

Event Management System

Shady Tarek

Seif Kamal

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CREATE TABLE [userss] (

User_ID INT NOT NULL,

Name VARCHAR(50) NOT NULL,

Password VARCHAR(250) NOT NULL,

Contactinfo VARCHAR(250) NOT NULL,

Role VARCHAR(50) NOT NULL,

CONSTRAINT users_PK PRIMARY KEY (User_ID),

CONSTRAINT chk_users_role CHECK (Role IN ('admin', 'user', 'manager')) -- Renamed constraint

);

CREATE TABLE [events] (

EventID INT NOT NULL PRIMARY KEY,

Name VARCHAR(100) NOT NULL,

Date DATE,

Time TIME,

Location VARCHAR(255) NOT NULL

);

CREATE TABLE sponsorship (

SponsorID INT NOT NULL PRIMARY KEY,

Fname VARCHAR(50) NOT NULL,

Lname VARCHAR(50) NOT NULL,

Contactinfo VARCHAR(250) NOT NULL,

contribution DECIMAL(5, 2) CHECK (contribution BETWEEN 0 AND 100)

);

CREATE TABLE ticket (

TicketID INT NOT NULL PRIMARY KEY,

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```
Price INT NOT NULL,  
  
TicketType VARCHAR(50) NOT NULL,  
  
Status VARCHAR(20) NOT NULL,  
  
CONSTRAINT chk_ticket_Type CHECK (TicketType IN ('Standard', 'VIP', 'Student', 'Group')) -- Renamed  
constraint  
);
```

```
CREATE TABLE payment (  
  
PaymentID INT NOT NULL PRIMARY KEY,  
  
Amount INT NOT NULL,  
  
PaymentDate DATE NOT NULL,  
  
States VARCHAR(50) NOT NULL,  
  
CONSTRAINT chk_payment_States CHECK (States IN ('Pending', 'Completed', 'Failed')) -- Renamed  
constraint  
);
```

```
CREATE TABLE FeedBack (  
  
Feedback_id INT NOT NULL PRIMARY KEY,  
  
Comment VARCHAR(60),  
  
Email VARCHAR(60),  
  
Mobilenum VARCHAR(60),  
  
Rating INT CHECK (Rating BETWEEN 1 AND 5)  
);
```

```
CREATE TABLE Admin (  
  
Admin_id INT NOT NULL PRIMARY KEY,  
  
Permissions VARCHAR(100) NOT NULL  
);
```

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CREATE TABLE organizer (

Organizer_id INT NOT NULL PRIMARY KEY

);

CREATE TABLE attendee (

ATT_ID INT NOT NULL PRIMARY KEY

);

INSERT:

Event :

INSERT INTO events (EventID, Name, Date, Time, Location) VALUES

(1, 'Cairo International Film Festival', '2024-12-01', '18:00:00', 'Cairo Opera House'),

(2, 'Giza Pyramid Marathon', '2024-11-10', '07:00:00', 'Giza Plateau'),

(3, 'Alexandria Book Fair', '2024-10-05', '10:00:00', 'Bibliotheca Alexandrina'),

(4, 'Red Sea Diving Festival', '2024-09-15', '09:00:00', 'Hurghada Marina'),

(5, 'Nile River Cleanup', '2024-08-25', '08:00:00', 'Downtown Cairo'),

(6, 'Luxor Cultural Night', '2024-07-20', '19:00:00', 'Karnak Temple'),

(7, 'Egyptian Food Carnival', '2024-06-10', '12:00:00', 'Tahrir Square'),

(8, 'Aswan International Jazz Festival', '2024-05-18', '20:00:00', 'Aswan Cultural Center'),

(9, 'Sharm El-Sheikh Tech Summit', '2024-04-12', '09:00:00', 'SOHO Square'),

(10, 'Fayoum Art Exhibition', '2024-03-21', '10:00:00', 'Fayoum Art Center');

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	EventID	Name	Date	Time	Location
1	1	New Year Celebration	2024-12-31	12:00:00.0000000	Central Park
2	11	Cairo International Film Festival	2024-12-01	18:00:00.0000000	Cairo Opera House
3	12	Giza Pyramid Marathon	2024-11-10	07:00:00.0000000	Giza Plateau
4	13	Alexandria Book Fair	2024-10-05	10:00:00.0000000	Bibliotheca Alexandrina
5	14	Red Sea Diving Festival	2024-09-15	09:00:00.0000000	Hurghada Marina
6	15	Nile River Cleanup	2024-08-25	08:00:00.0000000	Downtown Cairo
7	16	Luxor Cultural Night	2024-07-20	19:00:00.0000000	Karnak Temple
8	17	Egyptian Food Carnival	2024-06-10	12:00:00.0000000	Tahrir Square
9	18	Aswan International Jazz Festival	2024-05-18	20:00:00.0000000	Aswan Cultural Center
10	19	Sharm El-Sheikh Tech Summit	2024-04-12	09:00:00.0000000	SOHO Square
11	20	Fayoum Art Exhibition	2024-03-21	10:00:00.0000000	Fayoum Art Center

Sponsorship:

INSERT INTO sponsorship (SponsorID, Fname, Lname, Contactinfo, contribution) VALUES

(1, 'Ahmed', 'El-Sayed', 'ahmed.sayed@example.com', 25.00),
(2, 'Fatima', 'Hassan', 'fatima.hassan@example.com', 35.50),
(3, 'Omar', 'Ali', 'omar.ali@example.com', 20.00),
(4, 'Sara', 'Abdallah', 'sara.abdallah@example.com', 45.00),
(5, 'Mohamed', 'Ibrahim', 'mohamed.ibrahim@example.com', 30.25),
(6, 'Nada', 'Mahmoud', 'nada.mahmoud@example.com', 40.75),
(7, 'Khaled', 'Mansour', 'khaled.mansour@example.com', 15.00),
(8, 'Yasmine', 'Ahmed', 'yasmine.ahmed@example.com', 50.00),
(9, 'Hassan', 'Kamal', 'hassan.kamal@example.com', 18.00),
(10, 'Laila', 'Omar', 'laila.omar@example.com', 22.50);

	SponsorID	Fname	Lname	contribution	email	address
1	1	Ahmed	El-Sayed	25.00	ahmed.elsayed@example.com	12 Tahrir Street, Cairo, Egypt
2	2	Fatima	Hassan	35.50	fatima.hassan@example.com	22 Ramses Avenue, Giza, Egypt
3	3	Omar	Ali	20.00	omar.ali@example.com	34 Nile Corniche, Aswan, Egypt
4	4	Sara	Abdallah	45.00	sara.abdallah@example.com	56 Alexandria Road, Alexandria, Egypt
5	5	Mohamed	Ibrahim	30.25	mohamed.ibrahim@example.com	78 Suez Canal Street, Port Said, Egypt
6	6	Nada	Mahmoud	40.75	nada.mahmoud@example.com	90 October City, Giza, Egypt
7	7	Khaled	Mansour	15.00	khaled.mansour@example.com	123 Maadi Road, Cairo, Egypt
8	8	Yasmine	Ahmed	50.00	yasmine.ahmed@example.com	45 Heliopolis Avenue, Cairo, Egypt
9	9	Hassan	Kamal	18.00	hassan.kamal@example.com	67 Zamalek Street, Cairo, Egypt
10	10	Laila	Omar	22.50	laila.omar@example.com	89 Mansoura Boulevard, Mansoura, Egypt
11	101	John	Doe	50.00	john.doe@example.com	101 Luxor Temple Road, Luxor, Egypt

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User:

```
INSERT INTO users (User_ID, Name, Password, Contactinfo, Role) VALUES
(1, 'Ahmed Tarek', 'password123', 'ahmed.tarek@example.com', 'user'),
(2, 'Mona Gamal', 'securepassword', 'mona.gamal@example.com', 'user'),
(3, 'Ali Farid', 'strongpass', 'ali.farid@example.com', 'manager'),
(4, 'Nour El-Din', 'mypassword', 'nour.eldin@example.com', 'admin'),
(5, 'Salma Hossam', 'salma123', 'salma.hossam@example.com', 'user'),
(6, 'Omar Sherif', 'omarsafe', 'omar.sherif@example.com', 'manager'),
(7, 'Dina Khaled', 'dinasecret', 'dina.khaled@example.com', 'user'),
(8, 'Hany Mostafa', 'hanypass', 'hany.mostafa@example.com', 'user'),
(9, 'Youssef Adel', 'youssefsecure', 'youssef.adel@example.com', 'admin'),
(10, 'Heba Nabil', 'hebanet', 'heba.nabil@example.com', 'user');
```

	User_ID	Name	Password	Contactinfo	Role
1	1	Ahmed Tarek	password123	ahmed.tarek@example.com	user
2	2	Mona Gamal	securepassword	mona.gamal@example.com	user
3	3	Ali Farid	strongpass	ali.farid@example.com	manager
4	4	Nour El-Din	mypassword	nour.eldin@example.com	admin
5	5	Salma Hossam	salma123	salma.hossam@example.com	user
6	6	Omar Sherif	omarsafe	omar.sherif@example.com	manager
7	7	Dina Khaled	dinasecret	dina.khaled@example.com	user
8	8	Hany Mostafa	hanypass	hany.mostafa@example.com	user
9	9	Youssef Adel	youssefsecure	youssef.adel@example.com	admin
10	10	Heba Nabil	hebanet	heba.nabil@example.com	user

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Ticket:

INSERT INTO ticket (TicketID, Price, TicketType, Status) VALUES

(1, 150, 'Standard', 'Available'),

(2, 300, 'VIP', 'Available'),

(3, 100, 'Student', 'Available'),

(4, 500, 'Group', 'Available'),

(5, 200, 'Standard', 'Available'),

(6, 400, 'VIP', 'Available'),

(7, 120, 'Student', 'Available'),

(8, 450, 'Group', 'Available'),

(9, 170, 'Standard', 'Available'),

(10, 350, 'VIP', 'Available');

	TicketID	Price	TicketType	Status
1	1	150	Standard	Available
2	2	300	VIP	Available
3	3	100	Student	Available
4	4	500	Group	Available
5	5	200	Standard	Available
6	6	400	VIP	Available
7	7	120	Student	Available
8	8	450	Group	Available
9	9	170	Standard	Available
10	10	350	VIP	Available
11	201	100	VIP	Available

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Feedback:

INSERT INTO FeedBack (Feedback_id, Rating, Comment, Email, Mobilenum) VALUES

(1, 5, 'Great event!', 'ahmed.sayed@example.com', '01012345678'),
(2, 4, 'Well-organized.', 'fatima.hassan@example.com', '01023456789'),
(3, 3, 'Could be better.', 'omar.ali@example.com', '01034567890'),
(4, 5, 'Loved the music.', 'sara.abdallah@example.com', '01045678901'),
(5, 2, 'Poor timing.', 'mohamed.ibrahim@example.com', '01056789012'),
(6, 4, 'Good event overall.', 'nada.mahmoud@example.com', '01067890123'),
(7, 5, 'Excellent experience!', 'khaled.mansour@example.com', '01078901234'),
(8, 3, 'Decent organization.', 'yasmine.ahmed@example.com', '01089012345'),
(9, 4, 'Enjoyed it!', 'hassan.kamal@example.com', '01090123456'),
(10, 5, 'Highly recommend.', 'laila.omar@example.com', '01001234567');

	Feedback_id	Comment	Email	Mobilenum	Rating
1	1	Great event!	ahmed.sayed@example.com	01012345678	5
2	2	Well-organized.	fatima.hassan@example.com	01023456789	4
3	3	Could be better.	omar.ali@example.com	01034567890	3
4	4	Loved the music.	sara.abdallah@example.com	01045678901	5
5	5	Poor timing.	mohamed.ibrahim@example.com	01056789012	2
6	6	Good event overall.	nada.mahmoud@example.com	01067890123	4
7	7	Excellent experience!	khaled.mansour@example.com	01078901234	5
8	8	Decent organization.	yasmine.ahmed@example.com	01089012345	3
9	9	Enjoyed it!	hassan.kamal@example.com	01090123456	4
10	10	Highly recommend.	laila.omar@example.com	01001234567	5

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Org :

INSERT INTO organizer (Organizer_id) VALUES

(1),

(2),

(3),

(4),

(5),

(6),

(7),

(8),

(9),

(10);

	Organizer_id
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

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Admin :

INSERT INTO Admin (Admin_id, Permissions) VALUES

(1, 'Manage Users, Events, and Sponsors'),
(2, 'Approve Payments, Manage Feedback'),
(3, 'Full Access'),
(4, 'Manage Events and Tickets'),
(5, 'Manage Sponsors and Payments'),
(6, 'Handle Feedback and Tickets'),
(7, 'Full Access'),
(8, 'Manage Users and Payments'),
(9, 'Manage Events and Feedback'),
(10, 'Manage Sponsors and Tickets');

	Admin_id	Permissions
1	1	Manage Users, Events, and Sponsors
2	2	Approve Payments, Manage Feedback
3	3	Full Access
4	4	Manage Events and Tickets
5	5	Manage Sponsors and Payments
6	6	Handle Feedback and Tickets
7	7	Full Access
8	8	Manage Users and Payments
9	9	Manage Events and Feedback
10	10	Manage Sponsors and Tickets

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Payment :

INSERT INTO payment (PaymentID, Amount, PaymentDate, States) VALUES

(1, 1500, '2024-12-01', 'Completed'),

(2, 2000, '2024-11-15', 'Pending'),

(3, 1200, '2024-10-10', 'Failed'),

(4, 2500, '2024-09-20', 'Completed'),

(5, 1800, '2024-08-30', 'Pending'),

(6, 1000, '2024-07-25', 'Completed'),

(7, 3000, '2024-06-15', 'Failed'),

(8, 2200, '2024-05-10', 'Completed'),

(9, 1700, '2024-04-05', 'Pending'),

(10, 2600, '2024-03-25', 'Completed');

	PaymentID	Amount	PaymentDate	States
1	11	1500	2024-12-01	Completed
2	12	Click to select the whole column		
3	13	1200	2024-10-10	Failed
4	14	2500	2024-09-20	Completed
5	15	1800	2024-08-30	Pending
6	16	1000	2024-07-25	Completed
7	17	3000	2024-06-15	Failed
8	18	2200	2024-05-10	Completed
9	19	1700	2024-04-05	Pending
10	20	2600	2024-03-25	Completed

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Attendee:

INSERT INTO attendee (ATT_ID)

VALUES (301);

	ATT_ID
1	301

UPDATE:

Update Payment for specific PaymentID

UPDATE Payment

SET States = 'Completed'

WHERE PaymentID = 12;

2	12	2000	2024-11-15	Completed
---	----	------	------------	-----------

Update Payment for PaymentID between 16 and 20

UPDATE Payment

SET States = 'Pending'

WHERE PaymentID BETWEEN 16 AND 20;

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6	16	1000	2024-07-25	Pending
7	17	3000	2024-06-15	Pending
8	18	2200	2024-05-10	Pending
9	19	1700	2024-04-05	Pending
10	20	2600	2024-03-25	Pending

Update Payment with specific PaymentID using IN clause

UPDATE Payment

SET Status = 'Completed'

WHERE PaymentID IN (11, 12, 14);

	PaymentID	Amount	PaymentDate	States
1	11	1500	2024-12-01	Completed
2	12	2000	2024-11-15	Completed
3	13	1200	2024-10-10	Failed
4	14	2500	2024-09-20	Completed

Update Payment based on Amount > 1000

UPDATE Payment

SET Status = 'Failed'

WHERE PaymentID = 14 AND Amount > 1000;

4	14	2500	2024-09-20	failed
---	----	------	------------	--------

Update Payment based on PaymentDate < '2024-12-01'

UPDATE Payment

SET States = 'Completed'

WHERE PaymentID = 16 AND PaymentDate < '2024-12-01';

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	PaymentID	Amount	PaymentDate	States
1	11	1500	2024-12-01	Completed
2	12	2000	2024-11-15	Completed
3	13	1200	2024-10-10	Failed
4	14	2500	2024-09-20	failed
5	15	1800	2024-08-30	Pending
6	16	1000	2024-07-25	Completed
7	17	3000	2024-06-15	Pending
8	18	2200	2024-05-10	Pending
9	19	1700	2024-04-05	Pending
10	20	2600	2024-03-25	Pending
11	801	500	2024-12-24	Completed

Update Payment with status Failed and PaymentDate

UPDATE Payment

SET States = 'Failed',

PaymentDate = '2024-05-10'

WHERE PaymentID = 18;

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	PaymentID	Amount	PaymentDate	States
1	11	1500	2024-12-01	Completed
2	12	2000	2024-11-15	Completed
3	13	1200	2024-10-10	Failed
4	14	2500	2024-09-20	failed
5	15	1800	2024-08-30	Pending
6	16	1000	2024-07-25	Completed
7	17	3000	2024-06-15	Pending
8	18	2200	2024-05-10	Failed
9	19	1700	2024-04-05	Pending
10	20	2600	2024-03-25	Pending
11	801	500	2024-12-24	Completed

Updating the Organizer_id from 10 AND 9 to 23,256 which was inserted earlier

UPDATE Organizer

SET Organizer_id = 256

WHERE Organizer_id = 10;

	Organizer_id
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	23
10	256

Update Event based on EventID = 1

UPDATE events

SET Time = '12:00:00',

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Date = '2024-12-31',

Name = 'New Year Gala',

Location = 'AIN EL SOKHNA'

WHERE EventID = 1;

	EventID	Name	Date	Time	Location
1	1	New Year Gala	2024-12-31	12:00:00.0000000	AIN EL SOKHNA

Update Event based on Date condition

UPDATE events

SET Date = '2025-01-01'

WHERE EventID = 1;

	EventID	Name	Date	Time	Location
1	1	New Year Gala	2025-01-01	12:00:00.0000000	AIN EL SOKHNA

Update Event to change Name and Location

UPDATE events

SET Name = 'ACIS',

Location = 'ZAMALEK'

WHERE EventID = 12;

3	12	ACIS	2024-11-10	07:00:00.0000000	ZAMALEK
---	----	------	------------	------------------	---------

Update Event by Time:

UPDATE events

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SET Time = '15:00:00',

Date = '2024-11-10'

WHERE EventID = 12;

3	12	ACIS	2024-11-10	15:00:00.0000000	ZAMALEK
---	----	------	------------	------------------	---------

Update Event with Name and Location

UPDATE events

SET Name = '5A WATERWAY EL TAGAMO3 EL KHAMES',

Location = 'TAGAMO3'

WHERE EventID = 11;

2	11	5A WATERWAY EL TAGAMO3 EL KHAMES	2024-12-01	18:00:00.0000000	TAGAMO3
---	----	----------------------------------	------------	------------------	---------

Update john's role and password

UPDATE userss

SET Role = 'Admin',

Password = 'newPassword123',

Name = 'John Doe'

WHERE User_ID = 1;

	User_ID	Name	Password	Contactinfo	Role
1	1	John Doe	newPassword123	ahmed.tarek@example.com	Admin

Update john's role to 'manager'

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SELECT*FROM userss

UPDATE userss

SET Role = 'manager'

WHERE User_ID = 1;

	User_ID	Name	Password	Contactinfo	Role
1	1	John Doe	newPassword123	ahmed.tarek@example.com	manager

Update john's password

UPDATE userss

SET Password = 'securePass456'

WHERE User_ID = 1;

	User_ID	Name	Password	Contactinfo	Role
1	1	John Doe	securePass456	ahmed.tarek@example.com	manager

Update john's name to 'Alice'

SELECT*FROM userss

UPDATE userss

SET Name = 'Alice'

WHERE User_ID = 1;

	User_ID	Name	Password	Contactinfo	Role
1	1	Alice	securePass456	ahmed.tarek@example.com	manager

Update john's last name to 'Smith'

SELECT*FROM userss

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UPDATE userss

SET Name = 'john Smith'

WHERE User_ID = 1;

	User_ID	Name	Password	Contactinfo	Role
1	1	john Smith	securePass456	ahmed.tarek@example.com	manager

DELETE:

DELETE FROM users

WHERE User_ID = 5;

4	4	Nour El-Din	mypassword	nour.eldin@example.com	admin
5	6	Omar Sherif	omarsafe	omar.sherif@example.com	manager

SELECT*FROM Ticket

DELETE FROM Ticket

WHERE TicketID = 8

7	7	120	Student	Available
8	9	170	Standard	Available

SELECT*FROM payment

DELETE FROM Payment

WHERE PaymentID = 12

	PaymentID	Amount	PaymentDate	States
1	11	1500	2024-12-01	Completed
2	13	1200	2024-10-10	Failed

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SELECT:

SELECT * FROM events WHERE EventID = 11

	EventID	Name	Date	Time	Location
1	11	5A WATERWAY EL TAGAMO3 EL KHAMES	2024-12-01	18:00:00.0000000	TAGAMO3

SELECT * FROM events WHERE Time = '08:00:00.0000000';

	EventID	Name	Date	Time	Location
1	15	Nile River Cleanup	2024-08-25	08:00:00.0000000	Downtown Cairo

SELECT * FROM Payment WHERE PaymentID =18

	PaymentID	Amount	PaymentDate	States
1	18	2200	2024-05-10	Failed

SELECT * FROM Admin WHERE Admin_ID = 5

	Admin_id	Permissions
1	5	Manage Sponsors and Payments