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Introduction To Database

Faculty: **SIFAT RAHMAN AHONA**

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Group Members:

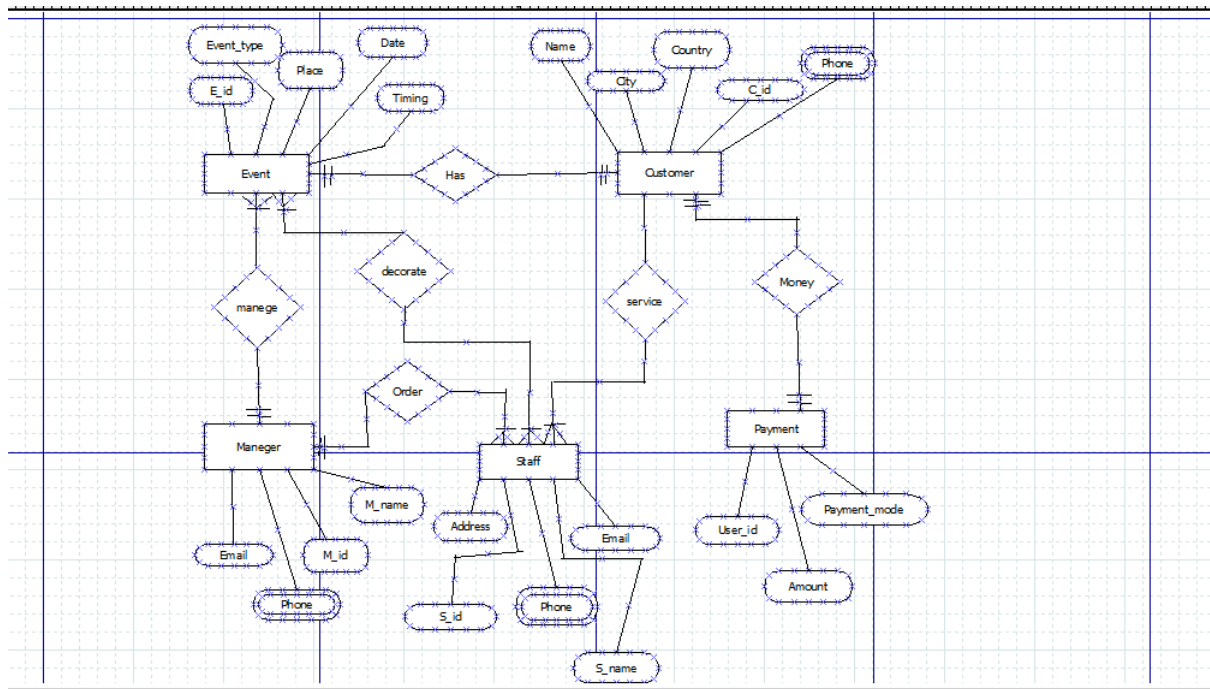| Oishi Chowdhury	18-36807-1	E
MD. Mehedi Hassan Mim	18-36936-1	E
MD. Shafayet Hossain Miahshohan	18-36982-1	E

"Shahjahan Event Management"

Introduction:Shahjahan Event Management organisation is a full service company that provides complete consulting services for Weddings,Anniversaries,Birthday party etc. Our consultants are experienced and dedicated professionals with many years of wedding planning experience. Shahjahan Event Management Organisation is unique in that we give our clients our undivided attention. We listen to their needs and work with them to create the event of their dreams. So that their money becomes an investment for them and not a waste for us.

So in this project,we will discuss about our project topic Shahjahan Event Management with the help of ER-Diagram,Case Study,Normalization etc.

Case Study: Now a day's Event Management is more popular and plays vital role. Event Management is a event, the event has e_id,event_type,place,date,timing. The event has customers and customers also have name,c_id,city,country,phone. The event is managed by manager and manager has m_id,email,phone,m_name. Manager order to the staffs for work. Staff has s_id,s_name,phone,email,address. Event is decorate by the staffs and they give proper service for the customers. In a event,payment is a important part. Customers has to pay money. Payment has amount,user_id,payment_mode. Event Management takes real planning to organise wedding ceremonies,anniversaries,birthday parties and highlights team worked with a company to manage their events.

ER-Diagram:

Normalization:

Has(C_id,Name,City,country,Phone,E_id,Event_type,Place,Date,Timing)

1NF:Phone is multivalued attribute

2NF: C_id,Name,City,country,Phone,E_id

  E_id,Event_type,Place,Date,Timing

3NF: C_id,Name,Phone,E_id,St_id

  St_id,City,country

  E_id,Event_type,Place,Date,Timing

Table: C_id,Name,Phone,E_id,St_id

  St_id,City,country

  E_id,Event_type,Place,Date,Timing

Manage(E_id,Event_type,Place,Date,Timing,M_id,Email,Phone,M_name)

1NF: Phone is multivalued attribute

2NF: <u>E_id</u>,Event_type,Place,Date,Timing,M_id

   <u>M_id</u>,Email,Phone,M_name

3NF:No transitive dependenc

Table: <u>E_id</u>,Event_type,Place,Date,Timing,M_id

   <u>M_id</u>,Email,Phone,M_name

Services(<u>S_id</u>,Phone,S_name,Email,Address, <u>C_id</u>,Name,City,country,Phone)

1NF: Phone is multivalued attribute

2NF: <u>S_id</u>,Phone,S_name,Email,Address, C_id

   <u>C_id</u>,Name,City,country,Phone

3NF: <u>C_id</u>,Name,Phone,St_id

   St_id, City,country

   <u>S_id</u>,Phone,S_name,Email,Address,<u>C_id</u>

Table: <u>C_id</u>,Name,Phone,St_id

   St_id, City,country

   <u>S_id</u>,Phone,S_name,Email,Address,<u>C_id</u>

Money(<u>C_id</u>,Name,City,country,Phone, <u>User_id</u>, Amount,Payment_mode)

1NF: Phone is multivalued attribute

2NF: <u>C_id</u>,Name,City,country,Phone

   <u>User_id</u>,Amount,Payment_mode,C_id

3NF: <u>C_id</u>,Name,Phone,St_id

   St_id, City,country

   <u>User_id</u>,Amount,Payment_mode,C_id

Table: <u>C_id</u>,Name,Phone,St_id

   <u>St_id</u>, City,country

<u>User_id</u>,Amount,Payment_mode,C_id

Decorate(<u>E_id</u>,Event_type,Place,Date,Timing,
<u>S_id</u>,Phone,S_name,Email,Address)

1NF: Phone is multivalued attribute

2NF: <u>E_id</u>,Event_type,Place,Date,Timing

    <u>S_id</u>,Phone,S_name,Email,Address

    <u>St_id</u>, <u>S_id</u>,<u>E_id</u>

3NF: No transitive dependency

Table: <u>E_id</u>, Event_type, Place, Date, Timing

    <u>S_id</u>, Phone, S_name, Email, Address

    <u>St_id</u>, <u>S_id</u>,<u>E_id</u>

Order(<u>S_id</u>,Phone,S_name,Email,Address, <u>M_id</u>,Email,Phone,M_name)

1NF: Phone is multivalued attribute

2NF: <u>S_id</u>,Phone,S_name,Email,Address,M_id

    <u>M_id</u>,Email,Phone,M_name

3NF: No transitive dependency

Table: <u>S_id</u>,Phone,S_name,Email,Address,M_id

    <u>M_id</u>,Email,Phone,M_name

Table:

    <u>C_id</u>,Name,Phone,E_id,St_id

    <u>St_id</u>,City,country

    <u>E_id</u>,Event_type,Place,Date,Timing

    <u>E_id</u>,Event_type,Place,Date,Timing,M_id

    <u>M_id</u>,Email,Phone,M_name

    <u>C_id</u>,Name,Phone,St_id

St_id, City,country

S_id,Phone,S_name,Email,Address, C_id

C_id,Name,Phone,St_id

St_id, City,country

User_id,Amount,Payment_mode,C_id

E_id,Event_type,Place,Date,Timing

S_id,Phone,S_name,Email,Address

St_id, S_id,E_id

S_id,Phone,S_name,Email,Address,M_id

M_id,Email,Phone,M_name

Final Table:

C_id,Name,Phone,E_id,St_id

St_id,City,country

E_id,Event_type,Place,Date,Timing,M_id

M_id,Email,Phone,M_name

S_id,Phone,S_name,Email,Address, C_id

St_id, S_id,E_id

User_id,Amount,Payment_mode,C_id

S_id,Phone,S_name,Email,Address,M_id

#Customer table:

Create table customer

(

c_Id number (2) constraint pk_customer primary key,

c_Name varchar2 (15),

c_phone number (30),

E_id number (20),

st_id number (10)

)

DESC customer

Object Type	TABLE Object	CUSTOMER							
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER	C_ID	Number	-	2	0	1	-	-	-
	C_NAME	Varchar2	15	-	-	-	✓	-	-
	C_PHONE	Number	-	30	0	-	✓	-	-
	E_ID	Number	-	10	0	-	✓	-	-
	ST_ID	Number	-	10	0	-	✓	-	-
									1 - 5

#insert into table:

insert into
customer(c_id,c_Name,c_phone,E_id,st_id)values(01,'Rahim',01719678911,1011,201);

insert into
customer(c_id,c_Name,c_phone,E_id,st_id)values(02,'Karim','01919678456',1012,202);

insert into
customer(c_id,c_Name,c_phone,E_id,st_id)values(03,'Sharif',01817677765,1013,203);

insert into
customer(c_id,c_Name,c_phone,E_id,st_id)values(04,'Rimi',01923458128,1014,204);

insert into customer(c_id,c_Name,c_phone,E_id,st_id)values(05,'Kajiz',01634895313,1015,205)

Select *from customer

C_ID	C_NAME	C_PHONE	E_ID	ST_ID
1	Rahim	1719678911	1011	201
2	Karim	1919678456	1012	202
3	Sharif	1817677765	1013	203
4	Rimi	1923458128	1014	204
5	Kajiz	1634895313	1015	205

#Address table:

Create table Address

(

St_Id number (5) constraint pk_Address primary key,

City varchar2 (15),

Country varchar2(30)

)

DESC address

Object Type TABLE Object ADDRESS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ADDRESS	ST_ID	Number	-	2	0	1	-	-	-
	CITY	Varchar2	15	-	-	-	✓	-	-
	COUNTRY	Varchar2	30	-	-	-	✓	-	-
									1 - 3

#insert into table :

Insert into Address values (201,'Dhaka','Bnagladesh');

Insert into Address values (202,'Chittagong','Bnagladesh');

Insert into Address values (203,'Sylhet','Bnagladesh');

Insert into Address values (204,'Rajshahi','Bnagladesh');

Insert into Address values (205,'Barishal','Bnagladesh');

Select *from Address

ST_ID	CITY	COUNTRY
201	Dhaka	Bnagladesh
202	Chittagong	Bnagladesh
203	Sylhet	Bnagladesh
204	Rajshahi	Bnagladesh
205	Barishal	Bnagladesh

#Event table:

Create table Event

(

E_id_Id number (5) constraint pk_Event primary key,

E_type varchar2 (15),

Place varchar2(30),

E_date date ,

Timing varchar2(20),

m_id number (10)

)

DESC Event

Object Type TABLE Object EVENT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EVENT	E_ID_ID	Number	-	5	0	1	-	-	-
	E_TYPE	Varchar2	15	-	-	-	✓	-	-
	PLACE	Varchar2	30	-	-	-	✓	-	-
	E_DATE	Date	7	-	-	-	✓	-	-
	TIMING	Varchar2	20	-	-	-	✓	-	-
	M_ID	Number	-	10	0	-	✓	-	-
									1 - 6

Insert into Event values (1011,'Anniversary','Khulna','20-April-2019','8pm','5011')

Insert into Event values (1012,'Birthday','Dhaka','21-June-2019','10am','5012');

Insert into Event values (1013,'Wedding','Chittagong','13-July-2019','12pm','5013');

Insert into Event values (1014,'Party','Barishal','20-May-2019','1pm','5014');

Insert into Event values (1015,'Holud','Rongpur','10-may-2019','4pm','5015');

Select *from Event

E_ID_ID	E_TYPE	PLACE	E_DATE	TIMING	M_ID
1011	Anniversary	Khulna	20-APR-19	8am	5011
1012	Birthday	Dhaka	21-JUN-19	10am	5012
1013	Wedding	Chittagong	13-JUL-19	12pm	5013
1014	Party	Barishal	20-MAY-19	1pm	5014
1015	Holud	Rongpur	10-MAY-19	4pm	5015

5 rows returned in 0.00 seconds   CSV Export

Quarry Question :

#Group fun

1.Write a query to display the names of customers using alias name " Name",
"customer id".

2.Write a query to get all event details from the event table order by event type,
descending.

#Sub query

1.Write a query to find the name of all place where customer 'Rimi' bookesd .

2.Write a query to get the customer ID, event type, event date where customer
id is 05.

#join

1.Write a query to find all the coustomer name who live in Barishal.

2.Show all event place to "Dhaka" with the names of employee and the timing .

#view

1.Create a view named ADDRESS_VIEW displaying employee id, city,country.

2.Create a view named Event_VIEW showing all place for Anniversary and
Birthday.

#any
1.Write a query to find the name of the employee whoes employee id is 205.

2.Write a query to display the name of all event type and their event date.

SEQUENCE

create SEQUENCE costumer_sq

increment by 1

start with 01

maxvalue 5

nocycle

nocache

#create sequence

Create table customer

(

c_Id number (2) constraint pk_customer primary key,

c_Name varchar2 (15),

c_phone number (30),

E_id number (20),

st_id number (10)

)

insert into customer(c_id,c_Name,c_phone,E_id,st_id)values(customer_sq.NEXTVAL,'Rahim',01719678911,1011,201);

insert into customer(c_id,c_Name,c_phone,E_id,st_id)values(customer_sq.NEXTVAL,'Karim','01919678456',1012,202);

insert into customer(c_id,c_Name,c_phone,E_id,st_id)values(customer_sq.NEXTVAL,'Sharif',01817677765,1013,203);

insert into customer(c_id,c_Name,c_phone,E_id,st_id)values(customer_sq.NEXTVAL,'Rimi',01923458128,1014,204);

insert into customer(c_id,c_Name,c_phone,E_id,st_id)values(customer_sq.NEXTVAL,'Kajiz',01634895313,1015,205)

select *from customer

C_ID	C_NAME	C_PHONE	E_ID	ST_ID
1	Rahim	1719678911	1011	201
2	Karim	1919678456	1012	202
3	Sharif	1817677765	1013	203
4	Rimi	1923458128	1014	204
5	Kajiz	1634895313	1015	205

5 rows returned in 0.08 seconds   CSV Export

#Address table:

create SEQUENCE address_sq

increment by 1

start with 1

maxvalue 5

nocycle

nocache

#sequence create

Create table Address

(

St_Id number (5) constraint pk_Address primary key,

City varchar2 (15),

Country varchar2(30)

)

Insert into Address values (Address_sq.NEXTVALL,'Dhaka','Bnagladesh');

Insert into Address values (Address_sq.NEXTVAL,'Chittagong','Bnagladesh');

Insert into Address values (Address_sq.NEXTVAL,'Sylhet','Bnagladesh');

Insert into Address values (Address_sq.NEXTVAL,'Rajshahi','Bnagladesh');

Insert into Address values (Address_sq.NEXTVAL,'Barishal','Bnagladesh');

select*from address

ST_ID	CITY	COUNTRY
201	Dhaka	Bnagladesh
202	Chittagong	Bnagladesh
203	Sylhet	Bnagladesh
204	Rajshahi	Bnagladesh
205	Barishal	Bnagladesh
1	Dhaka	Bnagladesh
2	Chittagong	Bnagladesh
3	Sylhet	Bnagladesh
4	Rajshahi	Bnagladesh
5	Barishal	Bnagladesh

#Event table:

create SEQUENCE event_sq

increment by 1

start with 01

maxvalue 5

nocycle

nocache

Create table Event

(

E_id_Id number (5) constraint pk_Event primary key,

E_type varchar2 (15),

Place varchar2(30),

E_date date ,

Timing varchar2(20),

m_id number (10)

)

drop table event

Insert into Event values (event_sq.NEXTVAL,'Anniversary','Khulna','20-April-2019','8pm','5011')

Insert into Event values (event_sq.NEXTVAL,'Birthday','Dhaka','21-June-2019','10am','5012');

Insert into Event values (event_sq.NEXTVAL,'Wedding','Chittagong','13-July-2019','12pm','5013');

Insert into Event values (event_sq.NEXTVAL,'Party','Barishal','20-May-2019','1pm','5014');

Insert into Event values (event_sq.NEXTVAL,'Holud','Rongpur','10-may-2019','4pm','5015');

select *from event

E_ID_ID	E_TYPE	PLACE	E_DATE	TIMING	M_ID
1	Anniversary	Khulna	20-APR-19	8pm	5011
2	Birthday	Dhaka	21-JUN-19	10am	5012
3	Wedding	Chittagong	13-JUL-19	12pm	5013
4	Party	Barishal	20-MAY-19	1pm	5014
5	Holud	Rongpur	10-MAY-19	4pm	5015

5 rows returned in 0.00 seconds   CSV Export

Thank you