



# Data-Base Project

Omama Mohammed AlNajjar-18P2797

# Faculty Conference

# Management System

## PROJECT REQUIMENT.

### Objective

1. **Develop** a proposal for the project. First, groups should submit for approval their project ideas. This proposal should include: A separate cover page indicating the title of your project, the full names of the group members, the group number, the course number and the course name. A description of the problem being addressed and the application being created.

2. **Systems Analysis** The next step is for the group to draw an Entity Relationship diagram.

3. **Relational Modeling** Given the E-R diagram and sets of attributes for each entity, the next step is to convert the E-R model into a relational model.

4. **Database Implementation** Groups should then implement the database tables from the set of relations created in the previous step. Data should be supplied for each table.

## - proposal for the project

The system is supposed to help the researcher to plan a time for his conference and help the attendant to attend the conferences he's interested in

All that happens by the supervision of the organizer

The organizer take the conferences information from the researcher, gives him a date for his conference, announce it and help the attendant to attend it

Then the organizer helps the researcher to prints his papers after the conference is finished

The system also helps the user to find conferences he's interested in.

- User is consider as attendee, resercher and organizer.
- Tables of researcher and organizer for specific attributes

# Relations

- Any user can attend any conference  
Researcher has many papers, paper has only researcher.
- Conference has only one researcher and one organizer.
- Researcher can represent in many conferences.
- Organizer can organize many conferences.
- Conference must have an organizer, an researcher and attendees.
- Conference may have a ticket

# Queries

## Insert user

```
INSERT INTO `conferencebd`.`user`  
(`ssn`,  
`first_name`,  
`last_name`,  
`position`,  
`password`,  
`email`,  
`phone`,  
`birthdate`,  
`interestingfield`)  
VALUES  
("299", "omer", "ahmed", "usr", "123", "omer@gmail.com", "0121133", "12/12/2000", "AI");
```

---

```
INSERT INTO `conferencebd`.`user`  
(`ssn`,  
`first_name`,  
`last_name`,  
`position`,  
`password`,  
`email`,  
`phone`,  
`birthdate`,  
`interestingfield`)
```

VALUES

```
("292", "samer", "ahmed", "res", "123", "samer@gmail.com", "0121133", "12/1/1999", "DB");
```

```
INSERT INTO `conferencebd`.`user`
```

```
(`ssn`,
```

```
`first_name`,
```

```
`last_name`,
```

```
`position`,
```

```
`password`,
```

```
`email`,
```

```
`phone`,
```

```
`birthdate`,
```

```
`interestingfield`)
```

VALUES

```
("298", "omama", "ahmed", "org", "123", "omama@gmail.com", "0121133", "12/12/1990", "AI");
```

---

## Insert org

```
INSERT INTO `conferencebd`.`organizer`
```

```
(`ssn`,
```

```
`specialization`,
```

```
`ph_certificate`)
```

VALUES

```
("298", "AI", "sc");
```

---

```
INSERT INTO `conferencebd`.`researcher`
```

```
(`ssn`,
```

```
`specialization`)
```

VALUES

("292", "IS");

INSERT INTO `conferencebd`.`paper`

(`paper\_id`,

`paper\_name`,

`paper\_field`,

`published\_date`,

`content`,

`ssn\_researcher`)

VALUES

("p1", "object detection", "computer vision", "1/1/2022", "find obj", "292" );

---

## Insert conf

INSERT INTO `conferencebd`.`conference`

(`conference\_id`,

`conference\_name`,

`conference\_date`,

`ssn\_organizer`)

VALUES

( "conf1", "pubulish Comp vision", "21/2/2022", "298");

---

## Insert ticket

INSERT INTO `conferencebd`.`ticket\_conference`

(`type`,

`confernce\_id`,

`price`)

VALUES

```
("vip", "conf1", 20);
```

```
INSERT INTO `conferencebd`.`ticket_conference`  
(`type`,  
`conference_id`,  
`price`)  
VALUES  
("seat3", "conf1", 20);
```

---

## Insert user register conference

```
INSERT INTO `conferencebd`.`user_registered_into_conference`  
(`conference_id`,  
`usr_ssn`)  
VALUES  
("conf1", "291");
```

---

```
INSERT INTO `conferencebd`.`user_registered_into_conference`  
(`conference_id`,  
`usr_ssn`)  
VALUES  
("conf1", "290");
```

---

## Insert usr access paper

```
INSERT INTO `conferencebd`.`usr_access_paper`  
(`paper_id`,  
`usr_snn`)  
VALUES  
("p1", "291");
```

---

```
INSERT INTO `conferencebd`.`usr_access_paper`
```



```
(`paper_id`,  
`usr_snn`)  
VALUES  
("p1","291");
```

Display usrs:

```
1 • SELECT * FROM conferencebd.user;
```

	ssn	first_name	last_name	position	password	email	phone	birthdate	interestingfield
▶	290	ahmed	ahmed	usr	123	ahmed@gmail.com	0121133	11/12/2000	DB
	291	amr	ahmed	usr	123	amr@gmail.com	0121133	3/12/2001	IS
	292	samer	ahmed	res	123	samer@gmail.com	0121133	12/1/1999	DB
	298	omama	ahmed	org	123	omama@gmail.com	0121133	12/12/1990	AI
	299	omer	ahmed	usr	123	omer@gmail.com	0121133	12/12/2000	AI
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Display org

```
1 • SELECT * FROM conferencebd.organizer;
```

	ssn	specialization	ph_certificate
▶	298	AI	sc
*	NULL	NULL	NULL

## Display researchers

```
1 • SELECT * FROM conferencebd.researcher;
```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content
ssn	specialization				
292	IS				
NULL	NULL				

## Display papers

```
1 • SELECT * FROM conferencebd.paper;
```

Result Grid							Filter Rows:	Edit:	Export/Import:
paper_id	paper_name	paper_field	published_date	content	ssn_researcher				
p1	object detection	computer vision	1/1/2022	find obj	292				
NULL	NULL	NULL	NULL	NULL	NULL				

## Display Conference

```
1 • SELECT * FROM conferencebd.conference;
```

	conference_id	conference_name	conference_date	ssn_organizer
▶	conf1	pubulish Comp vision	21/2/2022	298
*	NULL	NULL	NULL	NULL

Display tickets

```
1 • SELECT * FROM conferencebd.ticket_conference;
```

	type	conference_id	price
▶	seat0	conf1	20
	seat1	conf1	20
	seat2	conf1	20
	seat3	conf1	20
	vip	conf1	20
*	NULL	NULL	NULL

Display users registered into conference

```
1 • SELECT * FROM conferencebd.user_registered_into_conference;
```

	conference_id	usr_ssn
▶	conf1	290
	conf1	291
	conf1	299
*	NULL	NULL

## Delete

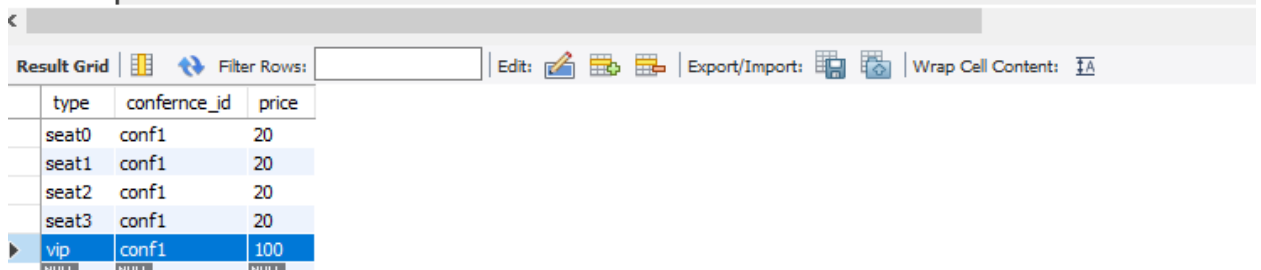
```
DELETE FROM `conferencebd`.`user_registered_into_conference`  
WHERE 'conference_id' = 'conf1' AND 'asr_snn' = '299';
```

## Update ticket price

```
UPDATE `conferencebd`.`ticket_conference`  
SET  
`price` = 100  
WHERE `type` = "vip" AND `conference_id` = "conf1";
```

## After update

```
3 • SELECT * FROM conferencebd.ticket_conference;
```



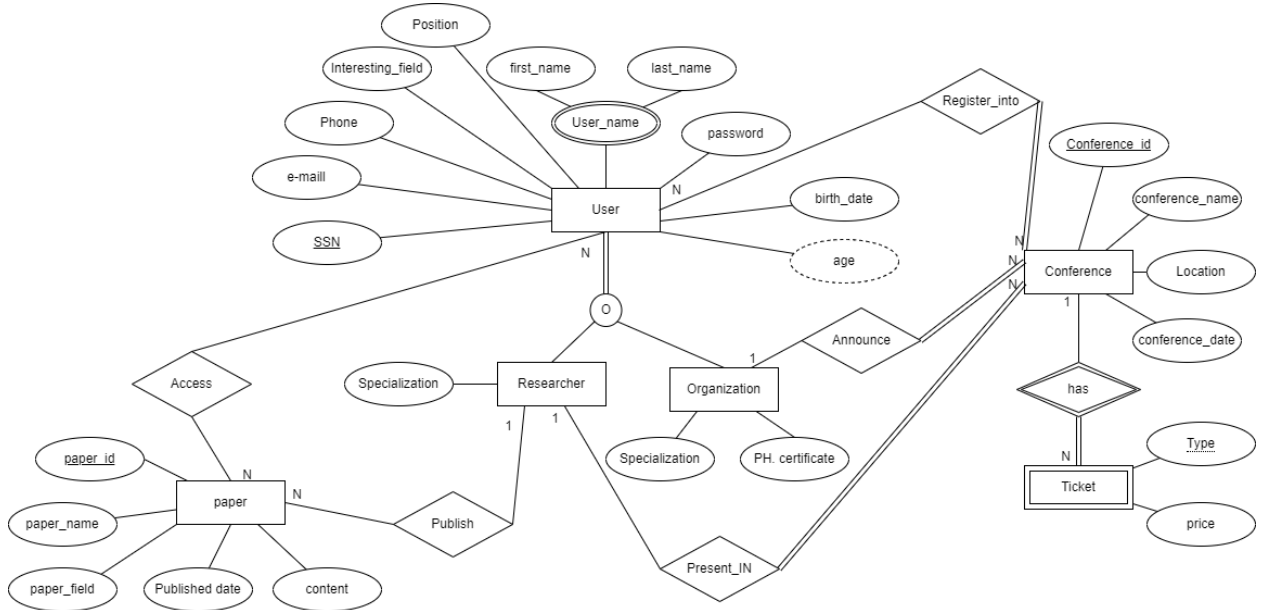
The screenshot shows a database client interface with a 'Result Grid' tab selected. The grid displays the results of the query 'SELECT \* FROM conferencebd.ticket\_conference;'. The interface includes a toolbar with icons for editing, exporting, and wrapping cell content. The data is as follows:

	type	conference_id	price
	seat0	conf1	20
	seat1	conf1	20
	seat2	conf1	20
	seat3	conf1	20
▶	vip	conf1	100
	NULL	NULL	NULL

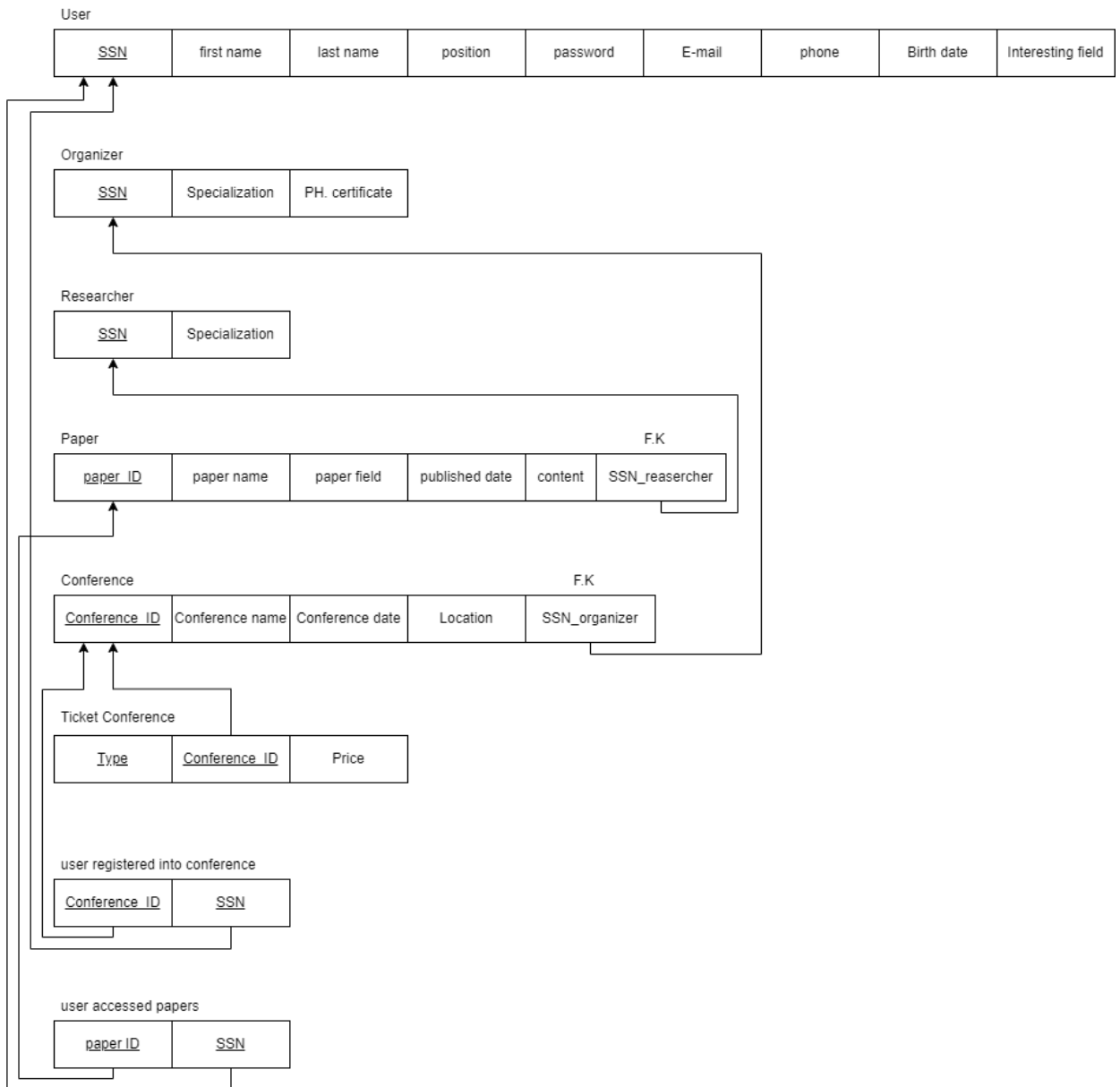
## Delete user

```
DELETE FROM `conferencebd`.`user_registered_into_conference`  
WHERE 'conference_id' = 'conf1' AND 'asr_snn' = '299';
```

# ERD



# Relational model



## Schema

