VenueID, EventID, and BookingID columns ensures automatic incrementing primary key values (SQL Server Documentation, n.d.)."
- "Foreign key constraints, such as the one linking Event . VenueID to Venues . VenueID, enforce referential integrity between tables (SQL Server Documentation, n.d.)."
- "The UNIQUE constraint CK_UniqueVenueBookingTime on the Booking table ensures that a specific venue cannot be booked for two events at the exact same time (SQL Server Documentation, n.d.)."
- "The INSERT INTO statement is used to populate the tables with initial data for testing and demonstration purposes (SQL Server Documentation, n.d.)."
- "The SELECT statement is used for querying and retrieving data from the database (SQL Server Documentation, n.d.)."
- "The DROP DATABASE and CREATE DATABASE statements are used for managing the database lifecycle during development (SQL Server Documentation, n.d.)."

Reference List:

SQL Server Documentation. (n.d.). *Transact-SQL Reference*. [online]. Available from: <https://learn.microsoft.com/en-us/sql/t-sql/language-reference?view=sql-server-ver16> [Accessed 2 April 2025].