

# CONFERENCE REGISTRATION SYSTEM

NAME: ABDULLAH OMAR ASIM  
MAJOR: COMPUTER NETWORKS  
ENGINEERING (EVENING)  
INSTRUCTOR: SAAD BADIE



# PROJECT OVERVIEW

## System Description

A web-based platform for online conference and workshop registration

## Domain

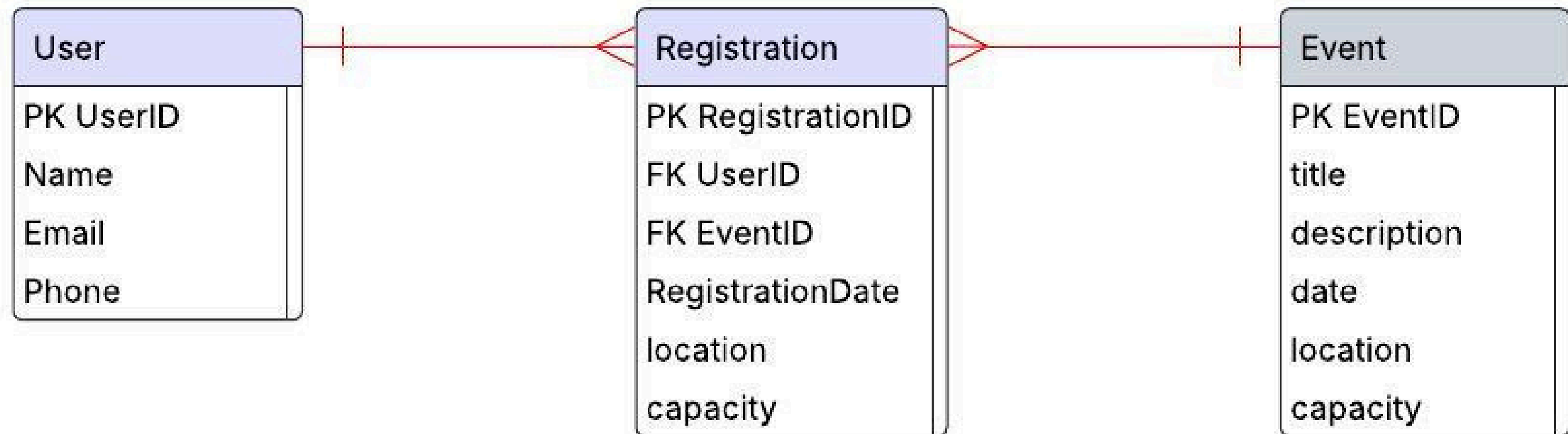
Education and Event Management sectors.

## Problem it Solves:

Manual registration for conferences is slow and inefficient. This system automates the entire registration process for both users and organizers.



# ER DIAGRAM



# RELATIONAL SCHEMA

4/20/25, 5:59 PM

localhost / MySQL / conference\_system | phpMyAdmin 5.2.1

**conference\_system**

**event**

Column	Type	Null	Default	Comments
EventID <i>(Primary)</i>	int	No		
Title	varchar(100)	No		
Description	text	Yes	NULL	
Date	date	No		
Location	varchar(100)	Yes	NULL	
Capacity	int	No		

**Indexes**

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	EventID	3	A	No	

**registration**

Column	Type	Null	Default	Comments
RegistrationID <i>(Primary)</i>	int	No		
UserID	int	Yes	NULL	
EventID	int	Yes	NULL	

# RELATIONAL SCHEMA

4/20/25, 5:59 PM

localhost / MySQL / conference\_system | phpMyAdmin 5.2.1

Column	Type	Null	Default	Comments
RegistrationDate	date	No		

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	RegistrationID	6	A	No	
UserID	BTREE	Yes	No	UserID		A	Yes	
				EventID		A	Yes	
EventID	BTREE	No	No	EventID	3	A	Yes	

## user

Column	Type	Null	Default	Comments
UserID ( <i>Primary</i> )	int	No		
FullName	varchar(100)	No		
Email	varchar(100)	No		
Phone	varchar(15)	Yes	NULL	

## Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	UserID	6	A	No	
Email	BTREE	Yes	No	Email	6	A	No	

# NORMALIZATION

NF1

Eliminated repeating groups;  
ensured atomic values.

NF2

Removed partial dependencies  
on primary keys.

NF3

Removed transitive dependencies  
to enhance data integrity.

# APPLICATION INTERFACE

## HOME PAGE

### Available Conferences & Workshops

Title	Date	Location	Capacity	Action
Web Development Workshop	2025-05-01	Baghdad Tech Center	50	<button>Register</button>
Photography Masterclass	2025-05-03	Al-Mansour Hall	30	<button>Register</button>
AI Conference	2025-05-05	University Hall	100	<button>Register</button>

# APPLICATION INTERFACE

## REGISTRATION FORM

### Register for the Event



# APPLICATION INTERFACE

## ADMIN DASHBOARD / CONFERENCE LIST

← Server: MySQL:3306 » Database: conference\_system

Structure

SQL

Search

Query

Export

Import

Operations

Privileges

Routines

Events

Filters

Containing the word:

	Table ▲	Action	Rows ?	Type	Collation	Size	Overhead
<input type="checkbox"/>	event	★ Browse Structure Search Insert Empty Drop	3	MyISAM	utf8mb3_general_ci	2.3 KiB	-
<input type="checkbox"/>	registration	★ Browse Structure Search Insert Empty Drop	6	MyISAM	utf8mb3_general_ci	4.1 KiB	-
<input type="checkbox"/>	user	★ Browse Structure Search Insert Empty Drop	6	MyISAM	utf8mb3_general_ci	5.3 KiB	-
3 tables		Sum	15	MyISAM	utf8mb3_general_ci	11.7 KiB	0 B



☐ Check all

With selected:



Print Data dictionary

Create new table

# EVENT TABLE

EventID	Title	Description	Date	Location	Capacity
1	Web Development Workshop	Learn HTML, CSS, and JS from scratch	2025-05-01	Baghdad Tech Center	50
2	Photography Masterclass	Advanced tips and live demo with pro photographers	2025-05-03	Al-Mansour Hall	30
3	AI Conference	Discussing the future of Artificial Intelligence	2025-05-05	University Hall	100

# USER TABLE

UserID	FullName	Email	Phone
1	Ali Kareem	ali.kareem@example.com	07801234567
2	abdullah	ao350360@gmail.com	07716002742
3	ali	ali@exambil.com	07716002741
4	ahmed	ahmed@exambil.com	07716002740
5	anas	anas@exambil.com	07716002739
6	azhar	azhar@exambil.com	07716002738
7	omar	omar@exambil.com	07716002734
8	aws	aws@exambil.com	07716002734
9	yahya	yahya@exambil.com	07716002733
10	ahmed	ahmeda@exambil.com	07716002732

# REGISTRATION TABLE

RegistrationID	UserID	EventID	RegistrationDate
1	1	2	2025-04-20
2	2	1	2025-04-20
3	3	1	2025-04-20
4	4	3	2025-04-20
5	5	1	2025-04-20
6	6	2	2025-04-20
7	7	1	2025-04-22
8	8	1	2025-04-23
9	9	3	2025-04-23
10	10	1	2025-04-23

**QUERIES & OPERATIONS**

# QUERIES & OPERATIONS

## 1- SHOW USERS AND THEIR REGISTERED EVENTS

```
mysql> SELECT user.FullName, event.Title  
-> FROM user  
-> JOIN registration ON user.UserID = registration.UserID  
-> JOIN event ON event.EventID = registration.EventID;
```

FullName	Title
abdullah	Web Development Workshop
ali	Web Development Workshop
anas	Web Development Workshop
omar	Web Development Workshop
aws	Web Development Workshop
ahmed	Web Development Workshop
Ali Kareem	Photography Masterclass
azhar	Photography Masterclass
ahmed	AI Conference
yahya	AI Conference

```
10 rows in set (0.00 sec)
```

# QUERIES & OPERATIONS

## 2- COUNT THE NUMBER OF REGISTRATIONS FOR EACH EVENT

```
mysql> SELECT event.Title, COUNT(*) AS NumberOfRegistrations  
-> FROM event  
-> JOIN registration ON event.EventID = registration.EventID  
-> GROUP BY event.EventID;
```

Title	NumberOfRegistrations
Web Development Workshop	6
Photography Masterclass	2
AI Conference	2

```
3 rows in set (0.00 sec)
```

# QUERIES & OPERATIONS

## 3- INSERT A NEW REGISTRATION

```
mysql>
mysql> INSERT INTO registration (UserID, EventID, RegistrationDate)
      -> VALUES (3, 2, '2025-04-25');
Query OK, 1 row affected (0.00 sec)
```

```
mysql>
mysql>
mysql> select * from registration
      -> ;
```

RegistrationID	UserID	EventID	RegistrationDate
1	1	2	2025-04-20
2	2	1	2025-04-20
3	3	1	2025-04-20
4	4	3	2025-04-20
5	5	1	2025-04-20
6	6	2	2025-04-20
7	7	1	2025-04-22
8	8	1	2025-04-23
9	9	3	2025-04-23
10	10	1	2025-04-23
11	3	2	2025-04-25

```
11 rows in set (0.00 sec)
```



# QUERIES & OPERATIONS

## 4- UPDATE A USER'S PHONE NUMBER

```
mysql> UPDATE user
      -> SET Phone = '07801234500'
      -> WHERE UserID = 1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from user;
```

UserID	FullName	Email	Phone
1	Ali Kareem	ali.kareem@example.com	07801234500
2	abdullah	ao350360@gmail.com	07716002742
3	ali	ali@exambil.com	07716002741
4	ahmed	ahmed@exambil.com	07716002740
5	anas	anas@exambil.com	07716002739
6	azhar	azhar@exambil.com	07716002738
7	omar	omar@exambil.com	07716002734
8	aws	aws@exambil.com	07716002734
9	yahya	yahya@exambil.com	07716002733
10	ahmed	ahmeda@exambil.com	07716002732

```
10 rows in set (0.00 sec)
```

# QUERIES & OPERATIONS

## 5- DELETE A USER

```
mysql> DELETE FROM user
      -> WHERE UserID = 10;
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from user;
```

UserID	FullName	Email	Phone
1	Ali Kareem	ali.kareem@example.com	07801234500
2	abdullah	ao350360@gmail.com	07716002742
3	ali	ali@exambil.com	07716002741
4	ahmed	ahmed@exambil.com	07716002740
5	anas	anas@exambil.com	07716002739
6	azhar	azhar@exambil.com	07716002738
7	omar	omar@exambil.com	07716002734
8	aws	aws@exambil.com	07716002734
9	yahya	yahya@exambil.com	07716002733

```
9 rows in set (0.00 sec)
```

# QUERIES & OPERATIONS

## 6- SHOW ALL REGISTRATIONS FOR A SPECIFIC USER

```
mysql> SELECT event.Title, registration.RegistrationDate  
-> FROM event  
-> JOIN registration ON event.EventID = registration.EventID  
-> WHERE registration.UserID = 2;
```

Title	RegistrationDate
Web Development Workshop	2025-04-20

```
1 row in set (0.00 sec)
```

# QUERIES & OPERATIONS

## 7- SHOW ALL USERS REGISTERED FOR A SPECIFIC EVENT

```
mysql> SELECT user.FullName, user.Email  
-> FROM user  
-> JOIN registration ON user.UserID = registration.UserID  
-> JOIN event ON event.EventID = registration.EventID  
-> WHERE event.EventID = 1;
```

FullName	Email
abdullah	ao350360@gmail.com
ali	ali@exambil.com
anas	anas@exambil.com
omar	omar@exambil.com
aws	aws@exambil.com

```
5 rows in set (0.00 sec)
```

# CHALLENGES & LESSONS LEARNED

## CHALLENGES:

- 1- Importing the database using SQL
- 2- Initial issues displaying the database
- 3- Handling foreign key constraints

## LESSONS LEARNED:

- 1- Better understanding of relational databases
- 2- Improved skills in SQL joins and constraints
- 3- Learned how to connect PHP pages with MySQL database

# Thank You

Thank you for your attention

Any questions?