A

PROJECT REPORT ON

Event Management System

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CERTIFICATE

This is to certify that the practical / term work

carried out in the subject of

SERVICE ORIENTED COMPUTING and recorded in this

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1.   Abstract

This project "Online Event Management System" provides the simple interface for maintenance of event information. Event organization, whether big or small, has challenges to overcome and managing the information of activity, event , etc .The main objective of the project on event management system is to manage the details of the events. This is a WCF Service developed in Asp.net and Sql Database. The main objective is at administrative side to efficiently evaluate the Event Database with interoperability through a fully automated system. It track all the details of the events.

2.   Introduction

2.1 Brief Introduction

Now a Days Event Organizers are very fond of the system where They can efficiently manages their events without any bound of technology or platform. The purpose of online event management system is to automate the existing manual system by computerized equipments, fulfilling their requirements , so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. so we made a WCF service, by which they can even not efficiently but with securly and without any boundry manges their event i.e. doing all CRUD oprations. Hear we have made a demo web client also to perform all Database oprations with event data.

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2.2 Tools/Technologies Used

Technologies :

      WCF Services in .Net

      C#, Web Client in ASP.net

      SQL Server Database

Tools :

      Visual Studio 2019

      GitHub Desktop

      Umlet

3. Software Requirement Specifications

3.1 Types of User

    1. Candidate

    2. Admin

3.2 System Functional Requirements

Candidate's Features

R1 : Login

    Description : candidate can login up in System by entering
              necessary data i.e. email, Password.

    Input : candidate details

    Output : Success/error message

R2 : Logout

    Input : candidate request

    Output : Success/error message

R3 : Sign up

        Description : candidate can sign up in System by entering
               necessary data i.e.Name,email,Password.

        Input : candidate details

        Output : Success/error message

R4 : Manage candidate's profile

        Description : candidate can view own profile details and also
               update it.

    R4.1 : View profile details

        Input : candidate request

        Output : Profile details

    R4.2 : Update profile details

        Input : candidate details

        Output : Success/error message

R5 : View event list

        Description : candidate can view upcoming events details.

        Input : candidate request

        Output : Event details list

R6 : Register for event

        Description : candidate can register for upcoming events by selecting from available event list.

        Input : candidate request

        Output : Success/error message

R7 : View Result

        Description : candidate can see own result of either particular event or for those problems whose solutions are submitted.

        Input : candidate selection

        Output : Result details

Admin Features

R8 : Login

        Description : Admin can login up in System by entering necessary data i.e. email, Password.

        Input : employer details

        Output : Success/error message

R9: Logout

        Input : employer request

        Output : Success/error message

R10. Manage Event

    R10.1 Display Event Result List

        Description:- Admin Can See The List Of Winner User By Click the Appropriate Selection. Admin can do Add / Update / Delete / View Events .

        Input :- Admin Request

        Output :- Winner List

    R10.2 Event Team List

        Description:- Admin Can See List Of Event Teams.

        Input :- Admin Request

        Output :- Success/Error Message

    R10.3 Add Event

        Input:Enter Event Details

        Output:Success/Error Message

    R10.4 Delete Event

        Input:Event Id

        Output:Success/Error Message

    R10.5 Update Event Details

        Input: Event Id And Update Details

        Output:Success/Error Message

R10.6 Show/Find Event Details

    Input:Event Id
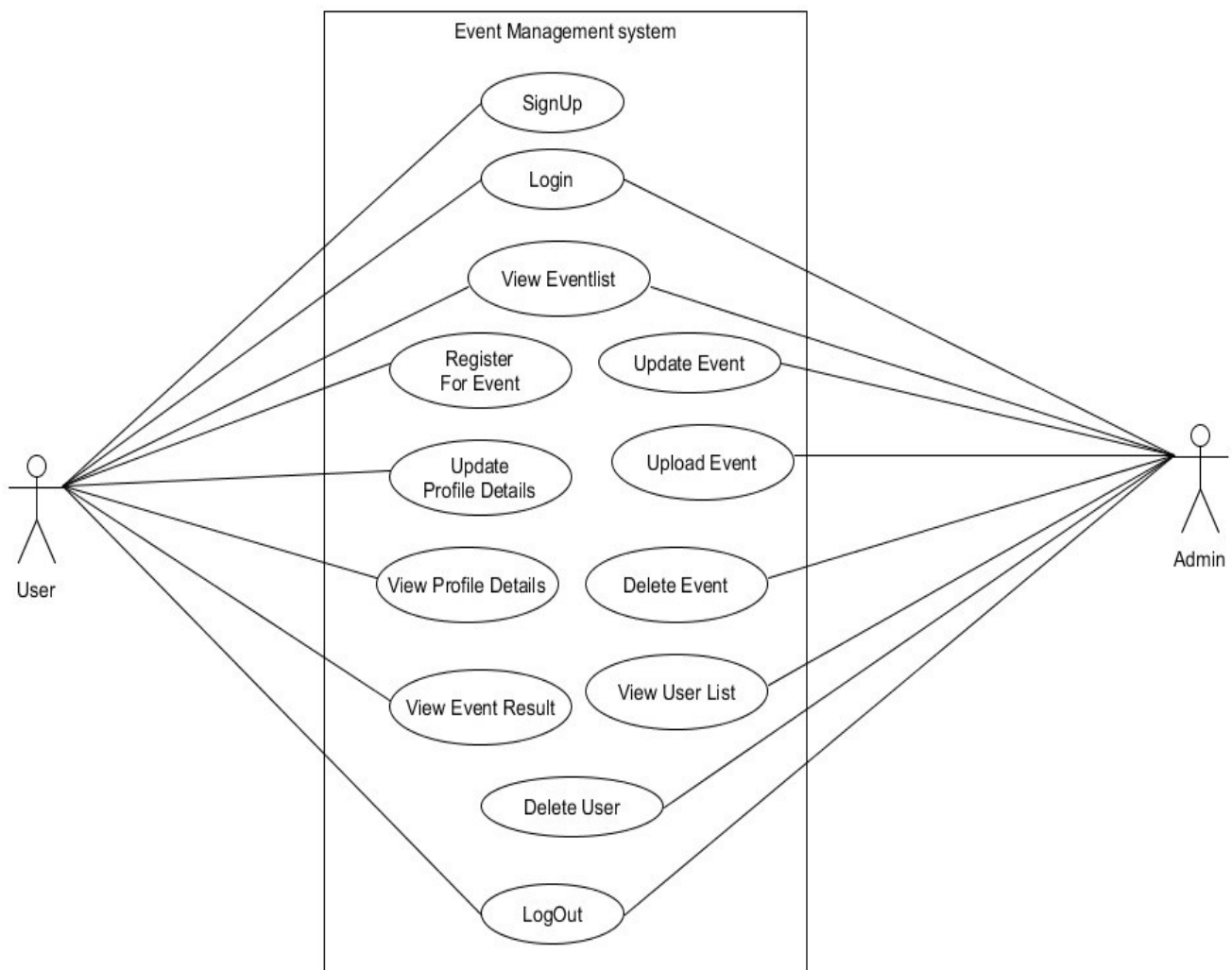
    Output:Event Details
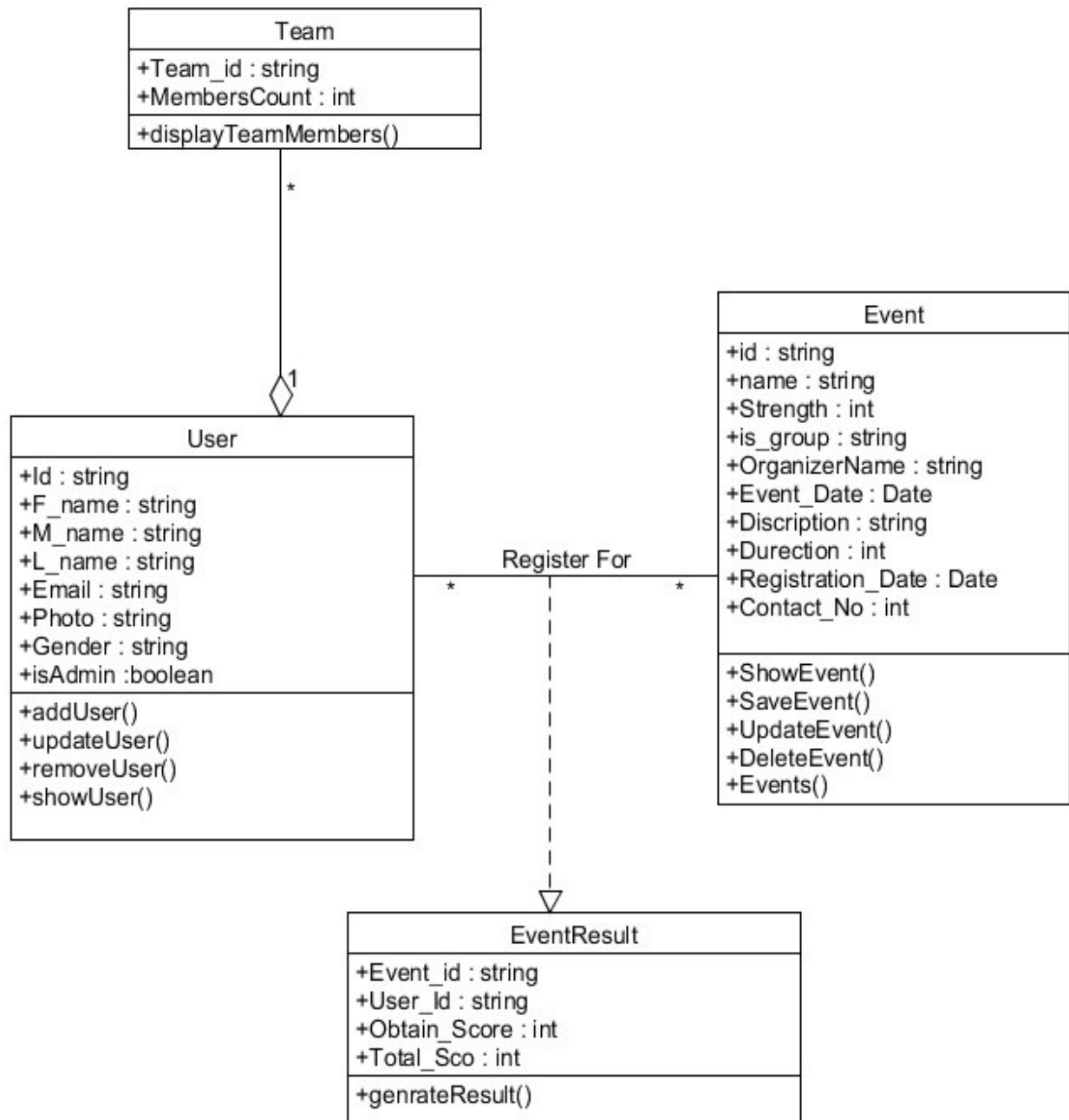
R10.7 Display Events List

    Input:Admin Request

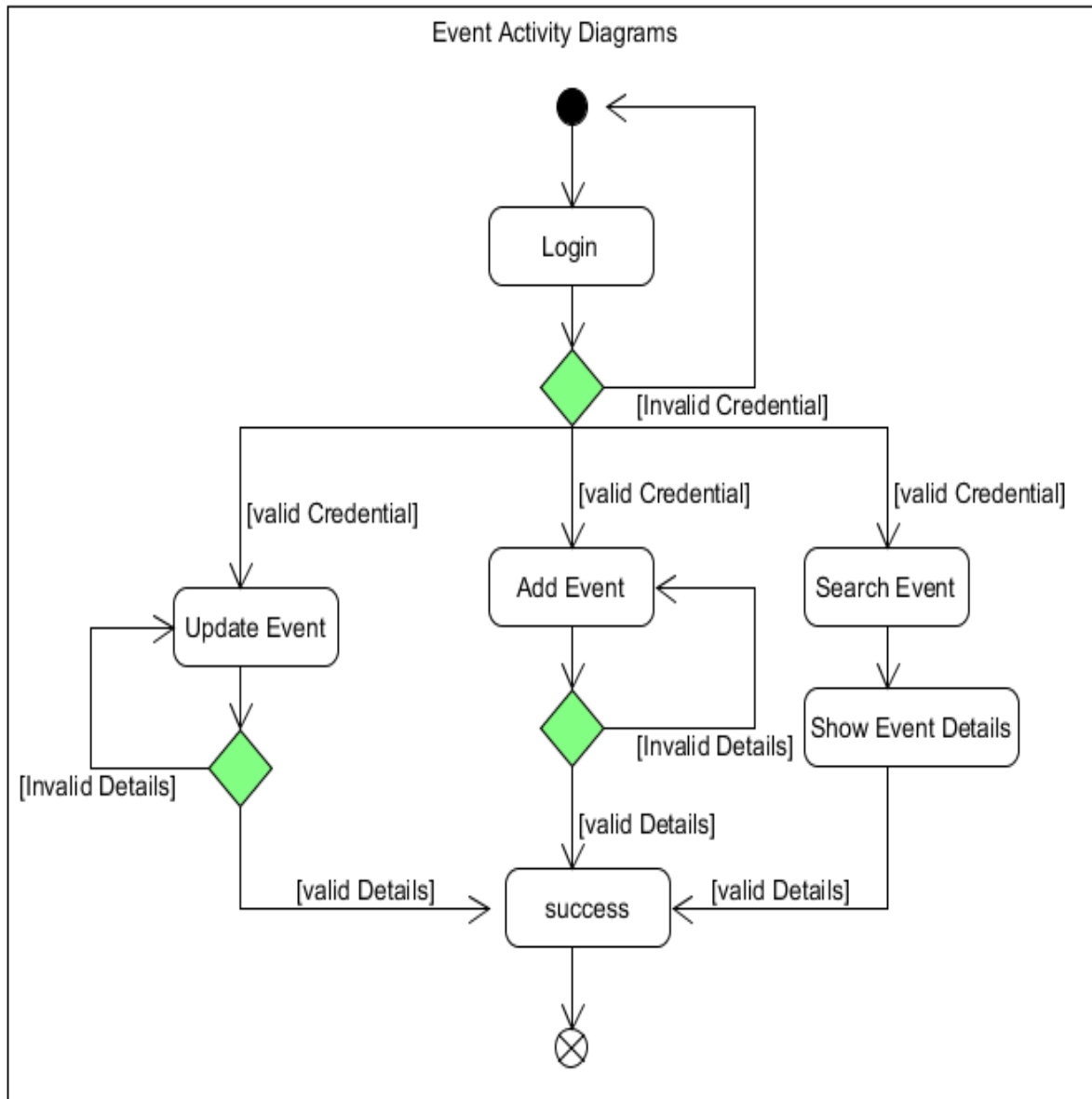   Output:Events List

4.   Design

4.1 USECASE DIAGRAM

4.2 CLASS DIAGRAM

```
┌─────────────────────────────┐
│            Team             │
├─────────────────────────────┤
│ +Team_id : string           │
│ +MembersCount : int         │
├─────────────────────────────┤
│ +displayTeamMembers()       │
└─────────────────────────────┘
               │ *
               │
               ◇ 1
┌─────────────────────────────┐
│            User             │
├─────────────────────────────┤
│ +Id : string                │
│ +F_name : string            │
│ +M_name : string            │
│ +L_name : string            │
│ +Email : string             │
│ +Photo : string             │
│ +Gender : string            │
│ +isAdmin :boolean           │
├─────────────────────────────┤
│ +addUser()                  │
│ +updateUser()               │
│ +removeUser()               │
│ +showUser()                 │
└─────────────────────────────┘
```

```
┌─────────────────────────────────┐
│              Event              │
├─────────────────────────────────┤
│ +id : string                    │
│ +name : string                  │
│ +Strength : int                 │
│ +is_group : string              │
│ +OrganizerName : string         │
│ +Event_Date : Date              │
│ +Discription : string           │
│ +Durection : int                │
│ +Registration_Date : Date       │
│ +Contact_No : int               │
├─────────────────────────────────┤
│ +ShowEvent()                    │
│ +SaveEvent()                    │
│ +UpdateEvent()                  │
│ +DeleteEvent()                  │
│ +Events()                       │
└─────────────────────────────────┘
```

Register For   *   *

```
┌─────────────────────────────┐
│          EventResult        │
├─────────────────────────────┤
│ +Event_id : string          │
│ +User_Id : string           │
│ +Obtain_Score : int         │
│ +Total_Sco : int            │
├─────────────────────────────┤
│ +genrateResult()            │
└─────────────────────────────┘
```

4.3 ACTIVITY DIAGRAM

4.4 E-R Diagram
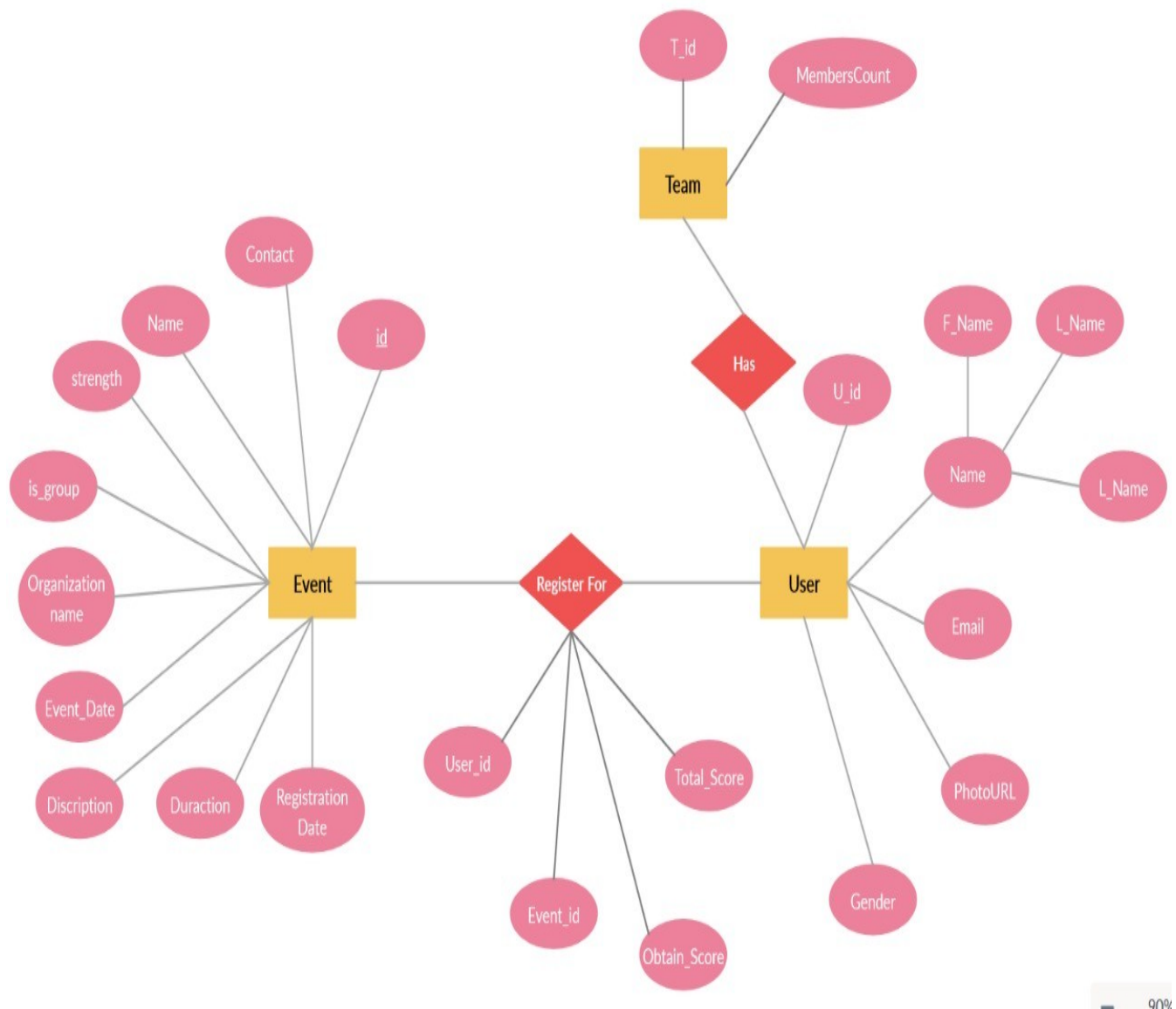
4.5 Data Dictionary

Data Dictionary – Event Management System

Event						
Sr No.	Field Name	Data Type	Width	Required	Unique	PK/FK
1	id	int	10	Yes	Yes	PK
2	name	Varchar	15	Yes	No	
3	Strength	int	2	Yes	No	
4	is_group	Varchar	1	Yes	No	
5	OrganizerName	Varchar	25	Yes	No	
6	Event_Date	Date		Yes	No	
7	Discription	Varchar	100	Yes	No	
8	Durection	int	2	Yes	No	
9	Registration_Date	Date		Yes	No	
10	Contact_No	int	10	Yes	No	
Team						
Sr No.	Field Name	Data Type	Width	Required	Unique	PK/FK
1	Team_id	int	10	Yes	Yes	PK
2	Member_Count	int	2	Yes	Yes	

User						
Sr No.	Field Name	Data Type	Width	Required	Unique	PK/FK
1	id	int	10	Yes	Yes	PK
2	F_Name	Varchar	30	Yes	no	
3	L_Name	Varchar	30	Yes	No	
4	M_name	Date	30	Yes	No	
5	Email	Varchar	30	Yes	No	
6	PhotoURL	Varchar	25	Yes	No	
7	Gender	int	1	Yes	No	
8	isAdmin	Boolean	10	Yes	No	

EventResult						
Sr No.	Field Name	Data Type	Width	Required	Unique	PK/FK
1	Event_id	int	10	Yes	Yes	PK
2	User_id	int	10	Yes	Yes	PK
3	Obtaind_Marks	int	50	Yes	Yes	
4	Total_Marks	int	50	Yes	Yes	

5.   Implementation Details

Event Management module:

This module is used to doing the crud oprations for event's data to database via WCF services because this provides better security and reliablity as compared to web services or ASMX services. One of its key features Of this Module is interoperability, that is, a single platform used to exchange information using various network protocols and platforms.

6. Testing

Testcases:

Function name	Field Input	Expected output	Actual output
Save Event	Details Of Event	Successe Message	Successe Message
Delete Event	Valid Event Id	Success message and Stay to page	Success message and Stay to page
Search Event	InValid Event Id	Error message and stay to page	Error message and stay to page
Search Event	Valid Event Id	Details of Event appear on scrren	Details of Event appear on scrren
EventList	Admin Selection	Tabular fields in which all details are present	Tabular fields in which all details are present

7. screen shots

1. Web client Main Page View

EVENT MANAGEMENT

Event Name	
Event Strength	
Event Organizer By	
Event Date	
Discription	
Duraction in Number of hour	
Event Registration Start From	
ContactNo	
☐ **Is group Event**	Clear Data
Id :	*FOR GET, UPDATE & DELETE EVENT ID IS REQUIRED
Save Event	Get Event
Delet Event	Update
Your Message Appear Here	

2. Demo Details Added In All Text Boxes

EVENT MANAGEMENT

Event Name	box cricket
Event Strength	200
Event Organizer By	CE dept
Event Date	02-03-2020
Discription	at MMH
Duraction in Number of hour	6
Event Registration Start From	25-02-2020
ContactNo	9429355416
☑ **Is group Event**	Clear Data
Id :	*FOR GET,UPDATE & DELETE EVENT ID IS REQUIRED
Save Event	Get Event
Delet Event	Update
Your Message Appear Here	

3.Event Added Successfully

EVENT MANAGEMENT

Event Name	
Event Strength	
Event Organizer By	
Event Date	
Discription	
Duraction in Number of hour	
Event Registration Start From	
ContactNo	
☐ **Is group Event**	Clear Data
Id : 5006	*FOR GET,UPDATE & DELETE EVENT ID IS REQUIRED
Save Event	Get Event
Delet Event	Update
Event Details Successfully Added with Id 5006	

4.Event Deleted,Which has Id 5005 and Success message

Id : 5005		*FOR GET,UPDATE & DELETE EVENT ID IS REQUIRED
Save Event		Get Event
Delet Event		Update
Event Successfully Deleted		

5.Search Event with Invalid Id ,Not Found

EVENT MANAGEMENT

Event Name	
Event Strength	
Event Organizer By	
Event Date	
Discription	
Duraction in Number of hour	
Event Registration Start From	
ContactNo	
☐ Is group Event	Clear Data
Id : 100	*FOR GET,UPDATE & DELETE EVENT ID IS REQUIRED
Save Event	Get Event
Delet Event	Update
Event Not Found	

6.Event Updated Successfully

Save Event	Get Event
Delet Event	Update
Event Update Successfully	

7. Test Client
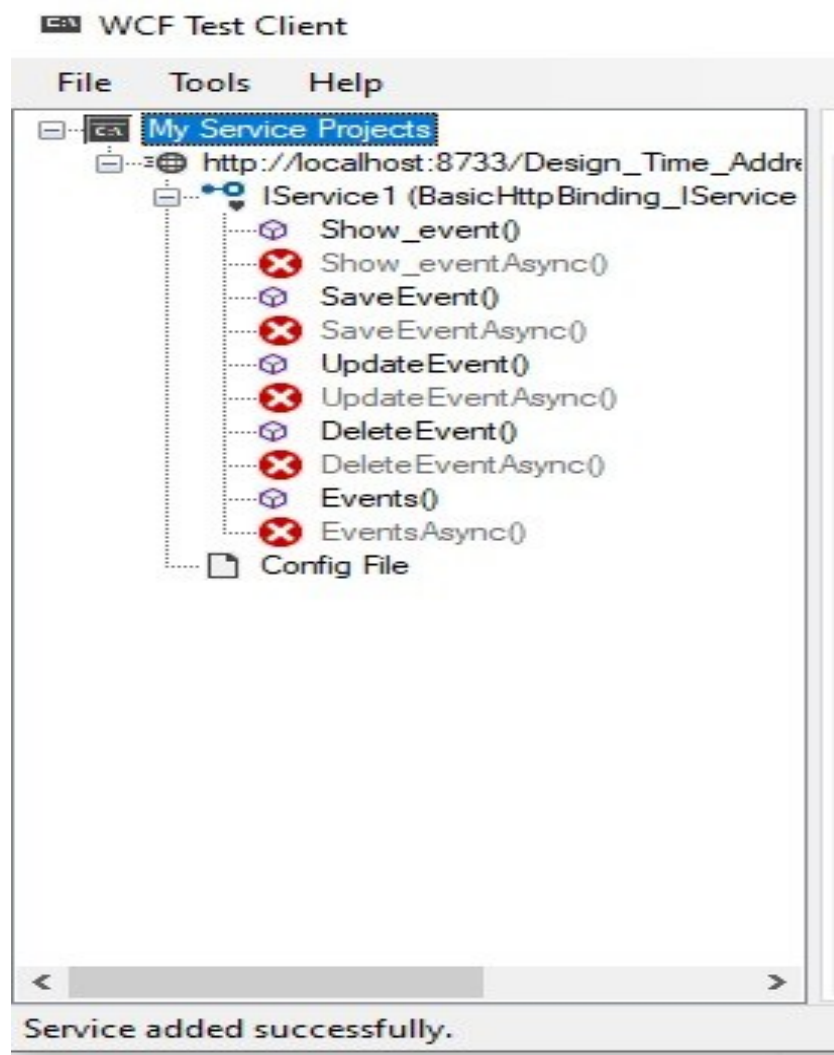
8.conclusion

The functionalities implemented in system after understanding all the system modules according to the requirements. Functionalities That are successfully implemented in the system are :

- Event Added In Database

- Event Search Opration

- Event Update Successfully

- Event Deletion and retrive All event's List Successfully

After the implementation and coding of system comprehensive testing was performed on the system to determine the errors and possible flaws in the system.

9.Future Enhancement

The System has adequate scope for modification in future if it is necessary.

Refining existing services and adding more service, System security, data security and reliability are the main feature.

Currently The Functionalities related to Event Data Management is implemented.

In the future Whole System i.e. User Managment and Result generation Services Can be added to this.

10. Reference / Bibliography

Following links and websites were referred during the development of this project.

https://www.google.co.in

http://www.wikipedia.org

http://www.w3schools.com

http://www.tutorialspoint.com

http://www.stackoverflow.com

https://docs.microsoft.com/en-us/dotnet/wcf/