



American International University Bangladesh

Project Report

Object Oriented Programming 2 (C#)

Section-P

Faculty-Tofayet Sultan

Project Title: **Event Management System**

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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:

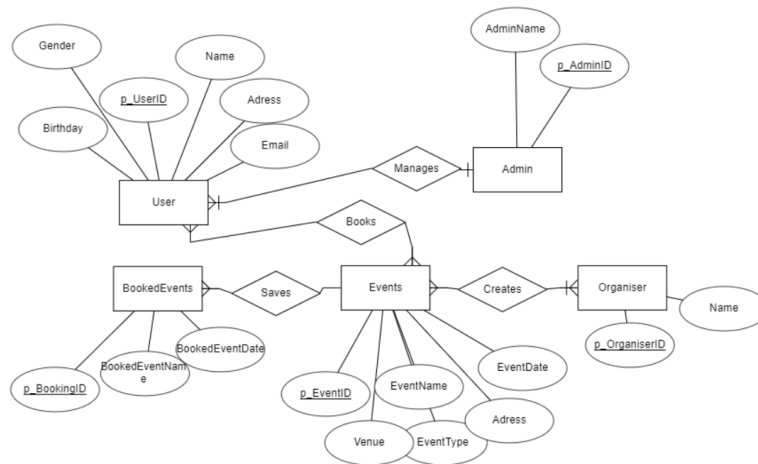


Fig-ER Diagram of Event Management System Database

Normalization:

Manages:

UNF:

Manages(p_UserID, p_AdminID, AdminName, Email, Address, Name, Birthday, Gender)

1NF:

No Multivalued attribute.

1. p_UserID, p_AdminID, AdminName, Email, Address, Name, Birthday, Gender

2NF:

1. p_AdminID, AdminName.

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

Table Creation:

1. p_AdminID, AdminName.

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

Creates:

UNF:

Creates(p_OrganiserID, p_EventID, Name, EventDate, Address, EventType, EventName, Venue)

1NF:

No multivalued attribute.

1. p_OrganiserID, p_EventID, Name, EventDate, Address, EventType, EventName, Venue.

2NF:

1. p_OrganiserID, Name.

2. p_EventID, EventDate, Address, EventType, EventName, Venue.

Table Creation:

1. p_OrganiserID, Name.

2. p_EventID, EventDate, Address, EventType, EventName, Venue.

Books:

UNF:

Books(p_EventID, EventDate, Address, EventType, EventName, Venue,

1NF:

No Multivalued attribute.

1. p_UserID, Email, Address, Name, Birthday, Gender, p_EventID, EventDate, EventType, EventName, Venue..

2NF:

1. p_UserID, Email, Address, Name, Birthday, Gender.

2. p_EventID, EventDate, Address, EventType, EventName, Venue.

Table Creation:

1. p_UserID, Email, Address, Name, Birthday, Gender.

2. p_EventID, EventDate, Address, 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, BookedEventDate.

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, Address, EventType, EventName, Venue.
5. p_UserID, Email, Address, Name, Birthday, Gender.
6. p_EventID, EventDate, Address, EventType, EventName, Venue.
7. p_EventID, EventDate, EventType, EventName, Venue.
8. p_BookingID, BookedEventName, BookedEventDate.

Final Table:

1. p_AdminID, AdminName.

SQLQuery1.sql - LAP...SS.master (sa (52))* X

```
SELECT TOP 1000 [AdminID]
, [AdminName]
, [AdminPassword]
FROM [Event Management System].[dbo].[AdminCredentials]
```

100 % <

Results Messages

	AdminID	AdminNa...	AdminPasswo...
1	1	admin	admin
2	2	admin	admin

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

SQLQuery2.sql - LAP...SS.master (sa (53))* X

```
SELECT TOP 1000 [UserID]
, [Name]
, [Address]
, [Email]
, [Gender]
, [Birthday]
, [Password]
FROM [Event Management System].[dbo].[Registration]
```

100 % <

Results Messages

	UserID	Name	Addre...	Email	Gen...	Birthday	Password
1	11	rafa	niknja	qq	Male	2024-04-23	ww
2	12	a	t	w	Male	2006-08-01	e

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, Address, 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 %

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))*

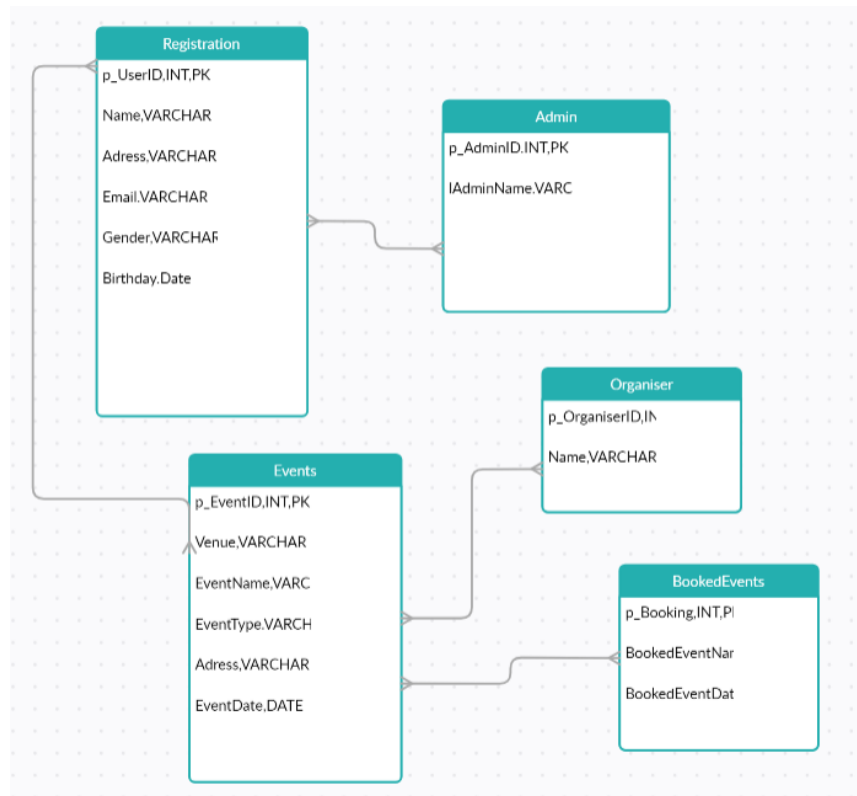
```
SELECT TOP 1000 [BookingID]
, [BookedEventName]
, [BookedEventDate]
FROM [Event Management System].[dbo].[BookedEvents]
```

100 %

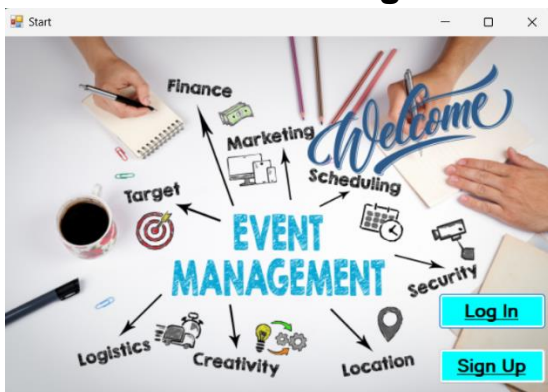
Results Messages

	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:



A login form with an orange background and a network pattern. It includes fields for Name and Password, a "Hide Pass" checkbox, and "Sign Up" and "Sign In" buttons.

A registration form with an orange background and a network pattern. It includes fields for Name, Address, E-mail, Password, Birth Date, Gender, and Confirm Password. It also has "Sign In" and "Sign Up" buttons.

An AdminActionsForm with an orange header and a table of user data. The table has columns for UserID, Name, Address, Email, Gender, and Birthday. Below the table is a "Return" button.

	UserID	Name	Address	Email	Gender	Birthday
▶	11	rafa	nikrja	qq	Male	4/23/20
*						

Create Event

Event Type:

Event Name:

Event Date:

Venue:

Adress:

Edit Your Profile

Name:

Adress:

E-mail(Must be same):

Password:

Birth Date:

Confirm Password:

Gender:

Choice_page

Welcome to Your Personal

Book_Event

	EventID	Event Type	EventName	EventDate
▶	1	Seminar	AI	7/1/2024
	2	Wedding	P weeds Q	5/23/2024
*				

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](https://www.microsoft.com/learn/csharp/)
7. <https://zetcode.com/csharp/windowsforms>