UITS
University of Information Technology & Sciences

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Project Documentation

Course Title: Data Base Management System
Course Code: CSE0612216
Project Name: Easy E-Event Managing System

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Event Management System

➢ Objectives:

The relational database for managing events, users, tickets, registrations, and feedback is designed for efficient data retrieval and integrity.

It includes key entities: Users, Events, Tickets, Registrations, and Feedback. Users can organize events, register for tickets, and provide feedback.

Primary keys ensure unique identification, while foreign keys maintain referential integrity. Constraints validate data entries, and SQL queries enable efficient data retrieval and reporting. This design effectively manages event-related data.

➢ Introduction

The Event & Ticket Management System is developed to streamline the organization and management of events.
It handles user registrations, ticket purchases, event scheduling, and feedback collection, ensuring a seamless experience for both organizers and attendees.

➢ Experimental Setup

- Database Management System: MySQL
- Development Environment: MySQL Workbench
- Operating System: Windows 10

➢ **Code & Output(ScreenShot)**

a. Users Table Creation

```
CREATE TABLE Users(

User_ID INT(10) PRIMARY KEY,

Name_s VARCHAR(50),

Email VARCHAR(100) NOT NULL UNIQUE,

Phone VARCHAR(15),

Password VARCHAR(255) NOT NULL,

Role ENUM('Admin', 'Organizer', 'Attendee')

);
```

b. Events Table Creation

```
CREATE TABLE Event_s(

Event_ID INT(10) PRIMARY KEY,

Title VARCHAR(100) NOT NULL,

Descriptions TEXT,

Dates DATE NOT NULL,

Times TIME NOT NULL,

Location VARCHAR(200),

Max_capacity INT CHECK(Max_capacity>0 AND
Max_capacity>=30)

);
```

c. Tickets Table creation

```sql
CREATE TABLE Tickets(

Ticket_ID INT(10) PRIMARY KEY,

 Event_ID INT(10),

FOREIGN KEY(Event_ID) REFERENCES Event_s(Event_ID),

Ticket_type VARCHAR(50) NOT NULL,

Price DECIMAL(10, 2) NOT NULL,

Total_available INT CHECK (total_available >= 0), Total_sold INT

DEFAULT 0 CHECK (total_sold >= 0)

 );
```

d. Registration Table creation.

```sql
CREATE TABLE Registrations(

Registration_id INT(10) PRIMARY KEY,

User_ID INT(10),

FOREIGN KEY(User_ID) REFERENCES Users(User_ID),

Event_ID INT(10),

FOREIGN KEY(Event_ID) REFERENCES Event_s(Event_ID),

Ticket_ID INT(10),

FOREIGN KEY (Ticket_ID) REFERENCES Tickets(Ticket_ID),
Registration_date DATETIME DEFAULT
CURRENT_TIMESTAMP );
```

e. Feedback Table Creation

```sql
CREATE TABLE Feedback(

Feedback_ID INT(10) PRIMARY KEY,

Event_ID INT(10),

FOREIGN KEY(Event_ID) REFERENCES Event_s(Event_ID),

User_ID INT(10),

FOREIGN KEY (User_ID) REFERENCES Users(User_ID) ,

Rating INT CHECK (rating >= 1 AND rating <= 5),

Comments TEXT,

Feedback_date DATETIME DEFAULT CURRENT_TIMESTAMP

);
```

f. Sample Query Execution

```sql
INSERT INTO Users (User_ID , Name_s , Email , Phone , Password , Role) VALUES
(001,'Rahim Khan', 'rahim@gmail.com', '01712345678', 'dbsd*dfaaf', 'Attendee'),
(002,'Karim Ahmed', 'karim@gmail.com', '01723456789', 'sfgd886dds@', 'Organizer'),
(003,'Fatema Begum', 'fatema@gmail.com', '01734567890', '126d4fdf8', 'Attendee'),
(004,'Ankur', 'ankur2003.8@gmail.com', '01890255384', 'ankur@@123', 'Admin'),
(005,'Jamal Hossain', 'jamal@gmail.com', '01756789012', '544544dszvfd', 'Attendee'),
(006,'Nabila Sultana', 'nabila@gmail.com', '01767890123', '66bhdvdvdv@', 'Organizer'),
(007,'Rafiqur Rahman', 'rafiqur@gmail.com', '01778901234', 'djbfgas66', 'Attendee'),
(008,'Shabnam Akter', 'shabnam@gmail.com', '01789012345', 'rfgddd5556', 'Attendee'),
(009,'Tariq Islam', 'tariq@gmail.com', '01790123456', '@jfdjka645', 'Organizer'),
(0010,'Zara khan', 'zara@gmail.com', '01701234567', '@@kodjods', 'Admin');
SELECT *FROM Users;
```

t Grid | Filter Rows: | Export: | Wrap Cell Content: ‡A

Jser_ID	Name_s	Email	Phone	Password	Role
	Rahim Khan	rahim@gmail.com	01712345678	dbsd*dfaaf	Attendee
	Karim Ahmed	karim@gmail.com	01723456789	sfgd886dds@	Organizer
	Fatema Begum	fatema@gmail.com	01734567890	126d4fdf8	Attendee
	Ankur	ankur2003.8@gmail.com	01890255384	ankur@@123	Admin
	Jamal Hossain	jamal@gmail.com	01756789012	544544dszvfd	Attendee
	Nabila Sultana	nabila@gmail.com	01767890123	66bhdvdvdv@	Organizer
	Rafiqur Rahman	rafiqur@gmail.com	01778901234	djbfgas66	Attendee
	Shabnam Akter	shabnam@gmail.com	01789012345	rfgddd5556	Attendee
	Tariq Islam	tariq@gmail.com	01790123456	@jfdjka645	Organizer
)	Zara khan	zara@gmail.com	01701234567	@@kodjods	Admin

```sql
1 •  INSERT INTO Event_s (Event_ID, Title, Descriptions, Dates, Times, Location, Max_capacity) VALUES
2    (12391, 'Dhaka International Trade Fair', 'Annual trade fair showcasing products from local and international vendors.', '2023-12-01',
3    (12392, 'Ekushey Book Fair', 'The largest book fair in Bangladesh celebrating Bengali literature and culture.', '2023-02-01', '09:00:00
4    (12393, 'Pohela Boishakh Festival', 'Traditional Bengali New Year celebrations with cultural programs.', '2023-04-14', '08:00:00', 'Ram
5    (12394, 'Dhaka International Film Festival', 'Showcasing independent and international films.', '2023-03-20', '16:00:00', 'Shilpakala A
6    (12395, 'Bangladesh Fashion Week', 'Annual fashion event featuring designers and models from Bangladesh.', '2023-11-05', '18:00:00', 'P
7    (12396, 'Chittagong Hill Tracts Cultural Festival', 'Traditional festival showcasing indigenous culture and heritage.', '2023-10-10', '
8    (12397, 'Sylhet Tea Festival', 'Celebrating tea industry and culture in the Sylhet region.', '2023-09-15', '09:30:00', 'Sylhet Tea Gard
9    (12398, 'Bagerhat Mosque Heritage Tour', 'Tour and events focused on historic mosques and architecture.', '2023-08-20', '11:00:00', 'Ba
0    (12399, 'Rajshahi Silk Festival', 'Festival promoting Rajshahi silk and handloom products.', '2023-07-25', '10:00:00', 'Rajshahi City C
1    (123910, 'Coxâ€™s Bazar Beach Carnival', 'Annual beach carnival with cultural programs and sports.', '2023-12-20', '15:00:00', 'Coxâ€™s
2 •  SELECT *FROM Event_s;
```

sult Grid | Filter Rows: | Export: | Wrap Cell Content: IA

Event_ID	Title	Descriptions	Dates	Times	Location	Max_capacity
12391	Dhaka International Trade Fair	Annual trade fair showcasing products from loc...	2023-12-01	10:00:00	Bangabandhu International Conference Center,...	1000
12392	Ekushey Book Fair	The largest book fair in Bangladesh celebrating ...	2023-02-01	09:00:00	Dhaka University Campus, Dhaka	500
12393	Pohela Boishakh Festival	Traditional Bengali New Year celebrations with c...	2023-04-14	08:00:00	Ramna Park, Dhaka	2000
12394	Dhaka International Film Festival	Showcasing independent and international films.	2023-03-20	16:00:00	Shilpakala Academy, Dhaka	300
12395	Bangladesh Fashion Week	Annual fashion event featuring designers and m...	2023-11-05	18:00:00	Pan Pacific Sonargaon Hotel, Dhaka	400
12396	Chittagong Hill Tracts Cultural Festival	Traditional festival showcasing indigenous cultur...	2023-10-10	10:00:00	Chittagong Hill Tracts, Bandarban	600
12397	Sylhet Tea Festival	Celebrating tea industry and culture in the Sylh...	2023-09-15	09:30:00	Sylhet Tea Gardens, Sylhet	500
12398	Bagerhat Mosque Heritage Tour	Tour and events focused on historic mosques a...	2023-08-20	11:00:00	Bagerhat, Khulna Division	300
12399	Rajshahi Silk Festival	Festival promoting Rajshahi silk and handloom p...	2023-07-25	10:00:00	Rajshahi City Center, Rajshahi	450
123910	Coxâ€™s Bazar Beach Carnival	Annual beach carnival with cultural programs an...	2023-12-20	15:00:00	Coxâ€™s Bazar Beach, Coxâ€™s Bazar	1000

```sql
72 •  INSERT INTO Tickets (Ticket_ID, Event_ID, Ticket_type, Price, Total_available, Total_sold) VALUES
73    (40121, 12391 , 'VIP', 1500.00, 100, 4),
74    (40122, 12392, 'General ', 500.00, 400, 32),
75    (40123, 12393, 'Regular', 200.00, 300, 50),
76    (40124, 12394, 'Entry Pass', 100.00, 500, 50),
77    (40125, 12395, 'Screening', 800.00, 250, 30),
78    (40126, 12396, 'Front Row', 1200.00, 50, 20),
79    (40127, 12397, 'Cultural Pass', 300.00, 200, 32),
80    (40128, 12398, 'Tea Tour', 400.00, 150, 20),
81    (40129, 12399, 'Heritage Entry', 350.00, 100, 35),
82    (401210, 123910, 'Silk Festival Pass', 600.00, 180, 40);
83 •  SELECT *FROM Tickets;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

Ticket_ID	Event_ID	Ticket_type	Price	Total_available	Total_sold
40121	12391	VIP	1500.00	100	4
40122	12392	General	500.00	400	32
40123	12393	Regular	200.00	300	50
40124	12394	Entry Pass	100.00	500	50
40125	12395	Screening	800.00	250	30
40126	12396	Front Row	1200.00	50	20
40127	12397	Cultural Pass	300.00	200	32
40128	12398	Tea Tour	400.00	150	20
40129	12399	Heritage Entry	350.00	100	35
401210	123910	Silk Festival Pass	600.00	180	40

```sql
INSERT INTO Registrations (Registration_id, User_ID, Event_ID, Ticket_ID, Registration_date) VALUES
(1235461, 001, 12391, 40121, '2023-11-01 09:15:00'),
(1235462, 002, 12392, 40122, '2023-11-01 09:30:00'),
(1235463, 003, 12393, 40123, '2023-02-10 10:00:00'),
(1235464, 004, 12394, 40124, '2023-04-14 08:30:00'),
(1235465, 005, 12395, 40125, '2023-11-10 11:15:00'),
(1235466, 006, 12396, 40126, '2023-11-25 18:30:00'),
(1235467, 007, 12397, 40127, '2023-10-10 10:45:00'),
(1235468, 008, 12398, 40128, '2023-09-15 09:45:00'),
(1235469, 009, 12399, 40129, '2023-08-20 11:30:00'),
(12354610, 0010, 123910, 401210, '2023-07-25 10:00:00');
SELECT *FROM Registrations;
```

Registration_id	User_ID	Event_ID	Ticket_ID	Registration_date
1235461	1	12391	40121	2023-11-01 09:15:00
1235462	2	12392	40122	2023-11-01 09:30:00
1235463	3	12393	40123	2023-02-10 10:00:00
1235464	4	12394	40124	2023-04-14 08:30:00
1235465	5	12395	40125	2023-11-10 11:15:00
1235466	6	12396	40126	2023-11-25 18:30:00
1235467	7	12397	40127	2023-10-10 10:45:00
1235468	8	12398	40128	2023-09-15 09:45:00
1235469	9	12399	40129	2023-08-20 11:30:00
12354610	10	123910	401210	2023-07-25 10:00:00

```sql
INSERT INTO Feedback (Feedback_ID, Event_ID, User_ID, Rating, Comments, Feedback_date) VALUES
(3121, 12391, 001, 5, 'Amazing event with great organization!', '2023-12-02 14:00:00'),
(3122, 12391, 002, 4, 'Very informative but venue was a bit crowded.', '2023-12-02 15:30:00'),
(3123, 12392, 003, 5, 'Loved the cultural performances and food stalls.', '2023-02-03 12:20:00'),
(3124, 12393, 004, 4, 'Good exhibition but could use more lighting.', '2023-04-15 10:00:00'),
(3125, 12394, 005, 3, 'Food Festival was okay, but queue management needed improvement.', '2023-11-11 12:45:00'),
(3126, 12395, 006, 5, 'Startup Pitch Night was inspirational and well executed.', '2023-11-26 19:30:00'),
(3127, 12396, 007, 4, 'Great cultural festival but weather was hot.', '2023-10-11 11:15:00'),
(3128, 12397, 008, 5, 'Loved the tea festival and the tours.', '2023-09-16 13:00:00'),
(3129, 12398, 009, 4, 'Heritage tour was enlightening.', '2023-08-21 10:10:00'),
(31210, 12399, 0010, 5, 'Silk festival had beautiful products and friendly sellers.', '2023-07-26 14:25:00');
SELECT *FROM Feedback;
```

Feedback_ID	Event_ID	User_ID	Rating	Comments	Feedback_date
3121	12391	1	5	Amazing event with great organization!	2023-12-02 14:00:00
3122	12391	2	4	Very informative but venue was a bit crowded.	2023-12-02 15:30:00
3123	12392	3	5	Loved the cultural performances and food stalls.	2023-02-03 12:20:00
3124	12393	4	4	Good exhibition but could use more lighting.	2023-04-15 10:00:00
3125	12394	5	3	Food Festival was okay, but queue managemen…	2023-11-11 12:45:00
3126	12395	6	5	Startup Pitch Night was inspirational and well ex…	2023-11-26 19:30:00
3127	12396	7	4	Great cultural festival but weather was hot.	2023-10-11 11:15:00
3128	12397	8	5	Loved the tea festival and the tours.	2023-09-16 13:00:00
3129	12398	9	4	Heritage tour was enlightening.	2023-08-21 10:10:00
31210	12399	10	5	Silk festival had beautiful products and friendly …	2023-07-26 14:25:00

```
185 ●   INSERT INTO Purchase_Tickets (Ticket_ID, Event_ID, User_ID, Purchased) VALUES
186      (40121, 12391, 001, 5),
187      (40122, 12392, 002, 3),
188      (40123, 12393, 003, 2),
189      (40124, 12394,004, 4),
190      (40125, 12395, 005, 1),
191      (40126, 12396, 006, 6),
192      (40127, 12397, 007, 2),
193      (40128, 12398, 008, 7),
194      (40129, 12399, 009, 8),
195      (401210, 123910,010, 9);
196 ●   select *from Purchase_Tickets;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Ticket_ID	Event_ID	User_ID	Purchased
40121	12391	1	5
40122	12392	2	3
40123	12393	3	2
40124	12394	4	4
40125	12395	5	1
40126	12396	6	6
40127	12397	7	2
40128	12398	8	7
40129	12399	9	8
401210	123910	10	9

```
6 ●   SELECT Ticket_type,Price FROM Tickets WHERE Ticket_type="VIP" AND Price= 1500.00;
7     -- --Query 12:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Ticket_type	Price
VIP	1500.00

```
88 ●   SELECT Ticket_type FROM Tickets WHERE (Price BETWEEN 500.00 AND 1200.00);
89     -- --Query 13:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Ticket_type
General
Screening
Front Row
Silk Festival Pass

```
SELECT MAX(Price) AS HighestPrice FROM Tickets;
-- --Query 14:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

HighestPrice
1500.00

```
-- --Query 14:
SELECT MIN(Price) AS SmallestOrderPrice FROM Tickets;
-- --Query 15:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SmallestOrderPrice
100.00

```
94   SELECT SUM(Total_sold) AS Total_Ticket_Sold FROM Tickets;
95
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Total_Ticket_Sold
313

```
146   SELECT COUNT(User_ID) AS Total_UserID_Registerd FROM Feedback;
147
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Total_UserID_Registerd
10

```
149 •      SELECT DISTINCT Event_ID FROM Feedback;
150        -- --Query 8:
```

Result Grid | Filter Rows: | Export: |

Event_ID
12391
12392
12393
12394
12395
12396
12397
12398
12399

```
151 •      SELECT * FROM Feedback WHERE Comments LIKE 'a%';
152        -- --Query 9:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Feedback_ID	Event_ID	User_ID	Rating	Comments	Feedback_date
3121	12391	1	5	Amazing event with great organization!	2023-12-02 14:00:00

```
153 •      SELECT AVG(Rating) AS Average_Ratings FROM Feedback;
154        -- --Query 10:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Average_Ratings
4.4000

```sql
155 •    SELECT * FROM Feedback ORDER BY Feedback_date DESC;
156
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{\underline{IA}}$

Feedback_ID	Event_ID	User_ID	Rating	Comments	Feedback_date
3122	12391	2	4	Very informative but venue was a bit crowded.	2023-12-02 15:30:00
3121	12391	1	5	Amazing event with great organization!	2023-12-02 14:00:00
3126	12395	6	5	Startup Pitch Night was inspirational and well ex...	2023-11-26 19:30:00
3125	12394	5	3	Food Festival was okay, but queue managemen...	2023-11-11 12:45:00
3127	12396	7	4	Great cultural festival but weather was hot.	2023-10-11 11:15:00
3128	12397	8	5	Loved the tea festival and the tours.	2023-09-16 13:00:00
3129	12398	9	4	Heritage tour was enlightening.	2023-08-21 10:10:00
31210	12399	10	5	Silk festival had beautiful products and friendly ...	2023-07-26 14:25:00
3124	12393	4	4	Good exhibition but could use more lighting.	2023-04-15 10:00:00
3123	12392	3	5	Loved the cultural performances and food stalls.	2023-02-03 12:20:00

```sql
158 •    SELECT Users.Name_s FROM Users INNER JOIN
159      Registrations ON Users.User_ID = Registrations.User_ID;
160      -- Query 17:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Name_s
Rahim Khan
Karim Ahmed
Fatema Begum
Ankur
Jamal Hossain
Nabila Sultana
Rafiqur Rahman
Shabnam Akter
Tariq Islam
Zara khan

```
161 ●    SELECT Event_s.Event_ID,Event_s.Title FROM Event_s LEFT JOIN
162      Tickets ON Event_s.Event_ID = Tickets.Event_ID;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Event_ID	Title
12391	Dhaka International Trade Fair
12392	Ekushey Book Fair
12393	Pohela Boishakh Festival
12394	Dhaka International Film Festival
12395	Bangladesh Fashion Week
12396	Chittagong Hill Tracts Cultural Festival
12397	Sylhet Tea Festival
12398	Bagerhat Mosque Heritage Tour
12399	Rajshahi Silk Festival
123910	Coxâ€™s Bazar Beach Carnival

```
164 ●  SELECT * FROM Event_s WHERE Title LIKE 'd%' OR 'e%';
165     -- --Query 19:
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Event_ID	Title	Descriptions	Dates	Times	Location	Max_capacity
12391	Dhaka International Trade Fair	Annual trade fair showcasing products from loc...	2023-12-01	10:00:00	Bangabandhu International Conference Center,...	1000
12394	Dhaka International Film Festival	Showcasing independent and international films.	2023-03-20	16:00:00	Shilpakala Academy, Dhaka	300

```
168 ●    SELECT  Event_s.Event_ID,Event_s.Title,Feedback.Rating FROM Event_s LEFT JOIN
169      Feedback ON Event_s.Event_ID = Feedback.Event_ID WHERE Feedback.Rating=4;
170
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Event_ID	Title	Rating
12391	Dhaka International Trade Fair	4
12393	Pohela Boishakh Festival	4
12396	Chittagong Hill Tracts Cultural Festival	4
12398	Bagerhat Mosque Heritage Tour	4

```
199
200 ●  SELECT
201      pt.Ticket_ID, pt.Event_ID, pt.User_ID, pt.Purchased, t.Ticket_type, (t.Total_available - pt.Purchased)
202      AS Remaining_Tickets, (t.Total_sold + pt.Purchased) AS Updated_Total_Sold,
203      CASE
204          WHEN u.Role = 'Admin' THEN 'Admin' ELSE u.Name_s
205      END AS User_Name, e.Title AS Event_Title
206      FROM Purchase_Tickets pt INNER JOIN Tickets t ON pt.Ticket_ID = t.Ticket_ID INNER JOIN Event_s e ON pt.Event_ID = e.Event_ID
207      INNER JOIN Users u ON pt.User_ID = u.User_ID;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Ticket_ID	Event_ID	User_ID	Purchased	Ticket_type	Remaining_Tickets	Updated_Total_Sold	User_Name	Event_Title
40121	12391	1	5	VIP	95	9	Rahim Khan	Dhaka International Trade Fair
40122	12392	2	3	General	397	35	Karim Ahmed	Ekushey Book Fair
40123	12393	3	2	Regular	298	52	Fatema Begum	Pohela Boishakh Festival
40124	12394	4	4	Entry Pass	496	54	Admin	Dhaka International Film Festival
40125	12395	5	1	Screening	249	31	Jamal Hossain	Bangladesh Fashion Week
40126	12396	6	6	Front Row	44	26	Nabila Sultana	Chittagong Hill Tracts Cultural Festival
40127	12397	7	2	Cultural Pass	198	34	Rafiqur Rahman	Sylhet Tea Festival
40128	12398	8	7	Tea Tour	143	27	Shabnam Akter	Bagerhat Mosque Heritage Tour
40129	12399	9	8	Heritage Entry	92	43	Tariq Islam	Rajshahi Silk Festival
401210	123910	10	9	Silk Festival Pass	171	49	Admin	Coxâ€™s Bazar Beach Carnival

➤ **Discussion**

The database was structured to be simple and easy to understand, and to ensure data integrity. Implementing foreign key constraints facilitated the establishment of relationships between tables, such as linking users to their registrations and feedback. Challenges encountered included handling enum data types and ensuring the uniqueness of certain fields like email addresses. These were addressed by defining appropriate constraints and data types. I had trouble making the last query to make the purchase ticket record, so I asked my friend, and then we did some research together to solve it.

➤ **Conclusion**

The Event & Ticket Management System effectively manages various aspects of event organisation, from user registrations to feedback collection. Future enhancements could include integrating a user-friendly frontend interface and implementing real-time notifications for users.
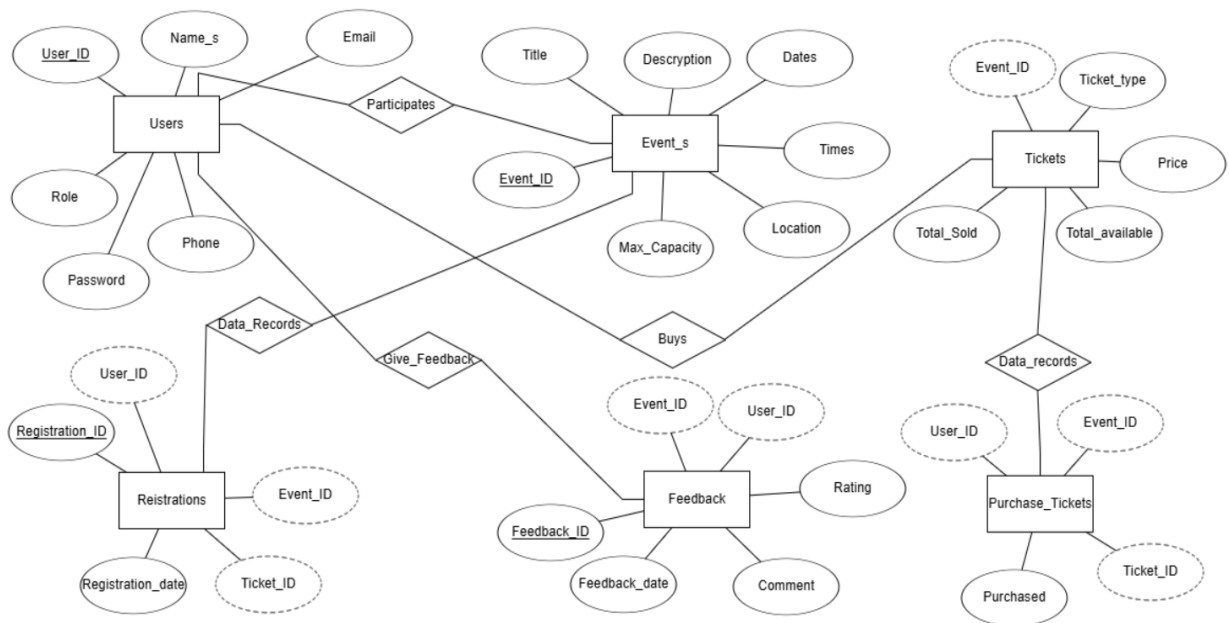
◈ **ER Diagram**

Entities:

- **Users**

- **Event_s**

- **Tickets**

- **Registrations**

- **Feedback**

- **Purchase_Tickets**

Relationships:

- Users ↔ Registrations ↔ Event_s

- Event_s ↔ Tickets

- Tickets ↔ Purchase_Tickets

- Users ↔ Feedback

-

◆ Relational Diagram

Tables and their keys:

- Users (User_ID PK)

- Event_s (Event_ID PK)

- Tickets (Ticket_ID PK, Event_ID FK)

- Registrations (Registration_id PK, User_ID FK, Event_ID FK, Ticket_ID FK)

- Feedback (Feedback_ID PK, Event_ID FK, User_ID FK)

- Purchase_Tickets (Ticket_ID, Event_ID, User_ID FK combination)