American International University Bangladesh

Project Report

Object Oriented Programming 2 (C#)
Section-P
<u>Faculty-Tofayet Sultan</u>

<u>Project Title:</u> Event Management System

Students Name	Students ID
M.M.GOLAM HAFIZ	22-48058-2
SAFIA AKTER SIMI	22-48008-2
FARAH MAFRUHA	22-48157-2
ZARIN TASNIM OISHE	22-48013-2

Introduction:

The Event Management System is intended to make event planning and management easier and more efficient.Whether it's a corporate conference,a music concert, or a community meeting.Our system tries to provide a user-friendly interface for all event planning and execution partners.The system will provide functionality targeted to various user types such as-User,Admin,Event Organizer.
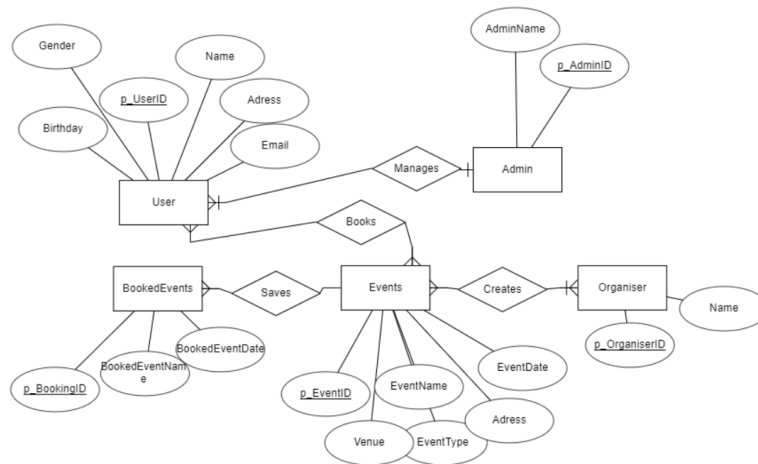
ER Diagram:

Fig-ER Diagram of Event Management System Database

Normalization:

Manages:
UNF:
Manages(p_UserID,p_AdminID,AdminName,Email,Adress,Name,Birthday,Gender)

1NF:
No Multivalued attribute.
1.p_UserID,p_AdminID,AdminName,Email,Adress,Name,Birthday,Gender

2NF:
1.p_AdminID, AdminName.
2.p_UserID, AdminName,Email,Adress,Name,Birthday,Gender.

Table Creation:
1. p_AdminID, AdminName.
2. p_UserID, AdminName,Email,Adress,Name,Birthday,Gender.

Creates:
UNF:
Creats(p_OrganiserID,p_EventID,Name,EventDate,Adress,EventType,EventName,Venue)

1NF:
No multivalued attribute.
1. p_OrganiserID,p_EventID,Name,EventDate,Adress,EventType,EventName,Venue.

2NF:
1. p_OrganiserID, Name.
2. p_EventID,EventDate,Adress,EventType,EventName,Venue.

Table Creation:
1.p_OrganiserID, Name.
2.p_EventID,EventDate,Adress,EventType,EventName,Venue.

Books:
UNF:
Books(p_EventID,EventDate,Adress,EventType,EventName,Venue,

1NF:
No Multivalued attribute.
1. p_UserID,Email,Adress,Name,Birthday,Gender,p_EventID,EventDate,EventType,
EventName,Venue..

2NF:
1.p_UserID,Email,Adress,Name,Birthday,Gender.
2.p_EventID,EventDate,Adress,EventType,EventName,Venue.

Table Creation:
1.p_UserID,Email,Adress,Name,Birthday,Gender.
2.p_EventID,EventDate,Adress,EventType,EventName,Venue.

Saves:
UNF:
Saves(p_EventID,EventDate,EventType,
EventName,Venue,p_BookingID,BookedEventName,BookedEventDate)

1NF:
No Multivalued attribute.
1.p_EventID,EventDate,EventType,EventName,Venue,p_BookingID,BookedEventName,Booke
dEventDate.

2NF:
1.p_EventID,EventDate,EventType,EventName,Venue.
2.p_BookingID,BookedEventName,BookedEventDate.

Table Creation:
1.p_EventID,EventDate,EventType,EventName,Venue.
2.p_BookingID,BookedEventName,BookedEventDate.

Tempoprary Table:
1. p_AdminID, AdminName.
2. p_UserID, AdminName,Email,Adress,Name,Birthday,Gender.
3.p_OrganiserID, Name.
4.p_EventID,EventDate,Adress,EventType,EventName,Venue.
5.~~p_UserID,Email,Adress,Name,Birthday,Gender.~~
6.~~p_EventID,EventDate,Adress,EventType,EventName,Venue.~~
7.~~p_EventID,EventDate,EventType,EventName,Venue.~~
8.p_BookingID,BookedEventName,BookedEventDate.

Final Table:
1. p_AdminID, AdminName.

2. p_UserID, AdminName,Email,Adress,Name,Birthday,Gender.

3.p_OrganiserID, Name.

```
SQLQuery3.sql - LAP...SS.master (sa (52))*  ×
    SELECT TOP 1000 [OrganiserID]
          ,[Name]
          ,[Password]
      FROM [Event Management System].[dbo].[Organiser]
```

100 % ▼ <

Results | Messages

	Organise...	Name	Password
1	1	org	org

4.p_EventID,EventDate,Adress,EventType,EventName,Venue.

```
SQLQuery4.sql - LAP...SS.master (sa (53))*  ×
    SELECT TOP 1000 [EventID]
          ,[EventType]
          ,[EventName]
          ,[EventDate]
          ,[Venue]
          ,[Address]
      FROM [Event Management System].[dbo].[Events]
```

100 % ▼ <   database Event Management System

Results | Messages

	EventID	EventType	EventNa...	EventDate	Venue	Address
1	1	Seminar	AI	2024-07-01	Dhaka	Khilkhet
2	2	Wedding	P weeds Q	2024-05-23	Dhaka	Khilkhet
3	3	Sporting Event	Football	2024-05-15	DK	Mirpur

5.p_BookingID,BookedEventName,BookedEventDate.

```
SQLQuery5.sql - LAP...SS.master (sa (52))*  ×
    SELECT TOP 1000 [BookingID]
          ,[BookedEventName]
          ,[BookedEventDate]
      FROM [Event Management System].[dbo].[BookedEvents]
```
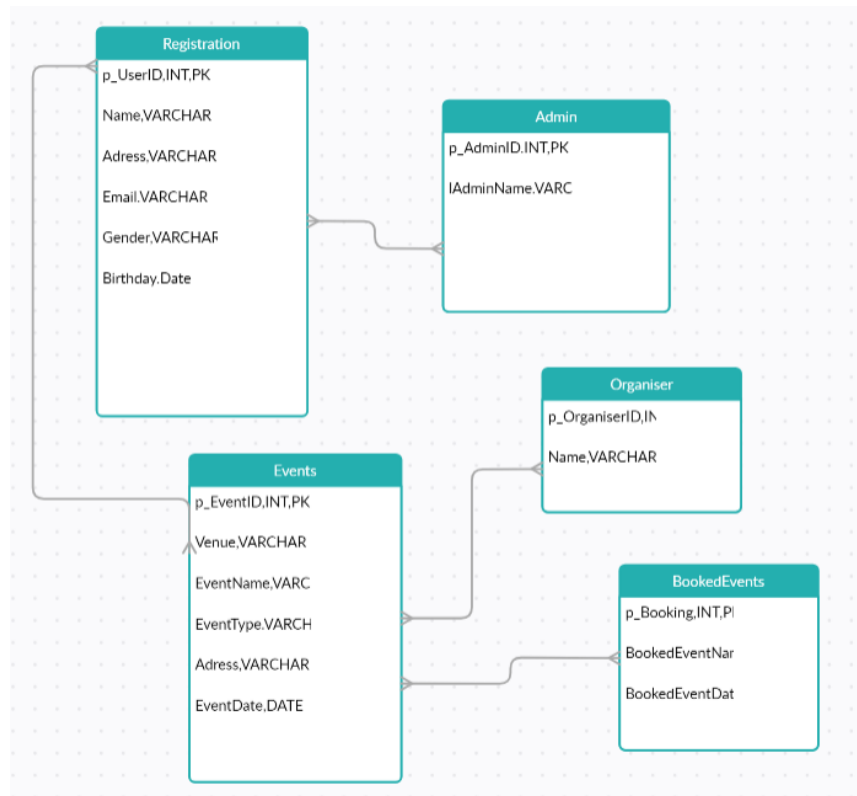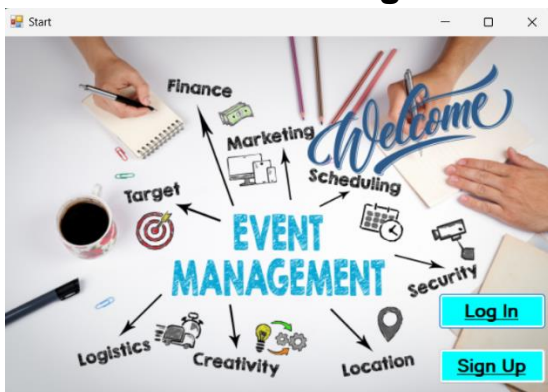
100 % ▼ <

Results | Messages

	BookingID	BookedEventNa...	BookedEventD...
1	7	AI	2024-07-01
2	8	AI	2024-07-01
3	9	AI	2024-07-01
4	1007	P weeds Q	2024-05-23
5	1008	AI	2024-07-01
6	1009	AI	2024-07-01
7	1010	AI	2024-07-01
8	1011	P weeds Q	2024-05-23

Schema Diagram:

Pictures of Design:

References:

1. https://erdplus.com/standalone(To make ER Diagram).
2. https://www.youtube.com/watch?v=Ro3KMabx2Zs.
3. www.GitHub.com
4. https://www.guru99.com/c-sharp-access-database.html
5. https://stackoverflow.com
6. Programming Concepts (C#) - C# | Microsoft Learn
7. https://zetcode.com/csharp/windowsforms