

**A
PROJECT REPORT
ON
“MUHURTHAM CO. WEDDING MANAGEMENT SYSTEM”**



SUBMITTED BY

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INTRODUCTION

This report contains the required details for the MSIS 5643 Advance Database Management project and illustrates many of the key concepts of Database Management System. One of the major requirements of the day are the event management companies that organize and conduct the events successfully. Muhurtham Co. is one such wedding management company based at Stillwater, Oklahoma that manages wedding from start till final phase.

We are involved with developing database management system for Muhurtham co that offers wedding services only in Stillwater, Oklahoma. This system helps the company track the details of the organizers associated with the company and the customers who want to book venues for the wedding. This system also facilitates organizers to view and organize the events, collaborate with clients and venues accordingly. The Database maintains information about customers, wedding plans, venues, organizers and events.

MISSION STATEMENT

The purpose of this wedding management database is to generate and maintain the data of "Muhurtham Co." thereby facilitating its customers to book a venue and choose a wedding package in accordance with their budget.

MISSION OBJECTIVES

- To maintain (enter, update, and delete) data on Customer
- To maintain (enter, update, and delete) data on Venue
- To maintain (enter, update, and delete) data on Organizer
- To maintain (enter, update, and delete) data on Event
- To maintain (enter, update, and delete) data on Type_of_Plan
- To perform search on Customer
- To perform search on Venue
- To perform search on Organizer
- To perform search on Event
- To perform search on Type_of_Plan
- To track the status of the events
- To generate report on Customer
- To generate report on Venue
- To generate report on Organizer

- To generate report on Event
- To generate report on Type_of_Plan

BUSINESS RULES

“Muhurtam Co.” offers its customers a plethora of services following business rules mentioned below;

- Every event must have an organizer assigned to it
- One Customer can book one or more events
- Every event has a specific type of plan classified as Basic, Silver, Gold, Platinum, Diamond
- Two Events cannot be registered against the same venue on the same date
- An organizer cannot be assigned more than one event on the same date
- Event fee will not be refunded on cancelled events
- The event can be registered for no more than one day per booking

ENTITY DEFINITION

WeddingCustomer

A person who has an account with the organization.

Wedding Organizer

The employee who is associated with the organization and is responsible for organizing the event

Event

The wedding that is booked by the customer in accordance with the budget and venue specifications

Type of Plan

The wedding package choice for the customer

Venue

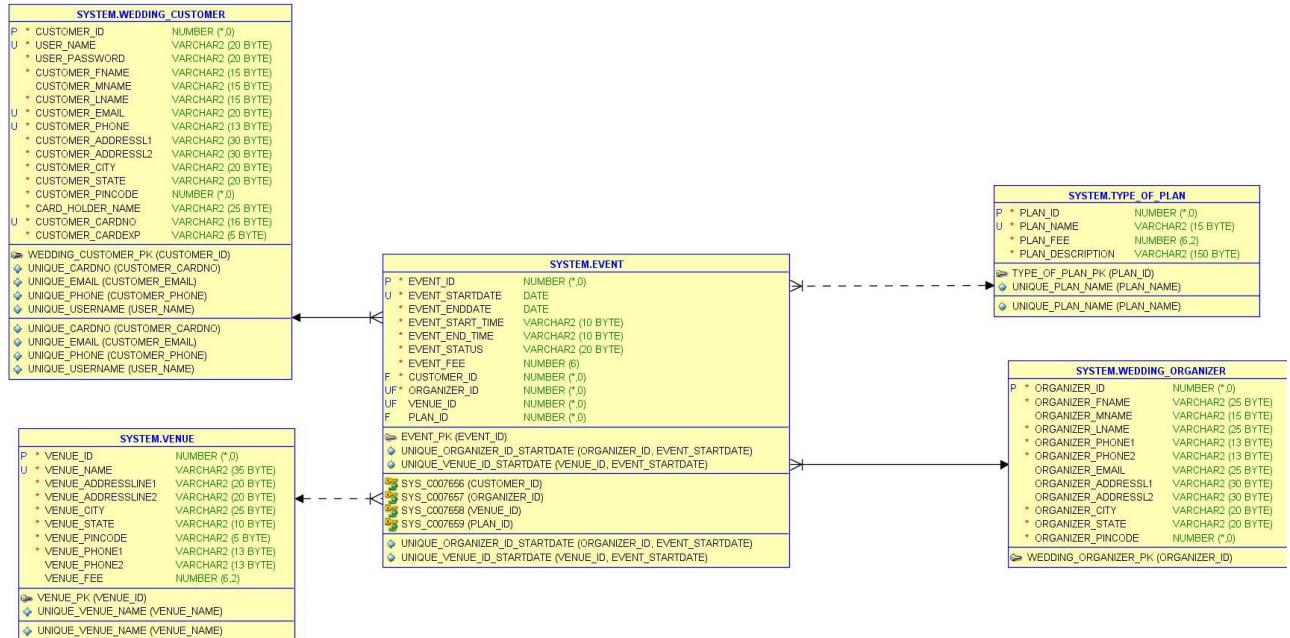
The place where the wedding takes place

RELATIONSHIP DEFINITION

- A customer can be associated with one or more events where as an event must have one and only one customer
- An organizer can be associated with zero or more events where as an event must have one and only one organizer
- A venue can be associated with zero or more events where as an event must have one and only one venue
- A plan can be associated with zero or more events where as an event must have one and only one plan

LOGICAL DATABASE DESIGN

ERD



PHYSICAL DATABASE DESIGN

METADATA

TABLE	KEY TYPE	ATTRIBUTRE NAME	ATTRIBUTE DATA TYPE	ATTRIBUTE LENGTH	NULL OR NOT NULL
Wedding Customer	PK	Customer_Id	integer		NOT NULL
	UNIQUE	User_name	varchar	20	NOT NULL
		User_password	varchar	20	NOT NULL
		Customer_FName	varchar	15	NOT NULL
		Customer_MName	varchar	2	NULL
		Customer_LName	varchar	15	NOT NULL
	UNIQUE	Customer_Email	varchar	20	NOT NULL
	UNIQUE	Customer_Phone	varchar	13	NOT NULL
		Customer_AddressL1	varchar	30	NOT NULL
		Customer_AddressL2	varchar	30	NOT NULL
		Customer_City	varchar	20	NOT NULL
		Customer_State	varchar	20	NOT NULL
		Customer_Pincode	integer		NOT NULL
		Customer_Cardname	varchar	20	NOT NULL
	UNIQUE	Customer_Cardno	varchar	20	NOT NULL
		Customer_Cardexp	varchar	20	NOT NULL
	PK	Organizer_Id	integer		NOT NULL

Wedding Organizer		Organizer_FName	varchar	25	NOT NULL
		Organizer_MName	varchar	15	NULL
		Organizer_LName	varchar	25	NOT NULL
		Organizer_phone1	varchar	13	NOT NULL
		Organizer_phone2	varchar	13	NOT NULL
		Organizer_Email	varchar	25	NOT NULL
		Organizer_addressL1	varchar	30	NOT NULL
		Organizer_addressL2	varchar	30	NOT NULL
		Organizer_city	varchar	20	NOT NULL
		Organizer_state	varchar	20	NOT NULL
		Organizer_pincode	integer		NOT NULL
Event	PK	Event_ID	integer		NOT NULL
		Event_startdate	integer		NOT NULL
		Event_enddate	integer		NOT NULL
		Event Start_time	varchar	10	NOT NULL
		Event End_time	varchar	10	NOT NULL
		Event_status	varchar	20	NOT NULL
		Event_fee	decimal	6,0	NOT NULL
	FK	Customer_Id	integer		NOT NULL
	FK	Organizer_Id	integer		NOT NULL
	FK	Venue_Id	integer		NOT NULL
	FK	Plan_Id	integer		NOT NULL
	UNIQUE	Venue_Id , Event_startdate			
	UNIQUE	Event_startdate, Organizer_Id			
Venue	PK	Venue_Id	integer		NOT NULL
	UNIQUE	Venue_Name	varchar	35	NOT NULL
		Venue_Addressline1	varchar	20	NOT NULL
		Venue_Addressline2	varchar	20	NOT NULL
		Venue_City	varchar	25	NOT NULL
		Venue_State	varchar	10	NOT NULL
		Venue_pincode	varchar	5	NOT NULL
		Venue_Phone1	varchar	13	NOT NULL
		Venue_Phone2	varchar	13	NULL
		Venue_Fee	decimal	6	NOT NULL
Type of plan	PK	Plan_ID	integer		NOT NULL
	UNIQUE	Plan_Name	varchar	15	NOT NULL
		Plan_Fee	decimal	6	NOT NULL
		Plan_Description	varchar	120	NOT NULL

SQL Queries:

Drop Queries

```
DROP TABLE EVENT;  
  
DROP SEQUENCE Event_seq;  
  
DROP TABLE Wedding_Customer;  
  
DROP SEQUENCE Customer_seq;  
  
DROP TABLE Wedding_Organizer;  
  
DROP SEQUENCE Organizer_seq;  
  
DROP TABLE VENUE;  
  
DROP SEQUENCE Venue_seq;  
  
DROP TABLE Type_of_Plan;  
  
DROP SEQUENCE Plan_seq;
```

Create Wedding Customer table

```
CREATE TABLE Wedding_Customer(  
    Customer_Id    INTEGER ,  
    User_name      VARCHAR2(20) NOT NULL,  
    User_Password  VARCHAR2(20) NOT NULL,  
    Customer_FName VARCHAR2(15) NOT NULL,  
    Customer_MName VARCHAR2(15) DEFAULT NULL,  
    Customer_LName VARCHAR2(15) NOT NULL,  
    Customer_Email VARCHAR2(20) NOT NULL,  
    Customer_Phone VARCHAR2(13) NOT NULL,  
    Customer_AddressL1 VARCHAR2(30) NOT NULL,  
    Customer_AddressL2 VARCHAR2(30) NOT NULL,  
    Customer_City  VARCHAR2(20)  NOT NULL,  
    Customer_State VARCHAR2(20)  NOT NULL,  
    Customer_Pincode INTEGER      NOT NULL,
```

```
Card_Holder_name VARCHAR2(25) NOT NULL,  
Customer_Cardno VARCHAR2(16) NOT NULL,  
Customer_Cardexp VARCHAR2(5) NOT NULL,  
PRIMARY KEY(Customer_Id),  
CONSTRAINT Unique_Username UNIQUE (User_name),  
CONSTRAINT Unique_email UNIQUE (Customer_Email),  
CONSTRAINT Unique_phone UNIQUE (Customer_Phone),  
CONSTRAINT Unique_CardNo UNIQUE (Customer_Cardno)  
);
```

```
CREATE SEQUENCE Customer_seq  
  
MINVALUE 1  
  
MAXVALUE 10000  
  
START WITH 1  
  
INCREMENT BY 1  
  
CACHE 20;
```

Create Wedding Organizer table

```
CREATE TABLE Wedding_Organizer(  
Organizer_Id INTEGER ,  
Organizer_FName VARCHAR2(25) NOT NULL,  
Organizer_MName VARCHAR2(15) NULL,  
Organizer_LName VARCHAR2(25) NOT NULL,  
Organizer_phone1 VARCHAR2(13) NOT NULL,  
Organizer_phone2 VARCHAR2(13) NOT NULL,  
Organizer_Email VARCHAR2(25) NOT NULL,  
Organizer_addressL1 VARCHAR2(30) NOT NULL,
```

```
Organizer_addressL2 VARCHAR2(30) NOT NULL,  
Organizer_city VARCHAR2(20) NOT NULL,  
Organizer_state VARCHAR2(20) NOT NULL,  
Organizer_pincode INTEGER NOT NULL,  
PRIMARY KEY(Organizer_Id)  
);
```

```
CREATE SEQUENCE Organizer_seq  
  
MINVALUE 1  
  
MAXVALUE 10000  
  
START WITH 1  
  
INCREMENT BY 1  
  
CACHE 20;
```

Create Venue table

```
CREATE TABLE VENUE(  
  
Venue_Id    INTEGER ,  
  
Venue_Name  VARCHAR2(35) NOT NULL,  
Venue_Addressline1 VARCHAR2(20) NOT NULL,  
Venue_Addressline2 VARCHAR2(20) NOT NULL,  
Venue_City  VARCHAR2(25)  NOT NULL,  
Venue_State VARCHAR2(10)  NOT NULL,  
Venue_pincode VARCHAR2(5)  NOT NULL,  
Venue_Phone1 VARCHAR(13)  NOT NULL,  
Venue_Phone2 VARCHAR(13),  
Venue_Fee   DECIMAL(6,2) NOT NULL,  
PRIMARY KEY(Venue_Id),
```



```
CONSTRAINT Unique_Venue_Name UNIQUE (Venue_Name));
```

```
CREATE SEQUENCE Venue_seq
```

```
MINVALUE 1
```

```
MAXVALUE 10000
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
CACHE 20;
```

Create Type of Plan table

```
CREATE TABLE Type_of_Plan(
```

```
Plan_ID INTEGER NOT NULL,
```

```
Plan_Name VARCHAR2(15) NOT NULL,
```

```
Plan_Fee DECIMAL(6,2) NOT NULL,
```

```
Plan_Description VARCHAR2(150) NOT NULL,
```

```
PRIMARY KEY(Plan_ID),
```

```
CONSTRAINT Unique_Plan_Name UNIQUE (Plan_Name));
```

```
CREATE SEQUENCE Plan_seq
```

```
MINVALUE 1
```

```
MAXVALUE 10000
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
CACHE 20;
```

Create Event table

```
CREATE TABLE Event(
```

```

Event_ID      INTEGER ,
Event_StartDate DATE NOT NULL,
Event_EndDate  DATE NOT NULL,
Event_Start_time VARCHAR2(10) NOT NULL,
Event_End_time  VARCHAR2(10) NOT NULL,
Event_status   VARCHAR2(20) NOT NULL,
Event_fee      DECIMAL(6,0) NOT NULL,
Customer_Id    INTEGER    NOT NULL,
Organizer_Id   INTEGER    NOT NULL,
Venue_Id       INTEGER    ,
Plan_ID        INTEGER    ,
CONSTRAINT Unique_Venue_ID_StartDate UNIQUE (Venue_Id,Event_StartDate),
CONSTRAINT Unique_Organizer_ID_StartDate UNIQUE (Organizer_Id,Event_StartDate),
PRIMARY KEY (Event_ID),
FOREIGN KEY (Customer_Id) REFERENCES Wedding_Customer(Customer_Id),
FOREIGN KEY (Organizer_Id) REFERENCES Wedding_Organizer(Organizer_Id ),
FOREIGN KEY (Venue_Id)   REFERENCES Venue(Venue_Id),
FOREIGN KEY (Plan_ID)    REFERENCES Type_of_Plan(Plan_ID)
);

```

```

CREATE SEQUENCE Event_seq
MINVALUE 1
MAXVALUE 10000
START WITH 1
INCREMENT BY 1
CACHE 20;

```

Stored procedure to insert records into Even table

```
CREATE OR REPLACE PROCEDURE Insert_Event (  
  p_Event_StartDate IN Event.Event_StartDate%TYPE,  
  p_Event_EndDate   IN Event.Event_EndDate%TYPE,  
  p_Event_Start_time IN Event.Event_Start_time%TYPE,  
  p_Event_End_time   IN Event.Event_End_time%TYPE,  
  p_Event_status     IN Event.Event_status%TYPE,  
  p_Customer_Id      IN Wedding_Customer.Customer_Id%TYPE,  
  p_Organizer_Id     IN Wedding_Organizer.Organizer_Id%TYPE,  
  p_Venue_Id         IN Venue.Venue_Id%TYPE,  
  p_Plan_ID          IN Type_of_Plan.Plan_ID%TYPE  
)  
AS  
  
  v_Event_fee DECIMAL(6,2);  
  v_Venue_fee DECIMAL(6,2);  
  v_Plan_fee  DECIMAL(6,2);  
  
BEGIN  
  
  DBMS_OUTPUT.ENABLE;  
  
  IF p_Event_StartDate != p_Event_EndDate  
    THEN DBMS_OUTPUT.PUT_LINE ( 'Event Start Date is not equal to Event End Date ');  
  
  ELSIF p_Event_StartDate = p_Event_EndDate  
    THEN  
  
    SELECT Venue_fee  
    INTO   v_Venue_fee  
    FROM   Venue  
    WHERE Venue_id = p_Venue_Id;
```

```
SELECT Plan_Fee  
INTO v_Plan_fee  
FROM Type_of_Plan  
WHERE Plan_ID = p_Plan_ID;
```

```
v_Event_fee := v_Venue_fee + v_Plan_fee;
```

```
INSERT INTO Event VALUES  
(Event_seq.NEXTVAL,  
p_Event_StartDate,  
p_Event_EndDate,  
p_Event_Start_time,  
p_Event_End_time,  
p_Event_status,  
v_Event_fee,  
p_Customer_Id,  
p_Organizer_Id,  
p_Venue_Id ,  
p_Plan_ID);  
COMMIT;  
END IF;  
END Insert_Event;
```

[Insert Data into Wedding Customer table](#)

```
INSERT INTO Wedding_Customer VALUES
```

```
( Customer_seq.NEXTVAL, 'apollo', 'apollo123', 'Apollo' , null, 'Creed', 'Acreed@gmail.com',  
'(405)708-1234',
```

```
'124 N Duck', '101', 'Stillwater', 'Oklahoma', 74074, 'Apollo Creed', 1234567891011901, '01/23');
```

```
INSERT INTO Wedding_Customer VALUES
```

```
( Customer_seq.NEXTVAL, 'roshith', 'roshi123', 'Roshith' , null, 'elangovan', 'roshi@gmail.com',  
'(405)708-4321',
```

```
'100 Thornton Lane', '1 A', 'Stillwater', 'Oklahoma', 74074, 'Roshith Elangovan',  
9876547773322211, '01/24');
```

```
INSERT INTO Wedding_Customer VALUES
```

```
( Customer_seq.NEXTVAL, 'ashu', 'ashu123', 'Ashutosh', 'Chandra',  
'Sakinala', 'atosh@gmail.com', '(405)807-1234',
```

```
'28 Buffalo Grove Rd', '401 C', 'Stillwater', 'Oklahoma', 74074, 'Ashutosh Sakinala',  
2345678999183212, '01/20');
```

```
INSERT INTO Wedding_Customer VALUES
```

```
( Customer_seq.NEXTVAL, 'krithika', 'kiru', 'Krithika' , 'Ganesh',  
'Kumar', 'kgens@gmail.com', '(405)778-1234',
```

```
'206 Jefferson Street', '14', 'Stillwater', 'Oklahoma', 74074, 'Krithika Ganesh',  
3456341257891221, '04/19');
```

```
INSERT INTO Wedding_Customer VALUES
```

```
( Customer_seq.NEXTVAL, 'aravindh', 'arivindh123', 'Aravindh' , null,  
'Dhanabal', 'adan@gmail.com', '(405)999-1234',
```

```
'80 S Duck', '6 D', 'Stillwater', 'Oklahoma', 74074, 'Aravind D', 4567333676894123, '07/22');
```

```
INSERT INTO Wedding_Customer VALUES
```

```
( Customer_seq.NEXTVAL, 'Ramya', 'rammy123', 'Ramya' , null,  
'Sandeep', 'Rdeep@gmail.com', '(705)708-1234',
```

'34 E Arlington', '14 B', 'Stillwater', 'Oklahoma', 74074, 'S Ramya', 5646456567891234, '06/21');

INSERT INTO Wedding_Customer VALUES

(Customer_seq.NEXTVAL, 'ajaybhakshi', 'ajay123', 'Ajay' , null, 'Bhakshi,Ajaybakshi@gmail.com', '[\(495\)708-1234](tel:(495)708-1234)',

'98 W Highway', '08', 'Stillwater', 'Oklahoma', 74074, 'Ajay B', 454846879685678, '01/23');

INSERT INTO Wedding_Customer VALUES

(Customer_seq.NEXTVAL, 'JoeWill', 'Joe123', 'Joe' , null, 'Williams', 'Joe.Will@gmail.com', '[\(405\)721-1234](tel:(405)721-1234)',

'120 S Hester', '32 D', 'Stillwater', 'Oklahoma', 74074, 'Joe W', 1237879874564789, '01/20');

INSERT INTO Wedding_Customer VALUES

(Customer_seq.NEXTVAL, 'steve', 'steve123', 'steve' , null, 'austin', 'saustin@gmail.com', '[\(505\)708-1234](tel:(505)708-1234)',

'124 N lightray st', '103', 'Stillwater', 'Oklahoma', 74074, 'Steve Austin', 5454545454545454, '01/29');

INSERT INTO Wedding_Customer VALUES

(Customer_seq.NEXTVAL, 'jack', 'jack123', 'jack' , null, 'sparrow', 'jspar@gmail.com', '[\(605\)708-1234](tel:(605)708-1234)',

'124 N rainbow st', '7g', 'Stillwater', 'Oklahoma', 74074, 'Jack Sparrow', 2121212121212121, '01/26');

Insert Data into Wedding Organizer table

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Mark', null, 'Zukerburg', '[\(405\)368-9099](tel:(405)368-9099)', '[\(201\)876-9099](tel:(201)876-9099)', 'zukfac@muhurtham.co',

'127 N Hester st', 'F 21', 'Stillwater', 'Oklahoma', 74078);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Stephan', 'J', 'Hawking', '([405](tel:4053889009))388-9009', '(205)896-9009', 'shawking@muhurtham.co',

'121 N Duck st', '11 A', 'stillwater', 'Oklahoma', 74078);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Harry', 'J', 'Potter', '([405](tel:4053008809))300-8809', '(205)806-8809', 'hpotter@muhurtham.co',

'10 S Johnson st', '17 B', 'Stillwater', 'Oklahoma', 74078);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Jeniffer', 'K', 'Rowling', '(405)311-1109', '(205)006-1109', 'jkrowling@muhurtham.co',

'100N Burlington st', '07 D', 'Stillwater', 'Oklahoma', 74077);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Hermoine', 'G', 'Granger', '(405)388-8009', '(200)788-8009', 'hermoine@muhurtham.co',

'101 West Avenue', '03 D', 'Stillwater', 'Oklahoma', 74077);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Ron', null, 'Weasley', '(405)322-2011', '(200)388-2011', 'ron@muhurtham.co',

'101 East Avenue', '102 A', 'Stillwater', 'Oklahoma', 74079);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'Batman', 'G', '[Superman](tel:4053128111)', '(405)312-8111', '(200)312-8111', 'basuperman@muhurtham.co',

'106 North block','33', 'Stillwater', 'Oklahoma', 74074);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'nick', null, 'fury', '(505)322-2011', '(500)388-2011',
'nfury@muhurtham.co',

'109 Master Avenue', '12 P', 'Stillwater','Oklahoma',74070);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'koki', null, 'kumar', '(605)322-2011', '(600)388-2011',
'kkumar@muhurtham.co',

'899 coat Avenue', '17 P', 'Stillwater','Oklahoma',74079);

INSERT INTO Wedding_Organizer VALUES

(Organizer_seq.NEXTVAL, 'virat', null, 'kolhi', '(705)322-2011', '(700)388-2011',
'vkolhi@muhurtham.co',

'766 coat Avenue', '15 P', 'Stillwater','Oklahoma',74074);

Insert Data into Venue table

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'Come and Get Married', '126 S street', '30', 'Stillwater', 'Oklahoma', 74075,
'(408)897-9099', '(408)897-2000', 1000.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'Cloud 9 events', '19 N West Street', '45', 'Stillwater', 'Oklahoma', 74078,
'(408)789-9111', '(408)789-9111', 1500.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'What a Beginning!', '33 Mathew
street', '101A', 'Stillwater', 'Oklahoma', 74076, '(408)888-9111', '(408)888-9111', 1200.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL,'Wedding Bells','31 West street','201
A','Stillwater','Oklahoma',74075,'(408)789-9155','(408)789-9155',1800.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'Make it perfect', '21 N West street', '31', 'Stillwater', 'Oklahoma', 74070,
'(405)789-9111', '(405)789-9111', 1900.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'Heart meeting inc.', '19 S West street', '96 Z', 'Stillwater',
'Oklahoma', 74075, '(412)712-0000', '(411)711-0000', 1000.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'Memory alive wedding', '21 NS Street', '307 C', 'Stillwater',
'Oklahoma', 74073, '(400)789-9111', '(466)789-0911', 1100.00);

INSERT INTO Venue VALUES

(Venue_seq.NEXTVAL, 'Rising Couple memories', '211 N', 'South street',
'Stillwater', 'Oklahoma', 74077, '(402)798-9111', '(402)798-9111', 1300.00);

Insert Data into Type of Plan table

INSERT INTO Type_of_Plan values(Plan_seq.NEXTVAL, 'Basic Plan', 1000.00,

'This plan accommodates 200 people; facilities include 200 chairs, 50 tables, 2 projectors and
200 plates limited food ');

INSERT INTO Type_of_Plan values(Plan_seq.NEXTVAL, 'Silver Plan', 2000.00,

'This plan accommodates 400 people; facilities include 400 chairs, 100 tables, 4 projectors and
400 plates limited food with limited wine ');

```
INSERT INTO Type_of_Plan values(Plan_seq.NEXTVAL, 'Gold Plan', 3000.00,
```

```
'This plan accommodates 600 people; facilities include 600 chairs 150 tables, 4 projectors and buffet with limited wine');
```

```
INSERT INTO Type_of_Plan values(Plan_seq.NEXTVAL, 'Diamond Plan',4000.00,
```

```
'This plan accommodates 800 people, facilities include 1000 chairs 200 tables, 5 projectors and buffet with unlimited wine');
```

```
INSERT INTO Type_of_Plan values(Plan_seq.NEXTVAL, 'Platinum Plan', 5000.00,
```

```
'This plan accommodates 1000 people, facilities include 2000 chairs 250 tables, 7 projectors and buffet with unlimited wine');
```

Insert Data into Event table

```
EXECUTE Insert_Event ( '05-MAY-2018','05-MAY-2018', '09:00 PM','12:30 PM','Booking Confirmed', 1,2,3,4);
```

```
EXECUTE Insert_Event ( '07-JUN-2018','07-JUNE-2018','09:00 AM','07:00 PM','Booking Confirmed', 2,3,1,3);
```

```
EXECUTE Insert_Event ( '05-MAY-2018','05-MAY-2018', '11:00 PM','05:00 PM','Booking Confirmed', 3,1,2,1);
```

```
EXECUTE Insert_Event ( '05-MAY-2018','05-MAY-2018', '11:00 PM','05:00 PM','Booking Confirmed', 4,4,4,1);
```

```
EXECUTE Insert_Event ( '05-MAY-2018','05-MAY-2018', '11:00 PM','05:00 PM','Booking Confirmed', 6,6,5,3);
```

```
EXECUTE Insert_Event ( '05-MAY-2018','05-MAY-2018', '11:00 PM','05:00 PM','Booking Confirmed', 7,7,6,2);
```

```
EXECUTE Insert_Event ( '05-MAY-2018','05-MAY-2018', '11:00 PM','05:00 PM','Booking Confirmed', 8,4,7,1);
```

Viewing the data in the Wedding_Customer table

select * from wedding_customer;	
Script Output x Query Result x Query Result 1 x	
SQL All Rows Fetched: 10 in 0.004 seconds	
USER_NAME	USER_PASS...
CUSTOMER_F...	CUSTOMER...
CUSTOMER_LNAME	CUSTOMER_EMAIL
CUSTOMER_PHONE	CUSTOMER_ADDRESS1
CUS...	CUSTOMER_CITY
CUSTOMER_STATE	CUSTO...
CARD HOLDER...	CUSTOMER...
CUSTOMER_CARDEXP	
1	apollo apol... Apollo (null) Creed Acreed@g... (405) 70... 124 N Duck 101 Stillw... Oklahoma 74074 Apollo... 1234... 01/23
2	roshith rosh... Roshith (null) elangovan roshi@gm... (405) 70... 100 Thorn... 1 A Stillw... Oklahoma 74074 Roshit... 9876... 01/24
3	ashu ashul23 Ashutosh Chandra Sakinala atosh@gm... (405) 80... 28 Buffal... 4... Stillw... Oklahoma 74074 Ashuto... 2345... 01/20
4	krit... kiru Krithika Ganesh Kumar kgens@gm... (405) 77... 206 Jeffe... 14 Stillw... Oklahoma 74074 Krithi... 3456... 04/19
5	arav... ariv... Aravindh (null) Dhanabal adan@gma... (405) 99... 80 S Duck 6 D Stillw... Oklahoma 74074 Aravind D 4567... 07/22
6	Ramya ramm... Ramya (null) Sandeep Rdeep@gm... (705) 70... 34 E Arli... 14 B Stillw... Oklahoma 74074 S Ramya 5646... 06/21
7	ajay... ajay123 Ajay (null) Bhakshi Ajaybaks... (495) 70... 98 W Highway 08 Stillw... Oklahoma 74074 Ajay B 4548... 01/23
8	JoeWill Joel23 Joe (null) Williams Joe.Will... (405) 72... 120 S Hester 32 D Stillw... Oklahoma 74074 Joe W 1237... 01/20
9	steve stev... steve (null) austin saustin@... (505) 70... 124 N lig... 103 Stillw... Oklahoma 74074 Steve ... 5454... 01/29
10	jack jack123 jack (null) sparrow jspar@gm... (605) 70... 124 N rai... 7g Stillw... Oklahoma 74074 Jack S... 2121... 01/26

Viewing the data in the Wedding_Organizer table

select * from wedding_organizer;	
Script Output x Query Result x Query Result 1 x	
SQL All Rows Fetched: 10 in 0.007 seconds	
OR...	ORGANIZER_FNAME
ORGANIZER...	ORGANIZER_LNAME
ORGANIZER_PHONE1	ORGANIZER_PHONE2
ORGANIZER_EMAIL	ORGANIZER_ADDRESS1
ORGANIZER_ADDRESS2	ORGANIZER_CITY
ORGANIZER...	ORGANIZER_PNCODE
1	Mark (null) Zukerburg (405) 368-9099 (201) 876-9099 zukfac@muhurtham.co 127 N Hester st F 21 Stillwater Oklahoma 74078
2	Stephan J Hawking (405) 388-9009 (205) 896-9009 shawking@muhurtham.co 121 N Duck st 11 A stillwater Oklahoma 74078
3	Harry J Potter (405) 300-8809 (205) 806-8809 hpotter@muhurtham.co 10 S Johnson st 17 B Stillwater Oklahoma 74078
4	Jeniffer K Rowling (405) 311-1109 (205) 006-1109 jkrowling@muhurtham.co 100N Burlington st 07 D Stillwater Oklahoma 74077
5	Hermoine G Granger (405) 388-8009 (200) 788-8009 hermoine@muhurtham.co 101 West Avenue 03 D Stillwater Oklahoma 74077
6	Ron (null) Weasley (405) 322-2011 (200) 388-2011 ron@muhurtham.co 101 East Avenue 102 A Stillwater Oklahoma 74079
7	Batman G Superman (405) 312-8111 (200) 312-8111 basuperman@muhurtham.co 106 North block 33 Stillwater Oklahoma 74074
8	snick (null) fury (505) 322-2011 (500) 388-2011 nfury@muhurtham.co 109 Master Avenue 12 P Stillwater Oklahoma 74070
9	koki (null) kumar (605) 322-2011 (600) 388-2011 kkumar@muhurtham.co 899 coat Avenue 17 P Stillwater Oklahoma 74079
10	virat (null) kolhi (705) 322-2011 (700) 388-2011 vkolhi@muhurtham.co 766 coat Avenue 15 P Stillwater Oklahoma 74074

Viewing the data in the Venue table

Worksheet: Query Builder

```
select * from venue;
```

Script Output x Query Result x Query Result 1 x

All Rows Fetched: 8 in 0.011 seconds

	VENUE_ID	VENUE_NAME	VENUE_ADDRESSLINE1	VENUE_ADDRESSLINE2	VENUE_CITY	VENUE_STATE	VENUE_PINCODE	VENUE_PHONE1	VENUE_PHONE2	VENUE_FEE
1	1	Come and Get Married	126 S street	30	Stillwater Oklahoma	74075		(408) 897-9099	(408) 897-2000	1000
2	2	Cloud 9 events	19 N West Street	45	Stillwater Oklahoma	74078		(408) 789-9111	(408) 789-9111	1500
3	3	What a Beginning!	33 Mathew street	101A	Stillwater Oklahoma	74076		(408) 888-9111	(408) 888-9111	1200
4	4	Wedding Bells	31 West street	201 A	Stillwater Oklahoma	74075		(408) 789-9155	(408) 789-9155	1800
5	5	Make it perfect	21 N West street	31	Stillwater Oklahoma	74070		(405) 789-9111	(405) 789-9111	1900
6	6	Heart meeting inc.	19 S West street	96 Z	Stillwater Oklahoma	74075		(412) 712-0000	(411) 711-0000	1000
7	7	Memory alive wedding	21 NS Street	307 C	Stillwater Oklahoma	74073		(400) 789-9111	(466) 789-0911	1100
8	8	Rising Couple memories	211 N South street		Stillwater Oklahoma	74077		(402) 798-9111	(402) 798-9111	1300

Viewing the data in the Type_of_Plan table

Worksheet: Query Builder

```
select * from Type_of_Plan;
```

Script Output x Query Result x Query Result 1 x

All Rows Fetched: 5 in 0.009 seconds

	PLAN_ID	PLAN_NAME	PLAN_FEE	PLAN_DESCRIPTION
1	1	Basic Plan	1000	This plan accommodates 200 people; facilities include 200 chairs, 50 tables, 2 projectors and 200 plates limited food
2	2	Silver Plan	2000	This plan accommodates 400 people; facilities include 400 chairs, 100 tables, 4 projectors and 400 plates limited food with
3	3	Gold Plan	3000	This plan accommodates 600 people; facilities include 600 chairs 150 tables, 4 projectors and buffet with limited wine
4	4	Diamond Plan	4000	This plan accommodates 800 people, facilities include 1000 chairs 200 tables, 5 projectors and buffet with unlimited wine
5	5	Platinum Plan	5000	This plan accommodates 1000 people, facilities include 2000 chairs 250 tables, 7 projectors and buffet with unlimited wine

Compilation of the stored procedure Insert_event

```

CREATE OR REPLACE PROCEDURE Insert_Event (
  p_Event_StartDate  IN Event.Event_StartDate%TYPE,
  p_Event_EndDate    IN Event.Event_EndDate%TYPE,
  p_Event_Start_time IN Event.Event_Start_time%TYPE,
  p_Event_End_time   IN Event.Event_End_time%TYPE,
  p_Event_status     IN Event.Event_status%TYPE,
  p_Customer_Id      IN Wedding_Customer.Customer_Id%TYPE,
  p_Organizer_Id     IN Wedding_Organizer.Organizer_Id%TYPE,
  p_Venue_Id         IN Venue.Venue_Id%TYPE,
  p_Plan_ID          IN Type_of_Plan.Plan_ID%TYPE
)
AS

v_Event_fee  DECIMAL(6,2);
v_Venue_fee  DECIMAL(6,2);
v_Plan_fee   DECIMAL(6,2);

BEGIN
  DBMS_OUTPUT.ENABLE;

```

Script Output x

Task completed in 0.052 seconds

Procedure INSERT_EVENT compiled

Viewing the data in the Event table

```

SELECT * FROM Event;

```

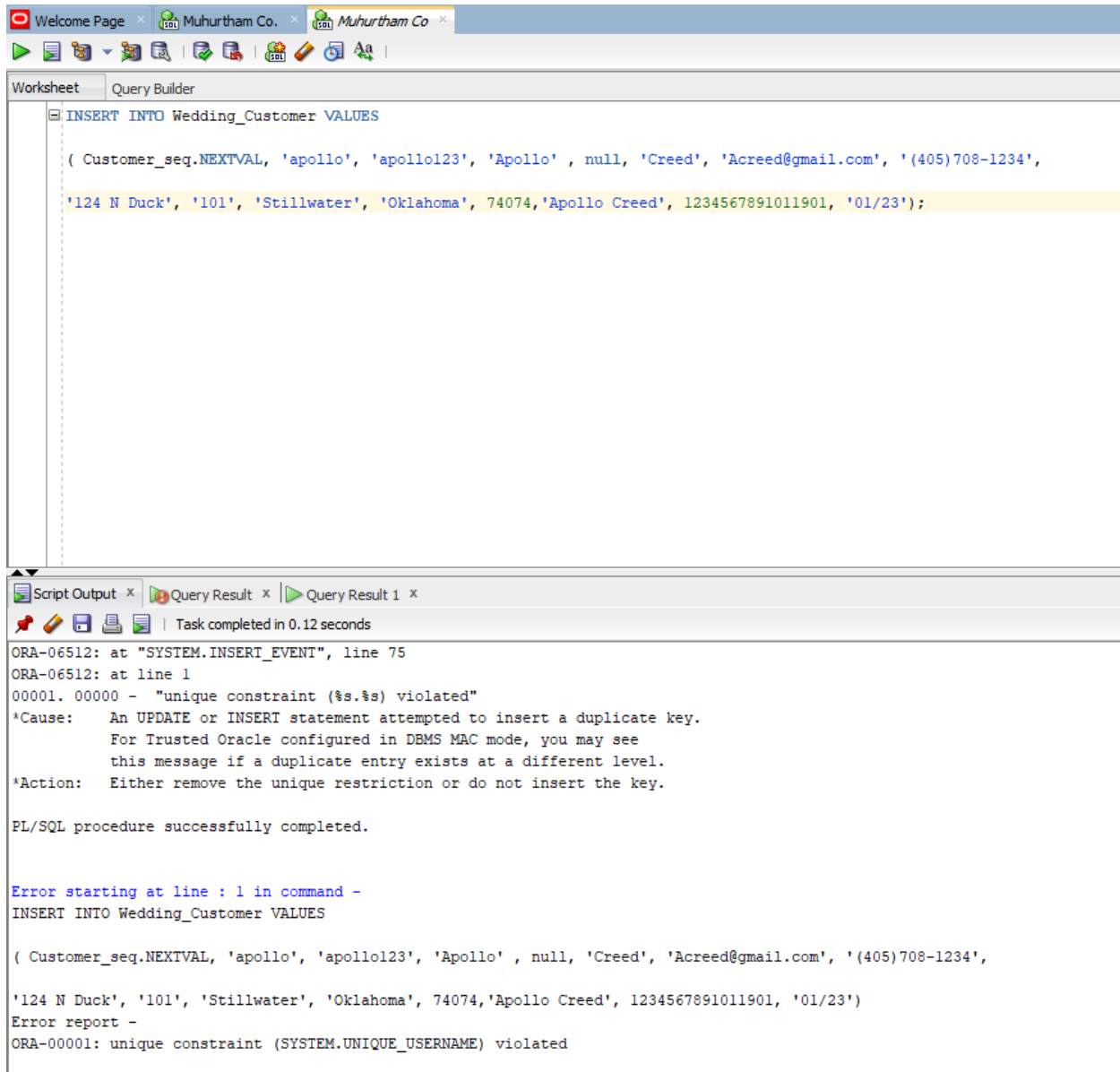
Script Output x Query Result x

All Rows Fetched: 6 in 0.002 seconds

	EVENT_ID	EVENT_STARTDATE	EVENT_ENDDATE	EVENT_START_TIME	EVENT_END_TIME	EVENT_STATUS	EVENT_FEE	CUSTOMER_ID	ORGANIZER_ID	VENUE_ID	PLAN_ID
1	1	05-MAY-18	05-MAY-18	09:00 PM	12:30 PM	Booking Confirmed	5200	1	2	3	4
2	2	07-JUN-18	07-JUN-18	09:00 AM	07:00 PM	Booking Confirmed	4000	2	3	1	3
3	3	05-MAY-18	05-MAY-18	11:00 PM	05:00 PM	Booking Confirmed	2500	3	1	2	1
4	4	05-MAY-18	05-MAY-18	11:00 PM	05:00 PM	Booking Confirmed	2800	4	4	4	1
5	5	05-MAY-18	05-MAY-18	11:00 PM	05:00 PM	Booking Confirmed	4900	6	6	5	3
6	6	05-MAY-18	05-MAY-18	11:00 PM	05:00 PM	Booking Confirmed	3000	7	7	6	2

Implementation of SQL queries

1)When a new customer tries to take an existing user name, the database doesn't allow you to do that:



```
INSERT INTO Wedding_Customer VALUES
( Customer_seq.NEXTVAL, 'apollo', 'apollo123', 'Apollo' , null, 'Creed', 'Acreed@gmail.com', '(405)708-1234',
'124 N Duck', '101', 'Stillwater', 'Oklahoma', 74074,'Apollo Creed', 1234567891011901, '01/23');
```

Script Output x Query Result x Query Result 1 x

Task completed in 0.12 seconds

ORA-06512: at "SYSTEM.INSERT_EVENT", line 75
ORA-06512: at line 1
00001. 00000 - "unique constraint (%s.%s) violated"
*Cause: An UPDATE or INSERT statement attempted to insert a duplicate key.
For Trusted Oracle configured in DBMS MAC mode, you may see
this message if a duplicate entry exists at a different level.
*Action: Either remove the unique restriction or do not insert the key.

PL/SQL procedure successfully completed.

Error starting at line : 1 in command -
INSERT INTO Wedding_Customer VALUES

(Customer_seq.NEXTVAL, 'apollo', 'apollo123', 'Apollo' , null, 'Creed', 'Acreed@gmail.com', '(405)708-1234',

'124 N Duck', '101', 'Stillwater', 'Oklahoma', 74074,'Apollo Creed', 1234567891011901, '01/23')
Error report -
ORA-00001: unique constraint (SYSTEM.UNIQUE_USERNAME) violated

2a) Customer updates password

```
UPDATE Wedding_customer
SET user_password = 'apollo91'
WHERE customer_id=1;
```

Script Output x Query Result x

Task completed in 0.024 seconds

1 row updated.

The updated password for customer_id =1 is shown below

```
SELECT customer_id,
       user_name,
       user_password
FROM Wedding_customer
WHERE customer_id=1;
```

Script Output x Query Result x

All Rows Fetched: 1 in 0.035 seconds

CUSTOMER_ID	USER_NAME	USER_PASSWORD
1	1 apollo	apollo91

3) A venue which is already booked for a date cannot be booked again for the same date.

(Note: the first query below inserts a record into the event table for '20-jun-2018' and for Venue_id =8. When we run the second query, the stored procedure doesn't allow us to insert one more event in the event table with the same start date and venue_id)

```
EXECUTE Insert_Event ( '20-JUN-18','20-JUN-18','11:00 PM','05:00 PM','Booking Confirmed', 6,5,8,2);
EXECUTE Insert_Event ( '20-JUN-18','20-JUN-18','11:00 PM','05:00 PM','Booking Confirmed', 8,7,8,1);
```

Script Output x Query Result x

Task completed in 0.054 seconds

PL/SQL procedure successfully completed.

Error starting at line : 21 in command -
 BEGIN Insert_Event ('20-JUN-18','20-JUN-18','11:00 PM','05:00 PM','Booking Confirmed', 8,7,8,1); END;
 Error report -
 ORA-00001: unique constraint (SYSTEM.UNIQUE_VENUE_ID_STARTDATE) violated
 ORA-06512: at "SYSTEM.INSERT_EVENT", line 40
 ORA-06512: at line 1
 00001. 00000 - "unique constraint (%s.%s) violated"
 *Cause: An UPDATE or INSERT statement attempted to insert a duplicate key.
 For Trusted Oracle configured in DBMS MAC mode, you may see
 this message if a duplicate entry exists at a different level.
 *Action: Either remove the unique restriction or do not insert the key.

The stored procedure run above inserts only 1 record into event table for date= '20-JUN-2018' and venue_id=8

```
SELECT *
FROM event
WHERE event_startdate = '20-JUN-18'
AND venue_id = 8;
```

Script Output x Query Result x

All Rows Fetched: 1 in 0.003 seconds

EVENT_ID	EVENT_STARTDATE	EVENT_ENDDATE	EVENT_START_TIME	EVENT_END_TIME	EVENT_STATUS	EVENT_FEE	CUSTOMER_ID	ORGANIZER_ID	VENUE_ID	PLAN_ID
1	14 20-JUN-18	20-JUN-18	11:00 PM	05:00 PM	Booking Confirmed	3300	6	5	8	2

4) An organizer cannot be assigned to two events on the same date.

(Note: the first query below inserts a record into the event table for '29-may-2018' and for organizer_id =5. When we run the second query, the stored procedure doesn't allow us to insert one more event in the event table with the same start date and organizer_id)


```
EXECUTE Insert_Event ( '29-MAY-2018','29-MAY-2018','11:00 PM','05:00 PM','Booking Confirmed', 6,5,8,2);
EXECUTE Insert_Event ( '29-MAY-2018','29-MAY-2018','11:00 PM','05:00 PM','Booking Confirmed', 8,5,3,1);
```

Script Output x Query Result x

Task completed in 0.05 seconds

PL/SQL procedure successfully completed.

Error starting at line : 21 in command -
 BEGIN Insert_Event ('29-MAY-2018','29-MAY-2018','11:00 PM','05:00 PM','Booking Confirmed', 8,5,3,1); END;
 Error report -
 ORA-00001: unique constraint (SYSTEM.UNIQUE_ORGANIZER_ID_STARTDATE) violated
 ORA-06512: at "SYSTEM.INSERT_EVENT", line 40
 ORA-06512: at line 1
 00001. 00000 - "unique constraint (%s.%s) violated"
 *Cause: An UPDATE or INSERT statement attempted to insert a duplicate key.
 For Trusted Oracle configured in DBMS MAC mode, you may see
 this message if a duplicate entry exists at a different level.
 *Action: Either remove the unique restriction or do not insert the key.

The stored procedure run above inserts only 1 record into event table for date= '29-MAY-2018' and organizer_id = 5

```
SELECT *
FROM event
WHERE event_startdate = '29-MAY-18'
AND organizer_id = 5;
```

Script Output x Query Result x

All Rows Fetched: 1 in 0.003 seconds

EVENT_ID	EVENT_STARTDATE	EVENT_ENDDATE	EVENT_START_TIME	EVENT_END_TIME	EVENT_STATUS	EVENT_FEE	CUSTOMER_ID	ORGANIZER_ID	VENUE_ID	PLAN_ID
1	10 29-MAY-18	29-MAY-18	11:00 PM	05:00 PM	Booking Confirmed	3300	6	5	8	2

5)When we try to book an event with different start and end dates , the event should not be created in the event table.

(Note: the first table shows that the procedure compiled successfully for the dates given below)

```
EXECUTE Insert_Event ( '20-sep-18','28-sep-18','11:00 PM','05:00 PM','Booking Confirmed', 8,7,8,1);
```

Script Output x Query Result x

Task completed in 0.045 seconds

Event Start Date is not equal to Event Start Date

PL/SQL procedure successfully completed.

The below query shows that no record was inserted in the event table as the start date and end date for the event are different.

<pre> SELECT COUNT(*) FROM event WHERE event_startdate = '20-sep-18' AND event_enddate = '28-sep-18' ; </pre>	
<div> <div>Script Output x</div> <div>Query Result x</div> </div> <div> All Rows Fetched: 1 in 0.004 seconds </div>	
COUNT(*)	
1	0

6) Display the count of the events organized by all the organizers.

<pre> SELECT event.Organizer_Id, COUNT(event.event_id) FROM Wedding_Organizer, event WHERE Wedding_Organizer.Organizer_Id = event.Organizer_Id GROUP BY event.Organizer_Id; </pre>	
<div> <div>Script Output x</div> <div>Query Result x</div> </div> <div> All Rows Fetched: 7 in 0.001 seconds </div>	
ORGANIZER_ID	COUNT(EVENT.EVENT_ID)
1	1
2	1
3	1
4	2
5	3
6	1
7	1

CONCLUSION: -

Our problem statement with the need to develop and implement a database for “Muhurtham Co.” a wedding planning company in order to facilitate services to its clients. In the end, we were able to create the database by including all the services we had originally planned on implementing. Utilizing the tools that we learned throughout the course we created an ERD, tagged the metadata, ran queries, executing procedures and implementing the database using SQL. Our ERD was structured with entities such as Customer, Organizer, Event, Venue and Type of plan. We placed checks in conformance with the business rules using procedures. Our team through effective collaboration could successfully create a database that would assist the organization by letting them improve the speed and user experience with the aid of a database.