



**Sport IT**

**We Help Your Sport Event Go Live**

MSIS 2603-Database Management Systems

Dr. Sailesh Agarwal

Sahil Jain (W1181978)

Shalaka Dixit (W1186004)

Neeraj Bhagchandani (W1181984)

Urvi Munot (W1185633)

## Index

No.	Title	Page Number
1	Business Application Description	2
2	Type of users	3
3	Use Case Diagrams	4
4	Queries for each user type	7
5	Business Metrics	9
6	UML Model	10
7	Physical Schema	11
8	SQL Queries	14
8.1	Script for Creating Tables	17
8.2	Adding References and Constraints	20
8.3	Script for Populating Database	25
8.4	SQL Queries for Users	34
9	Queries for Business Metrics	38
10	Business Metrics Reports	39
11	Project Summary	

## **1. Business Application Description**

SportIT is a Sport Event Management Organization that Unifies Event Hosts, Sponsors, Teams and Audiences through its online portal enabling Sport Events to go Live. Through the online portal hosts can submit an event proposal, sponsors can register for sponsorship and audiences can book tickets right at their fingertips.

Organizers may not have all the resources at hand to host their event. SportIT helps them organize the event in a more efficient way by providing resources such as referees, coordinators, technical staff etc. SportIT targets larger audiences by use of social media share feature such as Facebook.

We encourage sports so that more local teams can register and gain recognition hence encouraging more players to participate. Local events would provide more opportunities for upcoming players.

Event Sponsors can provide sponsorship in various forms such as monetary, rewards, discount coupons and merchandize. Each sponsor would be featured on the event page exclusively and also at the venue of the event. This would also provide a medium for the audiences to enjoy the sport entertainment at the same time get familiar to various sponsors and their products.

SportIT would generate revenue from sponsorships, hosts, and audiences.

At the local level tickets would be priced minimal so as to attract more audiences and encourage sports. In case of famous teams playing at bigger venues there would be various tickets available differing in price.

In the future we also plan to provide analytics from the gathered data. Trends such as which local team is most famous, which sport is most liked in an area, which sport is most played in which season, most talented teams, which events bring in the highest revenue, churn ratio for the hosts, etc.

## 2. Types of Users of the Application

Our application has following 5 types of users:

- Host
- Teams
- Sponsors
- Audience
- Manager

Host – The application is mainly designed for the host. The application would provide ease of organizing a sport event for the host.

Teams – Teams can view the list of upcoming sport events and register themselves. Only one team member needs to login and register for the event. The teams can also cancel their registration.

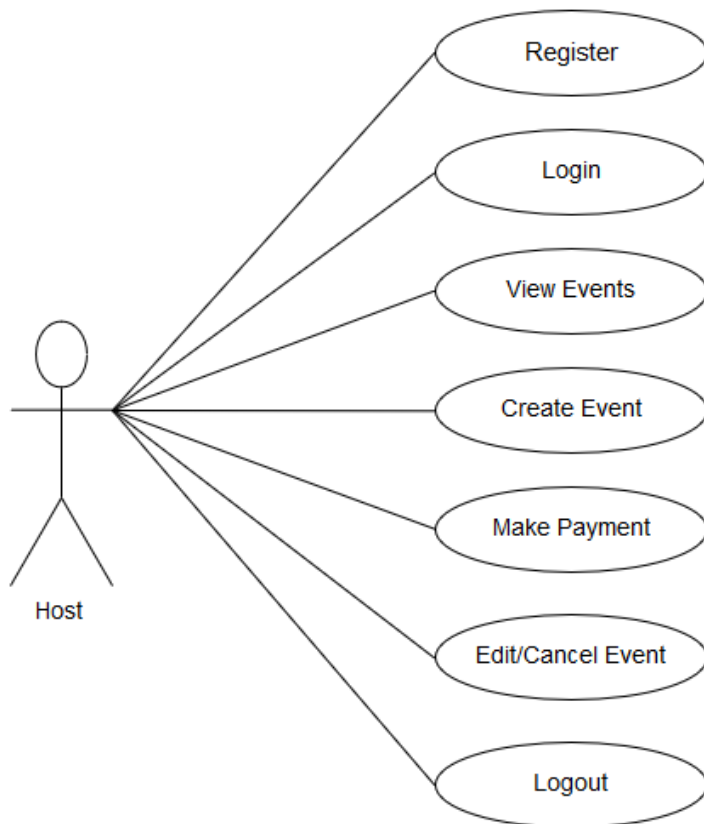
Sponsors – The sponsors can view the list of events and sponsors the sport event of their interest. The sponsors can also edit/cancel the offered sponsorship using the application.

Audience – The application helps the audience book tickets online for upcoming events. Audience can also cancel the tickets using the application.

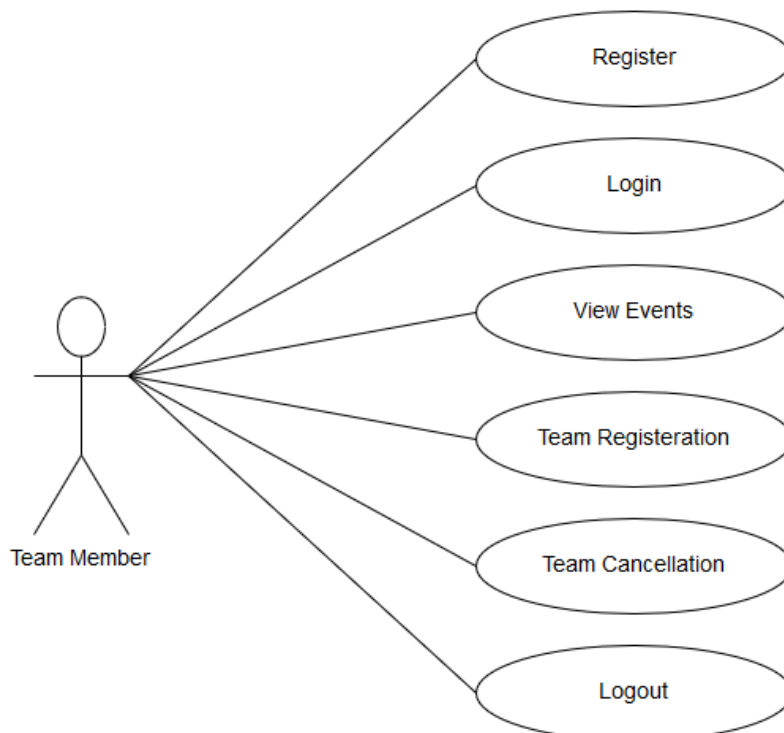
Manager – The manager organizes the entire event, including finalizing the venues and referees for the event, based on the preferences given by the host. Depending on the availability of the venue and referees the manager will approve the event. Similarly, the manager also approves sponsorships offered by the sponsors.

### 3. Use Case Diagrams:

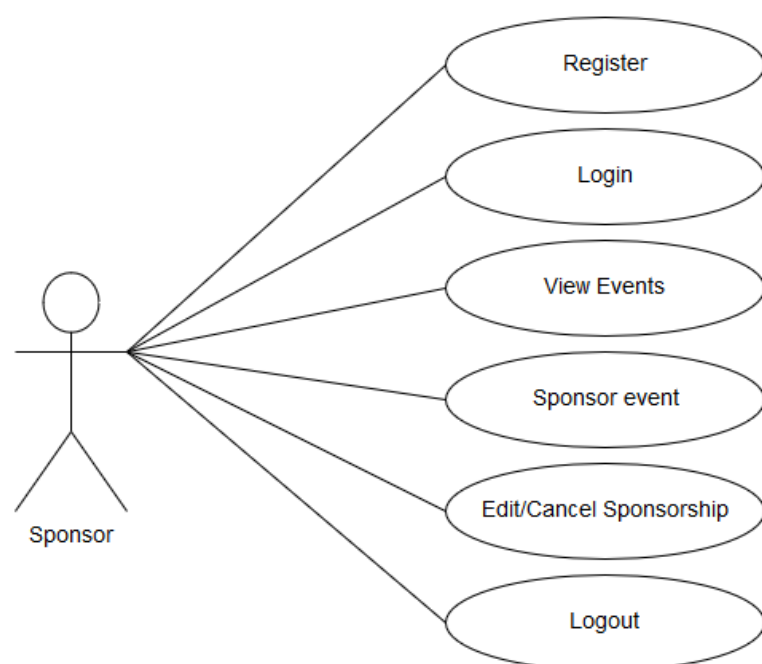
#### 3.1 Host



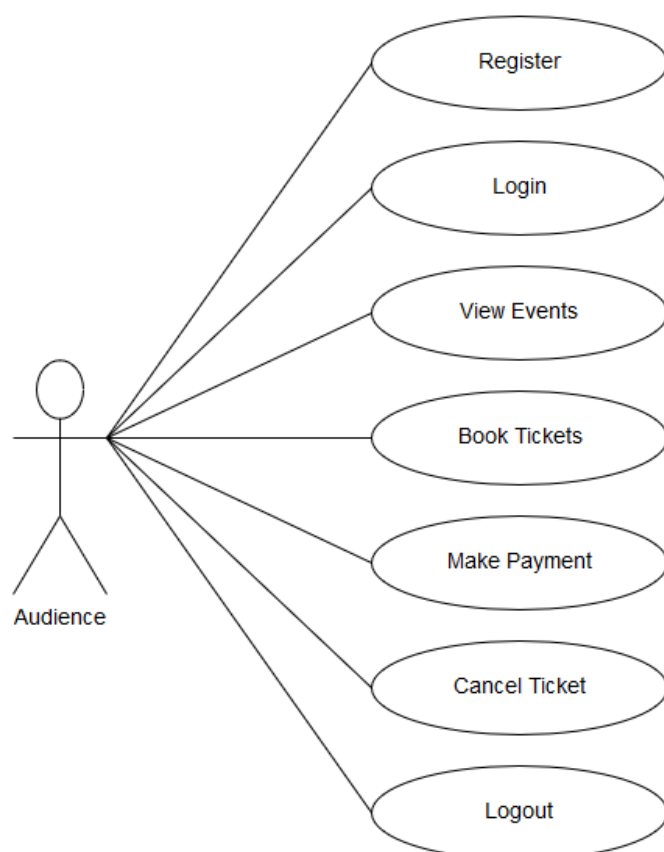
#### 3.2 Team Member



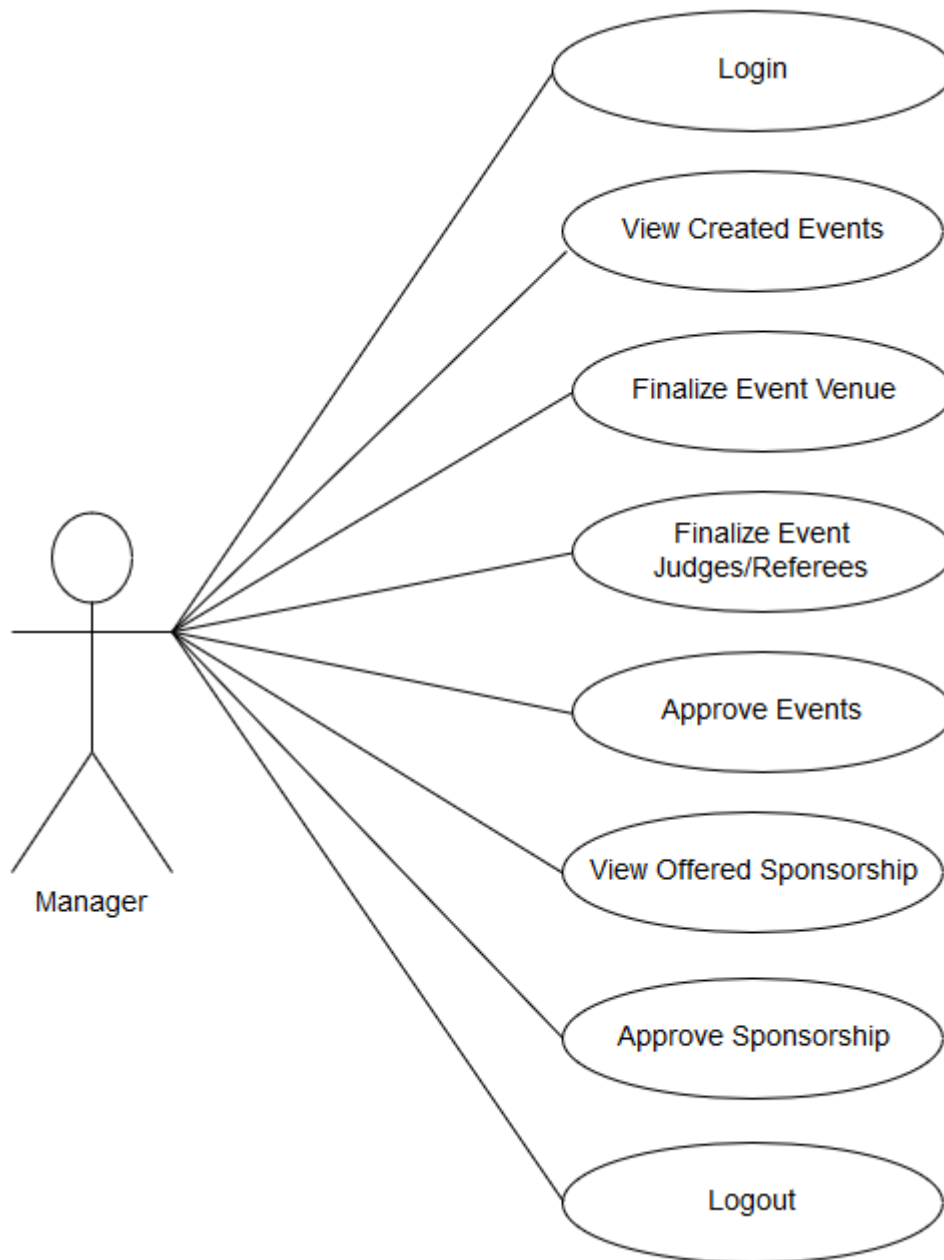
### 3.3 Sponsors



### 3.4 Audience



### 3.5 Manager



## **4. Queries for each User of the System**

### **4.1 Host**

4.1.1 Host Registration - Host needs to register with username, password, address, phone number and email-id.

4.1.2 Host Login – Host needs to login with username and password to create any new event.

4.1.3 Event Creation – The host has to fill in the event creation form and provide details like event start date, end date, preferred venue, budget.

4.1.4 Make payment – Once the event is approved by the manager, the host has to make the payment.

4.1.5 Edit/Cancel Event – The host can edit event details or cancel the event within 48 hours of creation.

### **4.2 Team Member**

4.2.1 Team Member Registration – Team Member needs to register with username, password, address, phone number, email-id and Team Name.

4.2.2 Team Member Login – Team Member must login with its username and password to register for any event

4.2.3 Team Registration – The Team Member must fill the team registration form and provide details of all the team members.

4.2.4 Team Cancellation – The Team Member can cancel the team registration within 48 hours.

### **4.3 Sponsors**

4.3.1 Sponsor Registration – Sponsor needs to register with username, password, address, phone number, email-id and organization name.

4.3.2 Sponsor Login – Sponsor must login with its username and password to sponsor any event.

4.3.3 Sponsor Event – The sponsor can select any event to sponsor and fill the sponsorship form. The sponsor must provide details like type of sponsorship, amount to invest.

4.3.4. Edit/Cancel Sponsorship - The sponsor can edit sponsorship details or cancel the sponsorship within 48 hours of creation.

### **4.4 Audience**

4.4.1 Audience Registration – The user can register with username, password, address, phone number and email-id or book tickets directly.



4.4.2 Audience Login – If registered, the user must login with its username and password to book tickets for any event.

4.4.3 Book Tickets – The user can select any event any buy its tickets online.

4.4.4 Make Payment – After finalizing the seats, the user makes payment depending on the seat no and seat location.

4.4.5 Ticket Cancellation – The user can cancel the ticket online up to 48 hours of the event.

#### 4.5 Manager

4.5.1 Manager Login – The manager must login to the application with its username and password to view the list of events.

4.5.2 Finalize Event Venue – The manager takes into consideration the venue preference provided by the host and based on the availability, finalizes the venue for the event.

4.5.3 Finalize Referee/Judges – The manager finalizes the referee/judge for the event based on type of sport and availability.

4.5.4 Approve event – After checking the availability of venue, referee/judges and other requirements of the event, the manager either approves or declines the event created by host.

4.5.5. Approve Sponsorships – The manager views the list of offered sponsorships for a particular event and approves them.

## 5. Business Metrics

Business Metrics that can be generated

1. Monthly Revenue generated from each sport by sale of tickets
2. Monthly Revenue generated from each sport through Sponsorships
3. Number of new Sponsors/Hosts/Audiences/Teams registered by month
4. Revenue Distribution by type of sport
5. Team performance based on number of games played vs won
6. Most popular Event by type of sport



## 7. Physical Schema - Data Dictionary

### 7.1 User\_Details

Column Name	Data Type	Allow Nulls	Additional Properties
<b>User_ID</b>	Varchar(10)	N	Auto Increment
First_Name	Varchar(20)	N	
Last_Name	Varchar(20)	N	
User_Type	Varchar(10)	N	Domain: ('Host', 'Player', 'Sponsor', 'Audience', 'Manager')
Username	Varchar(20)	N	
Password	Varchar(15)	N	
Address	Varchar(50)	Y	
Phone	Integer(10)	Y	
Email_ID	Varchar(20)	N	
Registration_Time	DateTime	N	

### 7.2 Event

Column Name	Data Type	Allow Nulls	Additional Properties
<b>Event_ID</b>	Varchar(10)	N	Auto Increment
Event_Name	Varchar(20)	N	
Budget	Decimal(10,2)	N	
Type_of_Sport	Varchar(15)	N	Domain: ('Soccer', 'Basketball', 'Badminton', 'Tennis', 'Water Polo', 'Football', 'Baseball')
Status	Varchar(10)	N	Domain: ('Approved', 'Pending', 'Cancelled') Default Value: Pending
Host_ID (FK)	Varchar(10)	N	
Manager_ID (FK)	Varchar(10)	Y	
Venue_ID (FK)	Varchar (10)	N	
Registration_Time	DateTime	N	
Event_Start_Time	DateTime	N	
Event_End_Time	DateTime	N	
Star_Player_ID	Uniqueidentifier	Y	
Winning_Team_ID	Varchar(10)	Y	
Total_Cost	Decimal(10,2)	Y	
Organization_Name	Varchar(20)	Y	

### 7.3 Teams

Column Name	Data Type	Allow Nulls	Additional Properties
<b>Team_ID</b>	int	N	Auto Increment
Team_Name	Varchar(20)	N	
Registration_Time	DateTime	N	

Registered_By_ID (FK)	Int	N	
-----------------------	-----	---	--

#### 7.4 Players

Column Name	Data Type	Allow Nulls	Additional Properties
<b>Player_ID</b>	int	N	Auto Increment
Team_ID (FK)	int	N	
Player_Name	Varchar(15)	N	

#### 7.5 Sponsorship

Column Name	Data Type	Allow Nulls	Additional Properties
<b>Sponsorship_ID</b>	Int	N	Auto Increment
Sponsor_ID (FK)	Int	N	
Event_ID (FK)	Int	N	
Type_of_Sponsorship	Varchar(15)	N	Domain: ('Monetary', 'Discount Coupons', 'Merchandise', 'Rewards')
Amount	Decimal(10,2)	N	
Status	Varchar(15)	N	Domain: ('Approved', 'Pending', 'Cancelled') Default Value: Pending
Organization_Name	Varchar(20)	Y	
Registration_Time	DateTime	N	

#### 7.6 Tickets\_Booked

Column Name	Data Type	Allow Nulls	Additional Properties
<b>Ticket_ID</b>	Varchar(10)	N	Auto Increment
Event_ID (FK)	Int	N	
User_ID (FK)	Varchar(15)	N	
Ticket_Type	Varchar(10)	N	Domain: ('A', 'B', 'C', 'D', 'E')
Price	Decimal(4,2)	N	
Payment_Status	Varchar(20)	N	Domain: ('Successful', 'Failed')
Booking_Time	DateTime	N	

#### 7.7 Ticket Pricing

Column Name	Data Type	Allow Nulls	Additional Properties
<b>Venue_ID (FK)</b>	Varchar(10)	N	
<b>Event_ID (FK)</b>	Varchar(10)	N	
Stand_Type	Varchar(10)	N	Domain: ('A', 'B', 'C', 'D', 'E')
Stand_Price	Decimal(4,2)	N	
Stand_Capacity	Integer	N	

### 7.8 Venue

<u>Column Name</u>	<u>Data Type</u>	<u>Allow Nulls</u>	<u>Additional Properties</u>
<b>Venue_ID</b>	Varchar(10)	N	Auto Increment
Venue_Name	Varchar(20)	N	
Venue_Address	Varchar(30)	Y	
Type_of_Sport	Varchar(15)	N	Domain: ('Soccer', 'Basketball', 'Badminton', 'Tennis', 'Water Polo', 'Football', 'Baseball')
Venue_Manager_Name	Varchar(20)	N	
Manager_Contact_No	Integer(10)	N	

### 7.9 Referee

<u>Column Name</u>	<u>Data Type</u>	<u>Allow Nulls</u>	<u>Additional Properties</u>
<b>Referee_ID</b>	Varchar(10)	N	Auto Increment
Referee_Name	Varchar(20)	N	
Type_of_Sport	Varchar(15)	N	Domain: ('Soccer', 'Basketball', 'Badminton', 'Tennis', 'Water Polo', 'Football', 'Baseball')
Email_ID	Varchar(20)	N	
Contact_No	Integer(10)	Y	

### 7.10 Event\_Referee

<u>Column Name</u>	<u>Data Type</u>	<u>Allow Nulls</u>	<u>Additional Properties</u>
<b>Referee_ID (FK)</b>	Varchar(10)	N	
<b>Event_ID (FK)</b>	Varchar(10)	N	
Status	Varchar(10)	Y	Domain: (")

### 7.11 Teams\_Playing

<u>Column Name</u>	<u>Data Type</u>	<u>Allow Nulls</u>	<u>Default Value</u>
<b>Team_ID (FK)</b>	Varchar(10)	N	
<b>Event_ID (FK)</b>	Varchar(10)	N	
Status	Varchar(10)	N	
No_of_Games_Played	Integer	N	0
No_of_Games_Won	Integer	N	0

## 8. SQL Queries

### 8.1 Script for Creating Tables

```
CREATE TABLE [dbo].[Event](
    [Event_ID] [int] IDENTITY(100,1) NOT NULL,
    [Event_Name] [varchar](20) NOT NULL,
    [Budget] [decimal](10, 2) NOT NULL,
    [Type_of_Sport] [varchar](15) NOT NULL,
    [Status] [varchar](10) NOT NULL CONSTRAINT [DF_Event_Status] DEFAULT ('Pending'),
    [Host_ID] [int] NOT NULL,
    [Manager_ID] [int] NULL,
    [Venue_ID] [int] NOT NULL,
    [Registration_Time] [datetime] NOT NULL,
    [Event_Start_Time] [datetime] NOT NULL,
    [Event_End_Time] [datetime] NOT NULL,
    [Star__Player_ID] [int] NULL,
    [Winning_Team_ID] [int] NULL,
    [Total_Cost] [decimal](10, 2) NULL,
    [Organization_Name] [varchar](20) NULL,
    CONSTRAINT [PK_Event] PRIMARY KEY CLUSTERED
(
    [Event_ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Event_Referee](
    [Referee_ID] [int] NOT NULL,
    [Event_ID] [int] NOT NULL,
    [Status] [varchar](10) NULL,
    CONSTRAINT [PK_Event_Referee] PRIMARY KEY CLUSTERED
(
    [Referee_ID] ASC,
    [Event_ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Players](
    [Player_ID] [int] IDENTITY(1,1) NOT NULL,
    [Team_ID] [int] NOT NULL,
    [Player_Name] [varchar](15) NOT NULL,
    CONSTRAINT [PK_Players] PRIMARY KEY CLUSTERED
(
    [Player_ID] ASC
)
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Referee](  
    [Referee_ID] [int] IDENTITY(1,1) NOT NULL,  
    [Referee_Name] [varchar](20) NOT NULL,  
    [Type_of_Sport] [varchar](15) NOT NULL,  
    [Email_ID] [varchar](20) NOT NULL,  
    [Contact_No] [decimal](10, 0) NULL,  
    CONSTRAINT [PK_Referee] PRIMARY KEY CLUSTERED  
(  
        [Referee_ID] ASC  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Sponsorship](  
    [Sponsorship_ID] [int] IDENTITY(10,1) NOT NULL,  
    [Sponsor_ID] [int] NOT NULL,  
    [Event_ID] [int] NOT NULL,  
    [Type_of_Sponsorship] [varchar](15) NOT NULL,  
    [Amount] [decimal](10, 2) NOT NULL,  
    [Status] [varchar](15) NOT NULL,  
    [Organization_Name] [varchar](20) NULL,  
    [Registration_Time] [datetime] NOT NULL,  
    CONSTRAINT [PK_Sponsorship] PRIMARY KEY CLUSTERED  
(  
        [Sponsorship_ID] ASC  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Teams](  
    [Team_ID] [int] IDENTITY(1,1) NOT NULL,  
    [Team_Name] [varchar](20) NOT NULL,  
    [Registration_Time] [datetime] NOT NULL,  
    [Registered_By_ID] [int] NOT NULL,  
    CONSTRAINT [PK_Teams] PRIMARY KEY CLUSTERED  
(  
        [Team_ID] ASC  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
    ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]
```



```
CREATE TABLE [dbo].[Teams_Playing](
    [Team_ID] [int] NOT NULL,
    [Event_ID] [int] NOT NULL,
    [Status] [varchar](10) NOT NULL,
    [No_of_Games_Played] [int] NOT NULL CONSTRAINT
[DF_Teams_Playing_No_of_Games_Played] DEFAULT ((0)),
    [No_of_Games_Won] [int] NOT NULL CONSTRAINT
[DF_Teams_Playing_No_of_Games_Won] DEFAULT ((0)),
    CONSTRAINT [PK_Teams_Playing] PRIMARY KEY CLUSTERED
(
    [Team_ID] ASC,
    [Event_ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Ticket_Pricing](
    [Venue_ID] [int] NOT NULL,
    [Event_ID] [int] NOT NULL,
    [Stand_Type] [varchar](10) NOT NULL,
    [Stand_Price] [decimal](6, 2) NULL,
    [Stand_Capacity] [int] NOT NULL,
    CONSTRAINT [PK_Ticket_Pricing] PRIMARY KEY CLUSTERED
(
    [Venue_ID] ASC,
    [Event_ID] ASC,
    [Stand_Type] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Tickets_Booked](
    [Ticket_ID] [int] NOT NULL,
    [Event_ID] [int] NOT NULL,
    [User_ID] [int] NOT NULL,
    [Ticket_Type] [varchar](10) NOT NULL,
    [Price] [decimal](4, 2) NOT NULL,
    [Payment_Status] [varchar](20) NOT NULL,
    [Booking_Time] [datetime] NOT NULL,
    CONSTRAINT [PK_Tickets_Booked] PRIMARY KEY CLUSTERED
(
    [Ticket_ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[User_Details](
    [User_ID] [int] IDENTITY(1,1) NOT NULL,
    [First_Name] [varchar](20) NOT NULL,
    [Last_Name] [varchar](20) NOT NULL,
    [User_Type] [varchar](10) NOT NULL CONSTRAINT [DF_User_Details_User_Type] DEFAULT
('SPONSOR','AUDIENCE','HOST','MANAGER'),
    [Username] [varchar](15) NOT NULL,
    [Password] [varchar](15) NOT NULL,
    [Address] [varchar](50) NULL,
    [Phone] [decimal](10, 0) NULL,
    [Email_ID] [varchar](20) NOT NULL,
    [Registration_Time] [datetime] NOT NULL,
    CONSTRAINT [PK_User_Details] PRIMARY KEY CLUSTERED
(
    [User_ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[Venue](
    [Venue_ID] [int] IDENTITY(1,1) NOT NULL,
    [Venue_Name] [varchar](20) NOT NULL,
    [Venue_Address] [varchar](50) NULL,
    [Type_of_Sport] [varchar](15) NOT NULL,
    [Venue_Manager_Name] [varchar](20) NOT NULL,
    [Manager_Contact_No] [decimal](10, 0) NOT NULL,
    CONSTRAINT [PK_Venue] PRIMARY KEY CLUSTERED
(
    [Venue_ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

## 8.2 Adding References and Constraints

```
GO
ALTER TABLE [dbo].[Event] WITH CHECK ADD CONSTRAINT [FK_Event_Event] FOREIGN
KEY([Event_ID])
REFERENCES [dbo].[Event] ([Event_ID])
GO
ALTER TABLE [dbo].[Event] CHECK CONSTRAINT [FK_Event_Event]
GO
```

```
ALTER TABLE [dbo].[Event] WITH CHECK ADD CONSTRAINT [FK_Event_Players] FOREIGN
KEY([Star__Player_ID])
REFERENCES [dbo].[Players] ([Player_ID])
GO
ALTER TABLE [dbo].[Event] CHECK CONSTRAINT [FK_Event_Players]
GO
ALTER TABLE [dbo].[Event] WITH CHECK ADD CONSTRAINT [FK_Event_Teams] FOREIGN
KEY([Winning_Team_ID])
REFERENCES [dbo].[Teams] ([Team_ID])
GO
ALTER TABLE [dbo].[Event] CHECK CONSTRAINT [FK_Event_Teams]
GO
ALTER TABLE [dbo].[Event] WITH CHECK ADD CONSTRAINT [FK_Event_User_Details] FOREIGN
KEY([Host_ID])
REFERENCES [dbo].[User_Details] ([User_ID])
GO
ALTER TABLE [dbo].[Event] CHECK CONSTRAINT [FK_Event_User_Details]
GO
ALTER TABLE [dbo].[Event] WITH CHECK ADD CONSTRAINT [FK_Event_User_Details1] FOREIGN
KEY([Manager_ID])
REFERENCES [dbo].[User_Details] ([User_ID])
GO
ALTER TABLE [dbo].[Event] CHECK CONSTRAINT [FK_Event_User_Details1]
GO
ALTER TABLE [dbo].[Event] WITH CHECK ADD CONSTRAINT [FK_Event_Venue] FOREIGN
KEY([Venue_ID])
REFERENCES [dbo].[Venue] ([Venue_ID])
GO
ALTER TABLE [dbo].[Event] CHECK CONSTRAINT [FK_Event_Venue]
GO
ALTER TABLE [dbo].[Event_Referee] WITH CHECK ADD CONSTRAINT [FK_Event_Referee_Event]
FOREIGN KEY([Event_ID])
REFERENCES [dbo].[Event] ([Event_ID])
GO
ALTER TABLE [dbo].[Event_Referee] CHECK CONSTRAINT [FK_Event_Referee_Event]
GO
ALTER TABLE [dbo].[Event_Referee] WITH CHECK ADD CONSTRAINT [FK_Event_Referee_Referee]
FOREIGN KEY([Referee_ID])
REFERENCES [dbo].[Referee] ([Referee_ID])
GO
ALTER TABLE [dbo].[Event_Referee] CHECK CONSTRAINT [FK_Event_Referee_Referee]
GO
ALTER TABLE [dbo].[Players] WITH CHECK ADD CONSTRAINT [FK_Players_Teams] FOREIGN
KEY([Team_ID])
REFERENCES [dbo].[Teams] ([Team_ID])
GO
ALTER TABLE [dbo].[Players] CHECK CONSTRAINT [FK_Players_Teams]
GO
ALTER TABLE [dbo].[Sponsorship] WITH CHECK ADD CONSTRAINT [FK_Sponsorship_Event] FOREIGN
KEY([Event_ID])
```

```
REFERENCES [dbo].[Event] ([Event_ID])
GO
ALTER TABLE [dbo].[Sponsorship] CHECK CONSTRAINT [FK_Sponsorship_Event]
GO
ALTER TABLE [dbo].[Sponsorship] WITH CHECK ADD CONSTRAINT [FK_Sponsorship_User_Details]
FOREIGN KEY([Sponsor_ID])
REFERENCES [dbo].[User_Details] ([User_ID])
GO
ALTER TABLE [dbo].[Sponsorship] CHECK CONSTRAINT [FK_Sponsorship_User_Details]
GO
ALTER TABLE [dbo].[Teams] WITH CHECK ADD CONSTRAINT [FK_Teams_User_Details] FOREIGN
KEY([Registered_By_ID])
REFERENCES [dbo].[User_Details] ([User_ID])
GO
ALTER TABLE [dbo].[Teams] CHECK CONSTRAINT [FK_Teams_User_Details]
GO
ALTER TABLE [dbo].[Teams_Playing] WITH CHECK ADD CONSTRAINT [FK_Teams_Playing_Event]
FOREIGN KEY([Event_ID])
REFERENCES [dbo].[Event] ([Event_ID])
GO
ALTER TABLE [dbo].[Teams_Playing] CHECK CONSTRAINT [FK_Teams_Playing_Event]
GO
ALTER TABLE [dbo].[Teams_Playing] WITH CHECK ADD CONSTRAINT [FK_Teams_Playing_Teams]
FOREIGN KEY([Team_ID])
REFERENCES [dbo].[Teams] ([Team_ID])
GO
ALTER TABLE [dbo].[Teams_Playing] CHECK CONSTRAINT [FK_Teams_Playing_Teams]
GO
ALTER TABLE [dbo].[Ticket_Pricing] WITH CHECK ADD CONSTRAINT [FK_Ticket_Pricing_Event]
FOREIGN KEY([Event_ID])
REFERENCES [dbo].[Event] ([Event_ID])
GO
ALTER TABLE [dbo].[Ticket_Pricing] CHECK CONSTRAINT [FK_Ticket_Pricing_Event]
GO
ALTER TABLE [dbo].[Ticket_Pricing] WITH CHECK ADD CONSTRAINT [FK_Ticket_Pricing_Venue]
FOREIGN KEY([Venue_ID])
REFERENCES [dbo].[Venue] ([Venue_ID])
GO
ALTER TABLE [dbo].[Ticket_Pricing] CHECK CONSTRAINT [FK_Ticket_Pricing_Venue]
GO
ALTER TABLE [dbo].[Tickets_Booked] WITH CHECK ADD CONSTRAINT [FK_Tickets_Booked_Event]
FOREIGN KEY([Event_ID])
REFERENCES [dbo].[Event] ([Event_ID])
GO
ALTER TABLE [dbo].[Tickets_Booked] CHECK CONSTRAINT [FK_Tickets_Booked_Event]
GO
ALTER TABLE [dbo].[Tickets_Booked] WITH CHECK ADD CONSTRAINT
[FK_Tickets_Booked_User_Details] FOREIGN KEY([User_ID])
REFERENCES [dbo].[User_Details] ([User_ID])
GO
```

```
ALTER TABLE [dbo].[Tickets_Booked] CHECK CONSTRAINT [FK_Tickets_Booked_User_Details]
GO
ALTER TABLE [dbo].[User_Details] WITH CHECK ADD CONSTRAINT [FK_User_Details_User_Details]
FOREIGN KEY([User_ID])
REFERENCES [dbo].[User_Details] ([User_ID])
GO
ALTER TABLE [dbo].[User_Details] CHECK CONSTRAINT [FK_User_Details_User_Details]
GO
```

### 8.3 Script for Populating Database

```
/*USER DETAILS*/
Insert into User_Details Values ('Neeraj', 'Bhagchandani', 'Player', 'neerajb', 'neerajb', '1050 Benton
Street, Santa Clara', 6694563021, 'neeraj4592@gmail.com', '2015-10-15 03:20:41')
Insert into User_Details Values ('Urvi', 'Munot', 'Player', 'urvi123', 'munot123', '1050 Benton Street,
Santa Clara', 4084563003, 'munot.urvi@gmail.com', '2015-09-15 15:27:41')
Insert into User_Details Values ('Sahil', 'Jain', 'Host', 'sahil', 'sajain', '1050 Benton Street, Santa Clara',
4085233027, 'sahiljain@gmail.com', '2015-10-13 12:20:41')
Insert into User_Details Values ('Shalaka', 'Dixit', 'Manager', 'shakal', 'shakal123', '1050 Benton
Street, Santa Clara', 6694563022, 'shalaka.25@gmail.com', '2015-08-15 09:20:41')
Insert into User_Details Values ('Micheal', 'Rojers', 'Player', 'mike', 'mike456', '1190 Benton Street,
Santa Clara', 6694561521, 'mrogers@gmail.com', '2015-08-15 08:26:38')
Insert into User_Details Values ('Mia', 'Miller', 'Host', 'miam', 'miam', '205 Jackson Street, Santa
Clara', 4084563401, 'miamiller@gmail.com', '2015-09-03 22:20:41')
Insert into User_Details Values ('Adriana', 'Gonzalves', 'Manager', 'adrianag', 'adrianag', '315 Jackson
Street, Santa Clara', 4084563748, 'agonzalves@gmail.com', '2015-07-23 15:20:41')
Insert into User_Details Values ('Alex', 'Fergusson', 'Player', 'alexf', 'alexf', '122 Monroe Street, Santa
Clara', 6694563044, 'afergusson@gmail.com', '2015-11-19 20:02:41')
Insert into User_Details Values ('Tejas', 'Patil', 'Sponsor', 'tejas', 'tejas', '150 Lafayette Street, Santa
Clara', 4084563741, 'tjpatil@gmail.com', '2015-10-18 01:20:41')
Insert into User_Details Values ('Ryan', 'Ronalds', 'Sponsor', 'ryanron', 'ryan123', '84 Jacksonville
Street, Santa Clara', 6694567580, 'ryan45@gmail.com', '2015-11-05 15:30:21')
Insert into User_Details Values ('Anthony', 'Fullerton', 'Host', 'anthony', 'anthony123', '1190 Benton
Street, Santa Clara', 6692573048, 'anthonyf@gmail.com', '2015-10-09 17:53:21')
Insert into User_Details Values ('Pooja', 'Gandhi', 'Audience', 'poojag', 'pooja123', '1050 Benton
Street', 6692314567, 'ppooja@gmail.com', '2015-11-30 14:00:56')
Insert into User_Details Values ('Shailee', 'Madhani', 'Audience', 'shailee', 'shailee', '1050 Benton
Street', 4087795566, 'shailee@yahoo.com', '2015-09-23 12:00:22')
Insert into User_Details Values ('Sam', 'Peters', 'Audience', 'samp', 'sam123', '56 Lafayette Street',
4087795678, 'samp@yahoo.com', '2015-09-12 13:55:50')
Insert into User_Details Values ('David', 'Beckham', 'Player', 'davidb', 'david', '114 Alison street',
6692314567, 'david@hotmail.com', '2015-10-11 11:55:18')
```

```
Insert into User_Details Values ('Samuel', 'Hansani', 'Player', 'samuel', 'samuel', '1188 Bakers Street
San Jose', 6692331122, 'samueal@yahoo.com', '2015-10-12 11:50:56')
Insert into User_Details Values ('Ashton', 'Kutcher', 'Player', 'Ash', 'Ashton', '567 Miller Street',
6691234567, 'ash@msn.com', '2015-10-12 10:55:44')
Insert into User_Details Values ('Ben', 'Fuller', 'Player', 'Ben', 'Ben124', '556 Moore Street',
4085671234, 'ben@yahoo.com', '2015-10-10 09:40:22')
Insert into User_Details Values ('Jannis', 'Miller', 'Player', 'jannis', 'jannis123', '45 Eller street',
6694561234, 'jannis@hotmail.com', '2015-10-11 10:56:44')
Insert into User_Details Values ('Rachel', 'Wong', 'Player', 'rachel', 'rachel', '1050 Monroe street',
4098637833, 'rachel@gmail.com', '2015-09-11 09:10:00')
Insert into User_Details Values ('Pheobe', 'Buffay', 'Player', 'Pheobe', 'pheobe', '123 Fullerton Street',
4085567890, 'pheobe@gmail.com', '2015-10-11 10:11:12')
Insert into User_Details Values ('Jessica', 'Simpson', 'Player', 'jessica', '1wesds', '1050 Benton Street',
4085679999, 'jessica@gmail.com', '2015-09-11 10:11:11')

/* Venue */
Insert into Venue Values ('Levis Stadium', '4900 Marie P Bartolo Way, Santa Clara', 'Soccer', 'Albert
Jose', 6694567892)
Insert into Venue Values ('Stevens Stadium', '4900 Marie P Bartolo Way, Santa Clara', 'Soccer',
'Albert Jose', 6694321892)
Insert into Venue Values ('SJSU Spartan Stadium', '1251 S 10th St, San Jose', 'Basketball', 'Albert
Jose', 6694567250)
Insert into Venue Values ('StephanScott Stadium', '443 El Camino Real, Santa Clara', 'Baseball', 'Jaden
Smith', 6694561384)
Insert into Venue Values ('Santa Clara Uni', '500 El Camino Real, Santa Clara', 'Water Polo', 'Anthiny
Hopkins', 6694560540)
Insert into Venue Values ('Santa Clara Uni', '500 El Camino Real, Santa Clara', 'Tennis', 'Julia Roberts',
6694569821)
Insert into Venue Values ('Santa Clara Uni', '500 El Camino Real, Santa Clara', 'Tennis', 'Jessica
Simpson', 6694563322)
Insert into Venue Values ('Santa Clara Uni', '500 El Camino Real, Santa Clara', 'Tennis', 'Paul Walker',
6694564017)
Insert into Venue Values ('Santa Clara Uni', '500 El Camino Real, Santa Clara', 'Badminton', 'Harry
Scholes', 6694566826)
Insert into Venue Values ('Santa Clara Uni', '500 El Camino Real, Santa Clara', 'Badminton', 'Ron
Dudley', 6694563021)

/* Teams*/
Insert into Teams Values ('Los Angeles Sparks', '2015-10-15 12:10:55', 1)
Insert into Teams Values ('San Jose Spiders', '2015-09-22 15:25:21', 2)
Insert into Teams Values ('Bakersfield Blaze', '2015-10-12 14:20:56', 5)
Insert into Teams Values ('San Rafeal Pacifics', '2015-10-23 22:14:56', 9)
Insert into Teams Values ('Stockton Ports', '2015-11-01 00:00:00', 15)
```

```
Insert into Teams Values ('Rancho Quakes','2015-11-02 12:44:22',16)
Insert into Teams Values ('Visalia Rawhide','2015-11-10 14:23:55',17)
Insert into Teams Values ('Chico Outlaws','2015-11-18 13:55:55',18)
Insert into Teams Values ('Daredevils','2015-11-20 14:18:55',19)
Insert into Teams Values ('Super girls','2015-11-01 00:23:12',20)
Insert into Teams Values ('Viva','2015-10-18 12:12:12',21)
Insert into Teams Values ('Ameera','2015-12-11 17:11:12',22)
Insert into Teams Values ('SJ Spiders','2015-10-03 15:25:21',2)
```

*/\*Players\*/*

```
Insert into Players Values (1,'Wayne Rooney')
Insert into Players Values (1,'Ronaldo')
Insert into Players Values (1,'Rohit')
Insert into Players Values (1,'Neeraj')
Insert into Players Values (1,'David')
Insert into Players Values (2,'Mia')
Insert into Players Values (2,'Aashna')
Insert into Players Values (2,'Urvi')
Insert into Players Values (2,'Miranda')
Insert into Players Values (2,'Megan')
Insert into Players Values (3,'David')
Insert into Players Values (3,'Tevez')
Insert into Players Values (3,'Micheal')
Insert into Players Values (3,'Sunny')
Insert into Players Values (3,'Orlando')
Insert into Players Values (4,'Alex')
Insert into Players Values (4,'Adam')
Insert into Players Values (4,'Hugh')
Insert into Players Values (4,'Salman')
Insert into Players Values (4,'Rojer')
Insert into Players Values (5,'David')
Insert into Players Values (5,'Aniket')
Insert into Players Values (5,'Thomas')
Insert into Players Values (5,'Gilbert')
Insert into Players Values (5,'Ramesh')
Insert into Players Values (6,'Ashton')
Insert into Players Values (6,'Nilay')
Insert into Players Values (6,'Tilak')
Insert into Players Values (6,'Kuldeep')
Insert into Players Values (6,'Manoj')
Insert into Players Values (7,'Vikas')
Insert into Players Values (7,'Samuel')
```

```
Insert into Players Values (7,'Imran')
Insert into Players Values (7,'Stark')
Insert into Players Values (7,'Richard')
Insert into Players Values (8,'Raymond')
Insert into Players Values (8,'Ben')
Insert into Players Values (8,'Joshua')
Insert into Players Values (8,'Ross')
Insert into Players Values (8,'Joey')
Insert into Players Values (8,'Jannis')
Insert into Players Values (8,'Salma')
Insert into Players Values (9,'Rachel')
Insert into Players Values (9,'Kim')
Insert into Players Values (10,'Pheobe')
Insert into Players Values (10,'Mila')
Insert into Players Values (11,'Jessica')
Insert into Players Values (11,'Lola')
Insert into Players Values (13,'Martin')
```

```
/* EVENT */
```

```
Insert into Event Values ('Super Soccer', 3000, 'Soccer', 'Approved', 3, 4, 1, '2015-10-10 22:20:34',
'2015-12-05 10:00:00', '2015-12-07 21:00:00', NULL, NULL, NULL, 'Musigma')
Insert into Event Values ('Slam Dunk', 3500, 'Basketball', 'Approved', 6, 7, 3, '2015-10-03 15:22:03',
'2015-11-25 16:00:00', '2015-11-27 21:00:00', NULL, NULL, 3200, NULL)
Insert into Event Values ('Double Trouble', 2000, 'Tennis', 'Approved', 11, 7, 9, '2015-11-01 16:55:44',
'2015-12-10 10:00:00', '2015-12-11 16:00:00', NULL, NULL, NULL, 'Paypal')
Insert into Event Values ('Shuttle Hit', 1500, 'Badminton', 'Approved', 3, 4, 10, '2015-10-01 17:55:55',
'2015-10-05 11:00:00', '2015-10-07 12:00:00', NULL, NULL, 1200, 'Musigma')
```

```
/* Sponsorship */
```

```
Insert into Sponsorship Values (9, 100, 'Monetary', 500, 'Approved', 'Wilson', '2015-10-28 21:56:06')
Insert into Sponsorship Values (9, 100, 'Discount Coupon', 200, 'Approved', 'All star Academy', '2015-
10-30 15:34:18')
Insert into Sponsorship Values (10, 101, 'Monetary', 200, 'Pending', 'Pending', '2015-11-02 11:15:13')
Insert into Sponsorship Values (9, 101, 'Discount Coupon', 100, 'Approved', 'Safeway', '2015-11-12
13:13:10')
Insert into Sponsorship Values (10, 100, 'Monetary', 350, 'Declined', 'HerbaLife', '2015-11-15
21:56:06')
Insert into Sponsorship Values (10, 101, 'Merchandize', 200, 'Pending', 'Nike', '2015-10-30 12:30:12')
Insert into Sponsorship Values (9, 102, 'Monetary', 225, 'Approved', 'Coca- Cola', '2015-10-22
22:55:06')
Insert into Sponsorship Values (10, 102, 'Merchandize', 300, 'Pending', 'Puma', '2015-10-28
14:05:11')
```



```
/*Ticket_Pricing*/
```

```
insert into Ticket_Pricing values(1,100,'A',400,5500)
insert into Ticket_Pricing values(1,100,'B',350,6500)
insert into Ticket_Pricing values(1,100,'C',300,9000)
insert into Ticket_Pricing values(1,100,'D',250,10000)
insert into Ticket_Pricing values(1,100,'E',200,12000)
insert into Ticket_Pricing values(9,102,'A',80,100)
insert into Ticket_Pricing values(9,102,'B',50,200)
insert into Ticket_Pricing values(3,101,'A',50,500)
insert into Ticket_Pricing values(3,101,'B',25,1000)
insert into Ticket_Pricing values(10,103,'A',60,75)
insert into Ticket_Pricing values(10,103,'B',40,100)
```

```
/* Referee */
```

```
Insert into Referee Values ('John Smith', 'Soccer', 'johnsmith@gmail.com', 4089992222)
Insert into Referee Values ('Sam Manuel', 'Soccer', 'sammanuel@gmail.com', 4086684433)
Insert into Referee Values ('Justin Long', 'Water Polo', 'justinlong@gmail.com', 4086691234)
Insert into Referee Values ('Albert Hoshing', 'Basketball', 'alberth@gmail.com', 4086679833)
Insert into Referee Values ('Miranda Peer', 'Basketball', 'mpeer@gmail.com', 4084456789)
Insert into Referee Values ('Peter William', 'Water Polo', 'pwilliam@gmail.com', 3627892345)
Insert into Referee Values ('Addison Abbey', 'Baseball', 'addabbey@gmail.com', 4082319513)
Insert into Referee Values ('Greg Chappel', 'Baseball', 'gchappel@gmail.com', 4094567788)
Insert into Referee Values ('James Brandon', 'Tennis', 'jbrandon@gmail.com', 4087894523)
Insert into Referee Values ('Chandler Bing', 'Badminton', 'cbing@gmail.com', 4085567812)
Insert into Referee Values ('Monica Geller', 'Tennis', 'mgeller@gmail.com', 4082116789)
```

```
/* Tickets Booked*/
```

```
Insert into Tickets_Booked Values (1, 100, 13, 'A', 50, 'Paid', '2015-11-12 10:55:16')
Insert into Tickets_Booked Values (2, 100, 12, 'B', 20, 'Pending', '2015-11-13 12:25:02')
Insert into Tickets_Booked Values (3, 100, 12, 'B', 20, 'Pending', '2015-11-13 12:25:02')
Insert into Tickets_Booked Values (4, 100, 13, 'A', 50, 'Paid', '2015-11-12 10:55:16')
Insert into Tickets_Booked Values (5, 100, 13, 'A', 50, 'Paid', '2015-11-12 10:55:16')
Insert into Tickets_Booked Values (6, 100, 14, 'B', 20, 'Pending', '2015-11-13 12:25:02')
Insert into Tickets_Booked Values (7, 100, 14, 'B', 20, 'Pending', '2015-11-13 12:25:02')
Insert into Tickets_Booked Values (8, 100, 14, 'B', 20, 'Pending', '2015-11-13 12:25:02')
Insert into Tickets_Booked Values (9, 100, 12, 'B', 20, 'Pending', '2015-11-13 12:25:02')
Insert into Tickets_Booked Values (10, 101, 13, 'A', 20, 'Paid', '2015-11-05 12:25:02')
Insert into Tickets_Booked Values (11, 101, 13, 'A', 20, 'Paid', '2015-11-05 12:25:02')
Insert into Tickets_Booked Values (12, 101, 13, 'A', 20, 'Paid', '2015-11-05 12:25:02')
```

```
Insert into Tickets_Booked Values (13, 103, 13, 'A', 20, 'Paid', '2015-10-03 12:25:02')
Insert into Tickets_Booked Values (14, 103, 12, 'A', 20, 'Paid', '2015-10-03 12:26:02')
Insert into Tickets_Booked Values (15, 103, 14, 'B', 20, 'Paid', '2015-10-03 12:28:02')
```

```
/* Teams_Playing */
```

```
Insert into Teams_Playing Values (1, 100, 'Playing', 4, 2)
Insert into Teams_Playing Values (2, 100, 'Cancelled', 0, 0)
Insert into Teams_Playing Values (3, 100, 'Playing', 4, 3)
Insert into Teams_Playing Values (4, 100, 'Playing', 2, 0)
Insert into Teams_Playing Values (5, 101, 'Playing', 3, 0)
Insert into Teams_Playing Values (6, 101, 'Playing', 3, 3)
Insert into Teams_Playing Values (7, 101, 'Playing', 3, 2)
Insert into Teams_Playing Values (8, 101, 'Playing', 3, 1)
Insert into Teams_Playing Values (9, 102, 'Playing', 2, 0)
Insert into Teams_Playing Values (10, 102, 'Playing', 2, 1)
Insert into Teams_Playing Values (11, 102, 'Playing', 2, 2)
Insert into Teams_Playing Values (12, 102, 'Playing', 2, 0)
Insert into Teams_Playing Values (13, 103, 'Playing', 9, 7)
```

```
/* Event_Referee */
```

```
Insert into Event_Referee Values ( 1, 100, 'Approved')
Insert into Event_Referee Values ( 9, 102, 'Approved')
Insert into Event_Referee Values ( 4, 101, 'Approved')
Insert into Event_Referee Values ( 10, 103, 'Approved')
```

```
update Event SET Star__Player_ID=27,Winning_Team_ID=6 Where Event_ID=101
update Event SET Star__Player_ID=49,Winning_Team_ID=13 Where Event_ID=103
```

## 8.4 SQL Queries for Users

### USER LOGIN:

```
select USER_ID from User_Details where Username='neerajb' and Password='neerajb';
```

Results		Messages	
USER_ID			
1	1		

## EDIT/CANCEL EVENT:

**SELECT** Event\_Name, Status **FROM** Event **WHERE** Type\_of\_Sport = 'Water Polo'

Results		Messages
	Event_Name	Status
1	Water Polo	Pending

## UPDATE EVENT

**SET** Status = 'Cancelled'

**where** Event\_ID = 104

Messages
(1 row(s) affected)

**Select** Status **from** Event **where** Event\_ID = 104

Results		Messages
	Status	
1	Cancelled	

## TEAM CANCELLATION

**SELECT** \* **FROM** Teams\_Playing **WHERE** Event\_ID = 103

Results Messages

	Team_ID	Event_ID	Status	No_of_Games_Played	No_of_Games_Won
1	6	103	Playing	1	0
2	13	103	Playing	9	7

**UPDATE** Teams\_Playing

**SET** Status = 'Cancelled'

**Where** Event\_ID=103 and Team\_ID = 6

Messages
(1 row(s) affected)

Select \* from Teams\_Playing where Event\_ID = 103 and Team\_ID = 6

	Team_ID	Event_ID	Status	No_of_Games_Played	No_of_Games_Won
1	6	103	Cancelled	1	0

### EDIT/CANCEL SPONSORSHIP

Select \* from Sponsorship where Event\_ID = 103 and status = 'Pending'

	Sponsorship_ID	Sponsor_ID	Event_ID	Type_of_Sponsorship	Amount	Status	Organization_Name	Registration_Time
1	18	10	103	Merchandize	300.00	Pending	Hollister	2015-11-30 18:08:21.000

Update Sponsorship

set Status = 'Cancelled'

where Event\_ID = 103 and Sponsorship\_ID = 18

Messages
----------

(1 row(s) affected)

Select \* from Sponsorship where Event\_ID = 103 and Sponsorship\_ID = 18

	Sponsorship_ID	Sponsor_ID	Event_ID	Type_of_Sponsorship	Amount	Status	Organization_Name	Registration_Time
1	18	10	103	Merchandize	300.00	Cancelled	Hollister	2015-11-30 18:08:21.000

### EDIT/CANCEL TICKETS

SELECT \* FROM Tickets\_Booked WHERE Ticket\_ID = 16

	Ticket_ID	Event_ID	User_ID	Ticket_Type	Price	Payment_Status	Booking_Time
1	16	100	13	C	30.00	Paid	2015-11-13 12:30:00.000

Update Tickets\_Booked set Payment\_Status = 'Refund' where Ticket\_ID = 16

Messages
----------

(1 row(s) affected)

**SELECT \* FROM Tickets\_Booked WHERE Ticket\_ID = 16**

	Ticket_ID	Event_ID	User_ID	Ticket_Type	Price	Payment_Status	Booking_Time
1	16	100	13	C	30.00	Refund	2015-11-13 12:30:00.000

### APPROVE EVENT

**update Event set Status = 'Approved' where Event\_ID = 105**

**select \* from Event where Event\_ID = 105**

	Event_ID	Event_Name	Budget	Type_of_Sport	Status	Host_ID	Manager_ID	Venue_ID	Registration_Time	Event_Start_Time
1	105	Shuttle Hit	1500.00	Badminton	Approved	3	4	10	2015-10-01 17:55:55.000	2015-10-05 11:00:00.000

### APPROVE SPONSORSHIP

**update Sponsorship set Status = 'Approved' where Sponsorship\_ID = 17**

**select \* from Sponsorship where Sponsorship\_ID = 17**

	Sponsorship_ID	Sponsor_ID	Event_ID	Type_of_Sponsorship	Amount	Status	Organization_Name	Registration_Time
1	17	10	102	Merchandise	300.00	Pending	Puma	2015-10-28 14:05:11.000

## 1. Details of hosts registered.

**SELECT \* FROM User\_Details WHERE User\_Type = 'Host'**

	User_ID	First_N...	Last_Na...	User_T...	Username	Password	Address	Phone	Email_ID	Registration_Time
1	3	Sahil	Jain	Host	sahil	sajain	1050 Benton S...	4085233027	sahiljain@gmail.com	2015-10-13 12:20:41.000
2	6	Mia	Miller	Host	miam	miam	205 Jackson S...	4084563401	miamiller@gmail.com	2015-09-03 22:20:41.000
3	11	Anthony	Fullerton	Host	anthony	anthon...	1190 Benton S...	6692573048	anthonyf@gmail.com	2015-10-09 17:53:21.000

## 2. Details of events created.

**SELECT \* FROM Event**

	Event_ID	Event_Name	Budget	Type_of_Sport	Status	Host_ID	Manager_ID	Venue_ID	Registration_Time
1	100	Super Soccer	3000.00	Soccer	Approved	3	4	1	2015-10-10 22:20:34.000
2	101	Slam Dunk	3500.00	Basketball	Approved	6	7	3	2015-10-03 15:22:03.000
3	102	Double Trouble	2000.00	Tennis	Approved	11	7	9	2015-11-01 16:55:44.000
4	103	Shuttle Hit	1500.00	Badminton	Approved	3	4	10	2015-10-01 17:55:55.000

Event_Start_Time	Event_End_Time	Star__Player_ID	Winning_Team_ID	Total_Cost	Organization_Name
2015-12-05 10:00:00.000	2015-12-07 21:00:00.000	NULL	NULL	NULL	Musigma
2015-11-25 16:00:00.000	2015-11-27 21:00:00.000	27	6	3200.00	NULL
2015-12-10 10:00:00.000	2015-12-11 16:00:00.000	NULL	NULL	NULL	Paypal
2015-10-05 11:00:00.000	2015-10-07 12:00:00.000	49	13	1200.00	Musigma

### 3. Hosts who have created events

```
SELECT DISTINCT U.First_Name AS 'HOST NAME' FROM User_Details U, Event E
WHERE U.User_ID = E.Host_ID
```

Results	
	HOST NAME
1	Anthony
2	Mia
3	Sahil

### 4. Details of users who registered for teams

```
SELECT * FROM User_Details WHERE User_Type = 'Player'
```

Results		Messages								
	User...	First_Na...	Last_Name	User_Type	Username	Password	Address	Phone	Email_ID	Registration_Time
1	1	Neeraj	Bhagchan...	Player	neerajb	neerajb	1050 Benton ...	6694563021	neeraj4592@gmail.com	2015-10-15 03:20:41.000
2	2	Urvi	Munot	Player	urvi123	munot123	1050 Benton ...	4084563003	munot.urvi@gmail.com	2015-09-15 15:27:41.000
3	5	Micheal	Rojers	Player	mike	mike456	1190 Benton ...	6694561521	mrogers@gmail.com	2015-08-15 08:26:38.000
4	8	Alex	Fergusson	Player	alex	alex	122 Monroe S...	6694563044	afergusson@gmail.com	2015-11-19 20:02:41.000
5	15	David	Beckham	Player	davidb	david	114 Alison str...	6692314567	david@hotmail.com	2015-10-11 11:55:18.000
6	16	Samuel	Hansani	Player	samuel	samuel	1188 Bakers ...	6692331122	samueal@yahoo.com	2015-10-12 11:50:56.000
7	17	Ashton	Kutcher	Player	Ash	Ashton	567 Miller Street	6691234567	ash@msn.com	2015-10-12 10:55:44.000
8	18	Ben	Fuller	Player	Ben	Ben124	556 Moore Str...	4085671234	ben@yahoo.com	2015-10-10 09:40:22.000
9	19	Jannis	Miller	Player	jannis	jannis123	45 Eller street	6694561234	jannis@hotmail.com	2015-10-11 10:56:44.000
10	20	Rachel	Wong	Player	rachel	rachel	1050 Monroe ...	4098637833	rachel@gmail.com	2015-09-11 09:10:00.000
11	21	Pheobe	Buffay	Player	Pheobe	pheobe	123 Fullerton ...	4085567890	pheobe@gmail.com	2015-10-11 10:11:12.000
12	22	Jessica	Simpson	Player	jessica	1wesds	1050 Benton ...	4085679999	jessica@gmail.com	2015-09-11 10:11:11.000

5. Names of teams registered

```
SELECT Team_Name FROM Teams
```

	Team_Name
1	Los Angeles Sparks
2	San Jose Spiders
3	Bakersfield Blaze
4	San Rafeal Pacifics
5	Stockton Ports
6	Rancho Quakes
7	Visalia Rawhide
8	Chico Outlaws
9	Daredevils
10	Super girls
11	Viva
12	Ameera
13	SJ Spiders

6. Names of teams who played the event

```
SELECT T.Team_Name FROM Teams T, Teams_Playing P  
WHERE T.Team_ID = P.Team_ID  
AND Status = 'Playing'
```

	Team_Name
1	Los Angeles Sparks
2	Bakersfield Blaze
3	San Rafeal Pacifics
4	Stockton Ports
5	Rancho Quakes
6	Visalia Rawhide
7	Chico Outlaws
8	Daredevils
9	Super girls
10	Viva
11	Ameera
12	SJ Spiders

### 7. Names of teams who cancelled registration

```
SELECT T.Team_Name FROM Teams T, Teams_Playing P
WHERE T.Team_ID = P.Team_ID
AND Status = 'Cancelled'
```

	Team_Name
1	San Jose Spiders

### 8. Details of sponsors registered

```
SELECT * FROM User_Details WHERE User_Type = 'Sponsor'
```

	User_ID	First_Name	Last_Name	User_Type	Username	Password	Address	Phone	Email_ID	Registration_Time
1	9	Tejas	Patil	Sponsor	tejas	tejas	150 Lafayette...	4084563741	tipatil@gmail.com	2015-10-18 01:20:41.000
2	10	Ryan	Ronalds	Sponsor	ryanron	ryan123	84 Jacksonvil...	6694567580	ryan45@gmail.com	2015-11-05 15:30:21.000

### 9. Names of sponsors who offered sponsorship

```
SELECT DISTINCT U.First_Name AS 'SPONSOR NAME' FROM User_Details U, Sponsorship S
WHERE U.User_ID = S.Sponsor_ID
```

	SPONSOR NAME
1	Ryan
2	Tejas

### 10. Details of sponsorships declined

```
SELECT * FROM SPONSORSHIP WHERE STATUS = 'DECLINED'
```

	Sponsorship_ID	Sponsor_ID	Event_ID	Type_of_Sponsorship	Amount	Status	Organization_Name	Registration_Time
1	14	10	100	Monetary	350.00	Declined	HerbaLife	2015-11-15 21:56:06.000

### 11. Names of Sponsors whose sponsorship has been declined

```
SELECT DISTINCT U.First_Name AS 'HOST NAME', E.Event_Name
FROM Sponsorship S, User_Details U, Event E
WHERE S.Sponsor_ID = U.User_ID
AND E.Event_ID = S.Event_ID
AND S.Status = 'Declined'
```

	HOST NAME	Event_Name
1	Ryan	Super Soccer



## 12. Details of users who have registered as audience

```
SELECT * FROM User_Details WHERE User_Type = 'Audience'
```

	User_ID	First_Name	Last_Name	User_Type	Username	Password	Address	Phone	Email_ID	Registration_Time
1	12	Pooja	Gandhi	Audience	poojag	pooja123	1050 Bento...	6692314567	ppooja@gmail.com	2015-11-30 14:00:56.000
2	13	Shailee	Madhani	Audience	shailee	shailee	1050 Bento...	4087795566	shailee@yahoo.com	2015-09-23 12:00:22.000
3	14	Sam	Peters	Audience	samp	sam123	56 Lafayett...	4087795678	samp@yahoo.com	2015-09-12 13:55:50.000

## 13. Names of users who have booked tickets and the event for which they have booked the ticket.

```
SELECT DISTINCT U.First_Name as 'Name', E.Event_Name
FROM User_Details U, Event E, Tickets_Booked T
WHERE U.User_ID = T.User_ID
AND E.Event_ID = T.Event_ID
AND T.Payment_Status = 'Paid'
```

	Name	Event_Name
1	Pooja	Shuttle Hit
2	Sam	Shuttle Hit
3	Shailee	Shuttle Hit
4	Shailee	Slam Dunk
5	Shailee	Super Soccer

## 14. Names of users who have cancelled ticket booking

```
SELECT DISTINCT U.First_Name as 'Name', E.Event_Name
FROM User_Details U, Event E, Tickets_Booked T
WHERE U.User_ID = T.User_ID
AND E.Event_ID = T.Event_ID
AND T.Payment_Status = 'Refund'
```

## 15. Details of manager

```
SELECT * FROM User_Details WHERE User_Type = 'Manager'
```

	User_ID	First_Name	Last_Name	User_Type	Username	Password	Address	Phone	Email_ID	Registration_Time
1	4	Shalaka	Dixit	Manager	shakal	shakal123	1050 Bento...	6694563022	shalaka.25@gm...	2015-08-15 09:20:41.000
2	7	Adriana	Gonzalves	Manager	adrianag	adrianag	315 Jackso...	4084563748	agonzalves@g...	2015-07-23 15:20:41.000

#### 16. Names of events managed by each manager

```
SELECT DISTINCT U.First_Name, E.Event_Name FROM User_Details U, Event E
WHERE U.User_ID = E.Manager_ID
```

	First_Name	Event_Name
1	Adriana	Double Trouble
2	Adriana	Slam Dunk
3	Shalaka	Shuttle Hit
4	Shalaka	Super Soccer

#### 17. Venues where events have been held

```
SELECT E.Event_Name, V.Venue_Name, V.Venue_Address FROM Event E, Venue V
WHERE E.Venue_ID = V.Venue_ID
```

	Event_Name	Venue_Name	Venue_Address
1	Super Soccer	Levis Stadium	4900 Marie P Bartolo Way, Santa Clara
2	Slam Dunk	SJSU Spartan Stadium	1251 S 10th St, San Jose
3	Double Trouble	Santa Clara Uni	500 El Camino Real, Santa Clara
4	Shuttle Hit	Santa Clara Uni	500 El Camino Real, Santa Clara

#### 18. Names of Referees for each event

```
SELECT E.Event_Name, R.Referee_Name FROM Event E, Event_Referee ER, Referee R
WHERE ER.Referee_ID = R.Referee_ID
AND E.Event_ID = ER.Event_ID
```

	Event_Name	Referee_Name
1	Super Soccer	John Smith
2	Slam Dunk	Albert Hoshing
3	Double Trouble	James Brandon
4	Shuttle Hit	Chandler Bing

## 9. Queries for Business Metrics

1. Monthly Revenue generated from each sport by sale of tickets

```
select datename(mm,e.Event_Start_Time) as 'Month', e.Type_of_Sport, sum(tb.Price) as 'Total Price'
from Event e, Tickets_Booked tb where tb.Event_ID = e.Event_ID
group by e.Type_of_Sport, datename(mm,e.Event_Start_Time)
```

	Month	Type_of_Sport	Total Pri...
1	December	Soccer	270.00
2	December	Tennis	100.00
3	November	Basketball	60.00
4	October	Badminton	60.00

2. Number of new Sponsors registered by month

```
select DATENAME(mm, Registration_Time) as 'Month', count(*) as '# of Sponsors'
from User_Details Where User_Type = 'Sponsor'
group by DATENAME(mm, Registration_Time), User_Type
order by DATENAME(mm, Registration_Time)
```

	Month	# of Sponsors
1	November	1
2	October	1

3. Number of new Hosts Registered by month

```
select DATENAME(mm, Registration_Time) as 'Month', count(*) as '# of Hosts'
from User_Details Where User_Type = 'Host'
group by DATENAME(mm, Registration_Time), User_Type
order by DATENAME(mm, Registration_Time)
```

	Month	# of Hosts
1	October	2
2	September	1

#### 4. Number of new Audiences Registered by month

```
select DATENAME(mm, Registration_Time) as 'Month', count(*) as '# of Audiences'
from User_Details Where User_Type = 'Audience'
group by DATENAME(mm, Registration_Time), User_Type
order by DATENAME(mm, Registration_Time)
```

	Month	# of Audiences
1	November	1
2	September	2

#### 5. Team performance based on number of games played vs won

```
select t.Team_Name, tp.No_of_Games_Played, tp.No_of_Games_Won
from Teams t, Teams_Playing tp
where t.Team_ID = tp.Team_ID and tp.Status <> 'Cancelled'
```

	Team_Name	No_of_Games_Played	No_of_Games_Won
1	Los Angeles Sparks	4	2
2	Bakersfield Blaze	4	3
3	San Rafeal Pacifics	2	0
4	Stockton Ports	3	0
5	Rancho Quakes	3	3
6	Visalia Rawhide	3	2
7	Chico Outlaws	3	1
8	Daredevils	2	0
9	Super girls	2	1
10	Viva	2	2
11	Ameera	2	0
12	SJ Spiders	9	7

#### 6. Number of new Teams Registered by month

```
select DATENAME(mm, Registration_Time) as 'Month', count(*) as '# Teams'
from Teams
group by DATENAME(mm, Registration_Time)
order by DATENAME(mm, Registration_Time)
```

	Month	# Teams
1	December	1
2	November	6
3	October	5
4	September	1

#### 7. Monthly Revenue generated from each sport through Sponsorships

```
select datename(mm,S.Registration_Time) as 'Month', E.Type_of_Sport, Sum(S.Amount) as 'Total Amount'
From Sponsorship S, Event E Where S.Type_of_Sponsorship='Monetary' and S.Event_ID=E.Event_ID
Group by E.Type_of_Sport, datename(mm,S.Registration_Time)
```

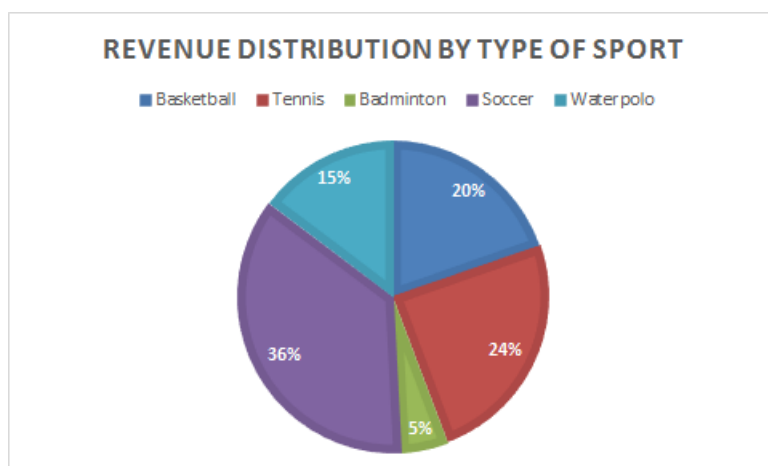
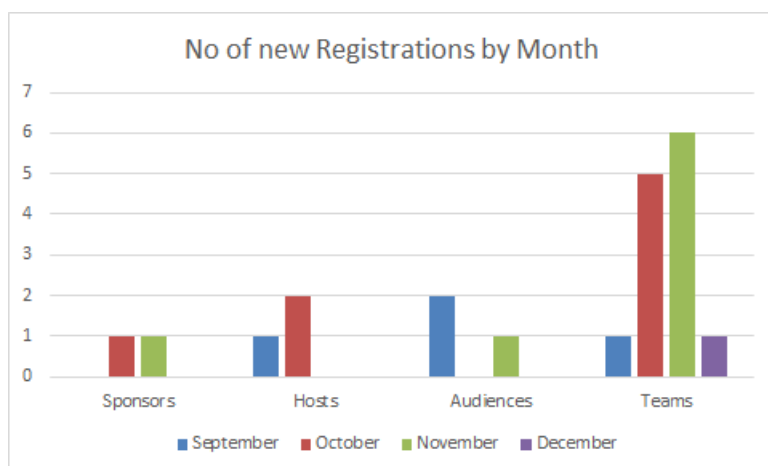
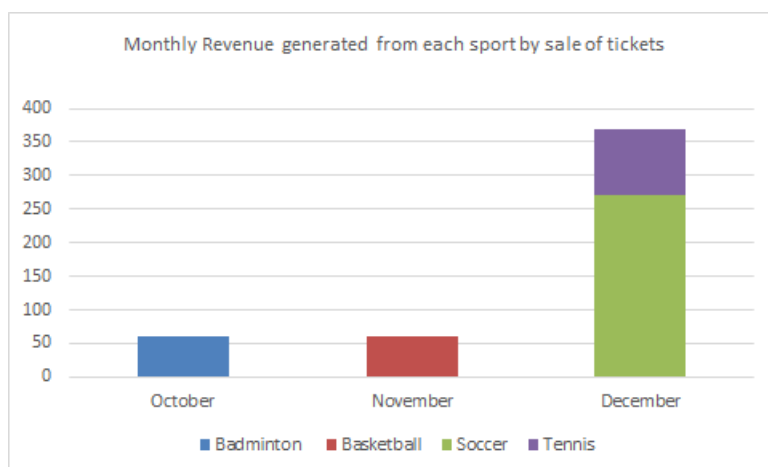
	Month	Type_of_Sport	Total Amount
1	November	Basketball	200.00
2	November	Soccer	350.00
3	October	Soccer	500.00
4	October	Tennis	225.00

#### 8. Most Popular Event by Type of Sport

```
Select T.Event_ID,COUNT(T.Ticket_ID) as 'Tickets Booked',E.Type_of_Sport from Tickets_Booked
T,Event E
Where T.Event_ID=E.Event_ID
Group by T.Event_ID, E.Type_of_Sport
Order by COUNT(T.Ticket_ID) DESC
```

Results		Messages	
	Event_ID	Tickets Booked	Type_of_Sport
1	100	9	Soccer
2	102	5	Tennis
3	103	3	Badminton
4	101	3	Basketball

## 10. Business Metric Reports



## 11. Project Summary

What did you learn from this Project?

The class project allowed us to gain hands-on experience on the Microsoft SQL Server 2014 database system, mapping of real life entities and relationships to the tables and columns of the database. How a team should work in complete coordination for the timely completion of the project and learnt the real life application of the course material.

What problems we encountered during the project, Steps taken to solve these problems?

Creating the UML diagram was the most challenging and critical task of the project. We had to do several revisions of the UML diagram before getting it right. Other issue we faced was keeping our tables and data in our database synchronous amongst our team members. We had to run scripts again and again in order to overcome this problem. A lot of research was required to gather the test data due to which our project timeline was lagging, which required extra effort in order to get the project back on track.

What would we have differently?

If we were to do this project again we would have planned more ahead in time and got the UML diagram done earlier, also we would have laid more stress on the UML so that we don't have to make changes in the UML while making the schema. We would have tried to implement more complex logic into the database like triggers etc., where needed. We would have focused more on fixing the appropriate scope of the project earlier on and tried to implement a network shared database shared amongst our team members in order to be able to work together synchronously and efficiently without any hassles.