

# Event System

Lab 9

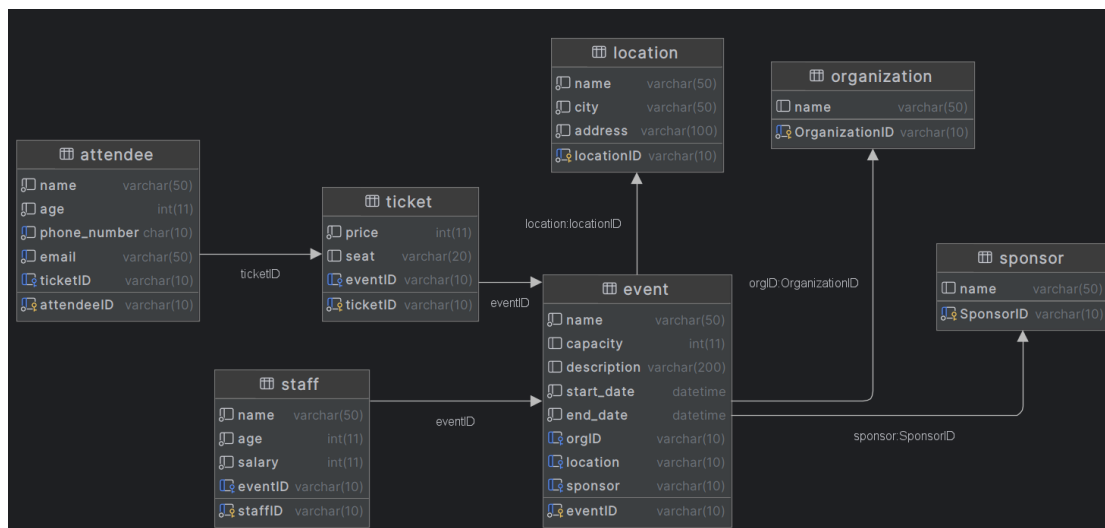
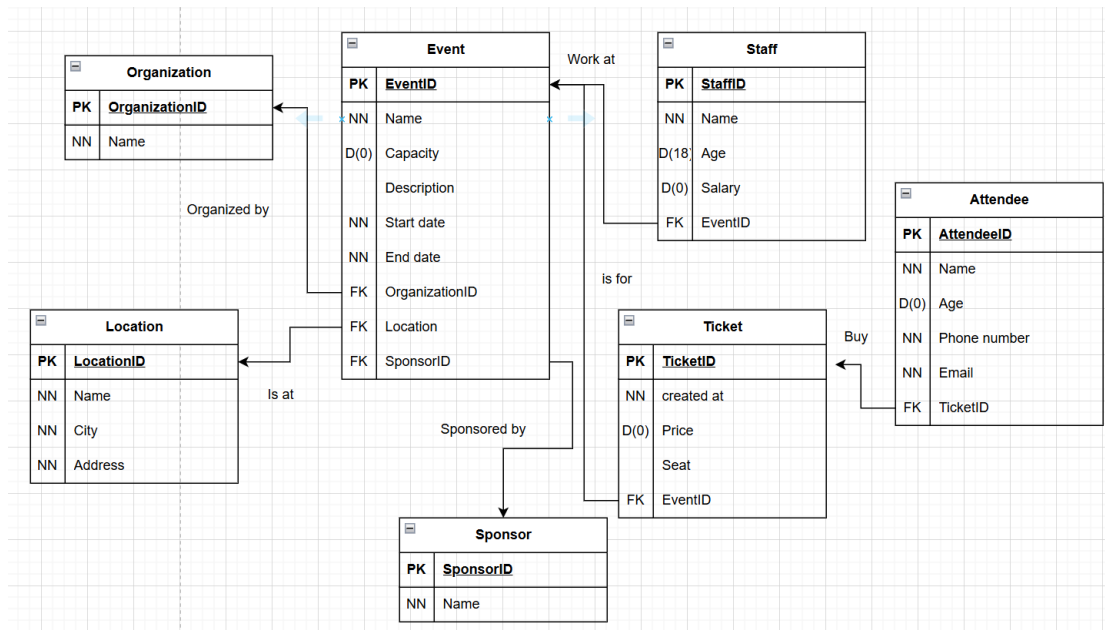
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# Event System

## Diagrams



# CRUD

```
insert into organization values ('0000000001','Org1');
insert into organization values ('0000000002','Org2');
insert into organization values ('0000000003','Org3');
insert into organization values ('0000000004','Org4');
insert into organization values ('0000000005','Org5');
```

```
select * from organization;
```

	OrganizationID	name
1	0000000001	Org1
2	0000000002	Org2
3	0000000003	Org3
4	0000000004	Org4
5	0000000005	Org5

```
update organization set name='Saudi fed for cybersecurity programming & drones'
where OrganizationID='0000000001';
```

```
select * from organization;
```

	OrganizationID	name
1	0000000001	Saudi fed for cybersecurity programming & drones
2	0000000002	Org2
3	0000000003	Org3
4	0000000004	Org4
5	0000000005	Org5

```
delete from organization where OrganizationID='0000000005';
```

```
select * from organization;
```

	OrganizationID	name
1	0000000001	Saudi fed for cybersecurity programming & drones
2	0000000002	Org2
3	0000000003	Org3
4	0000000004	Org4

```

insert into Location values ('000000001','location1','city1','myAddress1');
insert into Location values ('000000002','location2','city2','myAddress2');
insert into Location values ('000000003','location3','city3','myAddress3');
insert into Location values ('000000004','location4','city4','myAddress4');
insert into Location values ('000000005','location5','city5','myAddress5');

```

```
select * from Location;
```

	locationID	name	city	address
1	000000001	location1	city1	myAddress1
2	000000002	location2	city2	myAddress2
3	000000003	location3	city3	myAddress3
4	000000004	location4	city4	myAddress4
5	000000005	location5	city5	myAddress5

```

update location set name='Exhibition and convention center',
city='Riyadh',address='Riyadh Exhibition and convention center malham 24215' where
locationID='000000001';

```

```
select * from Location;
```

	locationID	name	city	address
1	000000001	Exhibition and convention center	Riyadh	Riyadh Exhibition and convention center malham 2...
2	000000002	location2	city2	myAddress2
3	000000003	location3	city3	myAddress3
4	000000004	location4	city4	myAddress4
5	000000005	location5	city5	myAddress5

```
delete from location where locationID='000000005';
```

```
select * from Location;
```

	locationID	name	city	address
1	000000001	Exhibition and convention center	Riyadh	Riyadh Exhibition and convention center malh...
2	000000002	location2	city2	myAddress2
3	000000003	location3	city3	myAddress3
4	000000004	location4	city4	myAddress4

```

insert into Sponsor values ('0000000001','Sponsor1');
insert into Sponsor values ('0000000002','Sponsor2');

```

```
insert into Sponsor values ('0000000003','Sponsor3');
insert into Sponsor values ('0000000004','Sponsor4');
insert into Sponsor values ('0000000005','Sponsor5');
```

```
select * from Sponsor;
```

	SponsorID	name
1	0000000001	Sponsor1
2	0000000002	Sponsor2
3	0000000003	Sponsor3
4	0000000004	Sponsor4
5	0000000005	Sponsor5

```
update sponsor set name='Nournet' where SponsorID='0000000001';
```

```
select * from Sponsor;
```

	SponsorID	name
1	0000000001	Nournet
2	0000000002	Sponsor2
3	0000000003	Sponsor3
4	0000000004	Sponsor4
5	0000000005	Sponsor5

```
delete from Sponsor where SponsorID='0000000005';
```

```
select * from Sponsor;
```

	SponsorID	name
1	0000000001	Nournet
2	0000000002	Sponsor2
3	0000000003	Sponsor3
4	0000000004	Sponsor4

```
insert into Event values ('0000000001','event1',1,'my Event 1','2024-11-26','2024-11-
```

```
28,'0000000001','000000001','0000000001');
insert into Event values ('0000000002','event2',1,'my Event 2','2024-11-27','2024-11-29','0000000002','000000002','0000000002');
insert into Event values ('0000000003','event3',1,'my Event 3','2024-11-28','2024-11-30','0000000003','000000003','0000000003');
insert into Event values ('0000000004','event4',1,'my Event 4','2024-11-29','2024-12-01','0000000004','000000004','0000000004');
insert into Event values ('0000000005','event5',1,'my Event 5','2024-11-30','2024-12-02','0000000004','000000004','0000000004');

select * from Event;
```

eventID	name	capacity	description	start_date	end_date	on
1 0000000001	event1		1 my Event 1	2024-11-26 00:00:00	2024-11-28 00:00:00	00000
2 0000000002	event2		1 my Event 2	2024-11-27 00:00:00	2024-11-29 00:00:00	00000
3 0000000003	event3		1 my Event 3	2024-11-28 00:00:00	2024-11-30 00:00:00	00000
4 0000000004	event4		1 my Event 4	2024-11-29 00:00:00	2024-12-01 00:00:00	00000
5 0000000005	event5		1 my Event 5	2024-11-30 00:00:00	2024-12-02 00:00:00	00000

```
update Event set name='BlackHat MEA 2024',capacity=2000,description='Biggest cybersecurity event of the year'where eventID='0000000001';

select * from Event;
```

eventID	name	capacity	description	start_date	end_date
1 000001	BlackHat MEA 2024	2000	Biggest cybersecurity event of the year	2024-11-26 00:00:00	2024-11-28 00:00:00
2 000002	event2		1 my Event 2	2024-11-27 00:00:00	2024-11-29 00:00:00
3 000003	event3		1 my Event 3	2024-11-28 00:00:00	2024-11-30 00:00:00
4 000004	event4		1 my Event 4	2024-11-29 00:00:00	2024-12-01 00:00:00
5 000005	event5		1 my Event 5	2024-11-30 00:00:00	2024-12-02 00:00:00

```
delete from Event where eventID='0000000005';

select * from Event;
```

eventID	name	capacity	description	start_date	end_date
1 000001	BlackHat MEA 2024	2000	Biggest cybersecurity event of the year	2024-11-26 00:00:00	2024-11-28 00:00:00
2 000002	event2		1 my Event 2	2024-11-27 00:00:00	2024-11-29 00:00:00
3 000003	event3		1 my Event 3	2024-11-28 00:00:00	2024-11-30 00:00:00
4 000004	event4		1 my Event 4	2024-11-29 00:00:00	2024-12-01 00:00:00

```
insert into Staff values ('0000000001','staff1',default,default,'0000000001');
insert into Staff values ('0000000002','staff2',20,4500,'0000000002');
insert into Staff values ('0000000003','staff3',21,4600,'0000000003');
insert into Staff values ('0000000004','staff4',22,4700,'0000000004');
insert into Staff values ('0000000005','staff5',23,4800,'0000000004');

select * from Staff;
```

	staffID	name	age	salary	eventID
1	0000000001	staff1	18		0000000001
2	0000000002	staff2	20	4500	0000000002
3	0000000003	staff3	21	4600	0000000003
4	0000000004	staff4	22	4700	0000000004
5	0000000005	staff5	23	4800	0000000004

update Staff set name='Mohammed',age=25,salary=6000 where staffID='0000000001';

select \* from Staff;

	staffID	name	age	salary	eventID
1	0000000001	Mohammed	25	6000	0000000001
2	0000000002	staff2	20	4500	0000000002
3	0000000003	staff3	21	4600	0000000003
4	0000000004	staff4	22	4700	0000000004
5	0000000005	staff5	23	4800	0000000004

delete from Staff where staffID='0000000005';

select \* from Staff;

	staffID	name	age	salary	eventID
1	0000000001	Mohammed	25	6000	0000000001
2	0000000002	staff2	20	4500	0000000002
3	0000000003	staff3	21	4600	0000000003
4	0000000004	staff4	22	4700	0000000004

insert into Ticket values ('0000000001',default,null,'0000000001');

insert into Ticket values ('0000000002',50,'25B','0000000002');

insert into Ticket values ('0000000003',150,'225A','0000000003');

insert into Ticket values ('0000000004',10,'500C','0000000004');

insert into Ticket values ('0000000005',95,'12D','0000000004');

select \* from Ticket;

	ticketID	price	seat	eventID
1	0000000001	0	<null>	0000000001
2	0000000002	50	25B	0000000002
3	0000000003	150	225A	0000000003
4	0000000004	10	500C	0000000004
5	0000000005	95	12D	0000000004



```
update Ticket set seat='25A' where ticketID ='0000000003';
```

```
select * from Ticket;
```

	ticketID	price	seat	eventID
1	0000000001	0	<null>	0000000001
2	0000000002	50	25B	0000000002
3	0000000003	150	25A	0000000003
4	0000000004	10	500C	0000000004
5	0000000005	95	12D	0000000004

```
delete from Ticket where ticketID='0000000005';
```

```
select * from Ticket;
```

	ticketID	price	seat	eventID
1	0000000001	0	<null>	0000000001
2	0000000002	50	25B	0000000002
3	0000000003	150	25A	0000000003
4	0000000004	10	500C	0000000004

```
insert into Attendee values
```

```
('0000000001','name1',default,'1111111111','myEmail1','0000000001');
```

```
insert into Attendee values
```

```
('0000000002','name2',default,'2222222222','myEmail2','0000000002');
```

```
insert into Attendee values
```

```
('0000000003','name3',default,'3333333333','myEmail3','0000000003');
```

```
insert into Attendee values
```

```
('0000000004','name4',default,'4444444444','myEmail4','0000000004');
```

```
insert into Attendee values
```

```
('0000000005','name5',default,'5555555555','myEmail5','0000000004');
```

```
select * from Attendee;
```

	attendeeID	name	age	phone_number	email	ticketID
1	0000000001	name1	0	1111111111	myEmail1	0000000001
2	0000000002	name2	0	2222222222	myEmail2	0000000002
3	0000000003	name3	0	3333333333	myEmail3	0000000003
4	0000000004	name4	0	4444444444	myEmail4	0000000004
5	0000000005	name5	0	5555555555	myEmail5	0000000004

update Attendee set

name='Waleed',age=29,phone\_number='0592787142';email='waleedAlthebiany@gmail.com' where attendeeID='0000000001';

select \* from Attendee;

	attendeeID	name	age	phone_number	email	ticketID
1	0000000001	Waleed	29	0592787142	waleedAlthebiany@gmail.com	0000000001
2	0000000002	name2	0	2222222222	myEmail2	0000000002
3	0000000003	name3	0	3333333333	myEmail3	0000000003
4	0000000004	name4	0	4444444444	myEmail4	0000000004
5	0000000005	name5	0	5555555555	myEmail5	0000000004

delete from Attendee where attendeeID='0000000005';

select \* from Attendee;

	attendeeID	name	age	phone_number	email	ticketID
1	0000000001	Waleed	29	0592787142	waleedAlthebiany@gmail.com	0000000001
2	0000000002	name2	0	2222222222	myEmail2	0000000002
3	0000000003	name3	0	3333333333	myEmail3	0000000003
4	0000000004	name4	0	4444444444	myEmail4	0000000004

## Code

```
create database Event_System;
```

```
create table Organization(  
    OrganizationID varchar(10) primary key ,  
    name Varchar(50)  
);
```

```
create table Location(  
    locationID varchar(10) primary key ,  
    name Varchar(50) not null ,  
    city varchar(50) not null ,  
    address varchar(100) not null  
);
```

```
create table Sponsor(  
    SponsorID varchar(10) primary key ,
```

```
    name varchar(50)
);
```

```
create table Event(
    eventID varchar(10) primary key ,
    name varchar(50) not null ,
    capacity int DEFAULT (0),
    description varchar(200),
    start_date DATETIME not null ,
    end_date DATETIME not null ,
    orgID varchar(10),
    foreign key (orgID) references Organization (organizationid),
    location varchar(10),
    foreign key (location) references Location (locationID),
    sponsor varchar(10),
    foreign key (sponsor) references Sponsor (SponsorID)
);
```

```
create table Staff(
    staffID varchar(10) primary key ,
    name varchar(50) not null ,
    age int not null DEFAULT 18,
    salary int not null default 0,
    eventID varchar(10),
    foreign key (eventID) references Event (eventID)
);
```

```
create table Ticket(
    ticketID varchar(10) primary key ,
    price int not null DEFAULT 0,
    seat varchar(20),
    eventID varchar(10),
    foreign key (eventID) references Event (eventID)
);
```

```
create table Attendee (
    attendeeID varchar(10) primary key ,
    name varchar(50) not null ,
    age int not null default 0,
    phone_number char(10) unique not null ,
    email varchar(50) unique not null ,
    ticketID varchar(10),
    foreign key (ticketID) references Ticket (ticketID)
);
```

```
insert into organization values ('0000000001','Org1');
insert into organization values ('0000000002','Org2');
insert into organization values ('0000000003','Org3');
```

```
insert into organization values ('0000000004','Org4');
insert into organization values ('0000000005','Org5');
```

```
select * from organization;
```

```
update organization set name='Saudi fed for cybersecurity programming & drones'
where OrganizationID='0000000001';
```

```
select * from organization;
```

```
delete from organization where OrganizationID='0000000005';
```

```
select * from organization;
```

```
insert into Location values ('0000000001','location1','city1','myAddress1');
insert into Location values ('0000000002','location2','city2','myAddress2');
insert into Location values ('0000000003','location3','city3','myAddress3');
insert into Location values ('0000000004','location4','city4','myAddress4');
insert into Location values ('0000000005','location5','city5','myAddress5');
```

```
select * from Location;
```

```
update location set name='Exhibition and convention center',
city='Riyadh',address='Riyadh Exhibition and convention center malham 24215' where
locationID='0000000001';
```

```
select * from Location;
```

```
delete from location where locationID='0000000005';
```

```
select * from Location;
```

```
insert into Sponsor values ('0000000001','Sponsor1');
insert into Sponsor values ('0000000002','Sponsor2');
insert into Sponsor values ('0000000003','Sponsor3');
insert into Sponsor values ('0000000004','Sponsor4');
insert into Sponsor values ('0000000005','Sponsor5');
```

```
select * from Sponsor;
```

```
update sponsor set name='Nournet' where SponsorID='0000000001';
```

```
select * from Sponsor;
```

```
delete from Sponsor where SponsorID='0000000005';
```

```
select * from Sponsor;
```

```
insert into Event values ('0000000001','event1',1,'my Event 1','2024-11-26','2024-11-28','0000000001','0000000001','0000000001');
insert into Event values ('0000000002','event2',1,'my Event 2','2024-11-27','2024-11-29','0000000002','0000000002','0000000002');
insert into Event values ('0000000003','event3',1,'my Event 3','2024-11-28','2024-11-30','0000000003','0000000003','0000000003');
insert into Event values ('0000000004','event4',1,'my Event 4','2024-11-29','2024-12-01','0000000004','0000000004','0000000004');
insert into Event values ('0000000005','event5',1,'my Event 5','2024-11-30','2024-12-02','0000000004','0000000004','0000000004');
```

```
select * from Event;
```

```
update Event set name='BlackHat MEA 2024',capacity=2000,description='Biggest cybersecurity event of the year'where eventID='0000000001';
```

```
select * from Event;
```

```
delete from Event where eventID='0000000005';
```

```
select * from Event;
```

```
insert into Staff values ('0000000001','staff1',default,default,'0000000001');
insert into Staff values ('0000000002','staff2',20,4500,'0000000002');
insert into Staff values ('0000000003','staff3',21,4600,'0000000003');
insert into Staff values ('0000000004','staff4',22,4700,'0000000004');
insert into Staff values ('0000000005','staff5',23,4800,'0000000004');
```

```
select * from Staff;
```

```
update Staff set name='Mohammed',age=25,salary=6000 where staffID='0000000001';
```

```
select * from Staff;
```

```
delete from Staff where staffID='0000000005';
```

```
select * from Staff;
```

```
insert into Ticket values ('0000000001',default,null,'0000000001');
insert into Ticket values ('0000000002',50,'25B','0000000002');
insert into Ticket values ('0000000003',150,'225A','0000000003');
insert into Ticket values ('0000000004',10,'500C','0000000004');
insert into Ticket values ('0000000005',95,'12D','0000000004');
```

```
select * from Ticket;
```

```
update Ticket set seat='25A' where ticketID = '0000000003';
```

```
select * from Ticket;
```

```
delete from Ticket where ticketID='0000000005';
```

```
select * from Ticket;
```

```
insert into Attendee values
```

```
('0000000001','name1',default,'1111111111','myEmail1','0000000001');
```

```
insert into Attendee values
```

```
('0000000002','name2',default,'2222222222','myEmail2','0000000002');
```

```
insert into Attendee values
```

```
('0000000003','name3',default,'3333333333','myEmail3','0000000003');
```

```
insert into Attendee values
```

```
('0000000004','name4',default,'4444444444','myEmail4','0000000004');
```

```
insert into Attendee values
```

```
('0000000005','name5',default,'5555555555','myEmail5','0000000004');
```

```
select * from Attendee;
```

```
update Attendee set
```

```
name='Waleed',age=29,phone_number='0592787142',email='waleedAlthebiany@gmail.com' where attendeeID='0000000001';
```

```
select * from Attendee;
```

```
delete from Attendee where attendeeID='0000000005';
```

```
select * from Attendee;
```