

MA COUNTRY CLUB DATABASE MANAGEMNT SYSTEM



**CSE 2004 DATABASE MANAGEMENT SYSTEM
PROJECT REPORT**

SUBMITTED BY-

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GITHUB REPOSITORY LINK OF THE PROJECT

<https://github.com/ayushdhiran101/DBMS-Project/blob/master/Project.zip>

COUNTRY CLUB MANAGEMENT SYSTEM

INTRODUCTION

- Club Management system is a process of managing a country club. Currently, the process of managing the sports club is file based and manual. These obsolete management systems slow down functionality of the club. For example, a new member wants to join the club he/she has to visit the club and fill up the registration form. The form then passes through a hierarchy of club administrators before approval. It takes time as well as effort from a user's perspective. This is just a single case. Same problem persists in all the major operation of the club. The proposed club management system is fully automated and requires just one person from the club to maintain the functionalities of the club. The user can register for new membership, members can see their details, register for sports activities, register for competitions, book hall/ground etc. No need of clumsy paper-work. No need to be physically presence for small activities. No manual processing of requests.

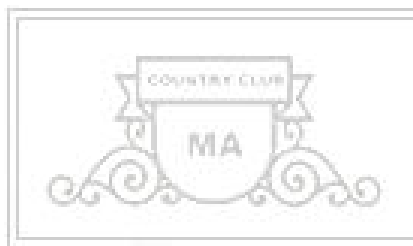
A club management system that provides and manages various club activities such as member registration, sports activities and much more. The club management system manages the entire club activities and provides respective functionality for various types of visitors. This system is built with respect to managing an all-round club with both sports and other recreational facilities. It allows normal users to avail for club membership, book the party ground/hall for desired days and even enroll for various activities in the club. The club management system is built keeping in mind various daily activities and the software automates all these club functionalities for easy operation of the club.

ABSTRACT

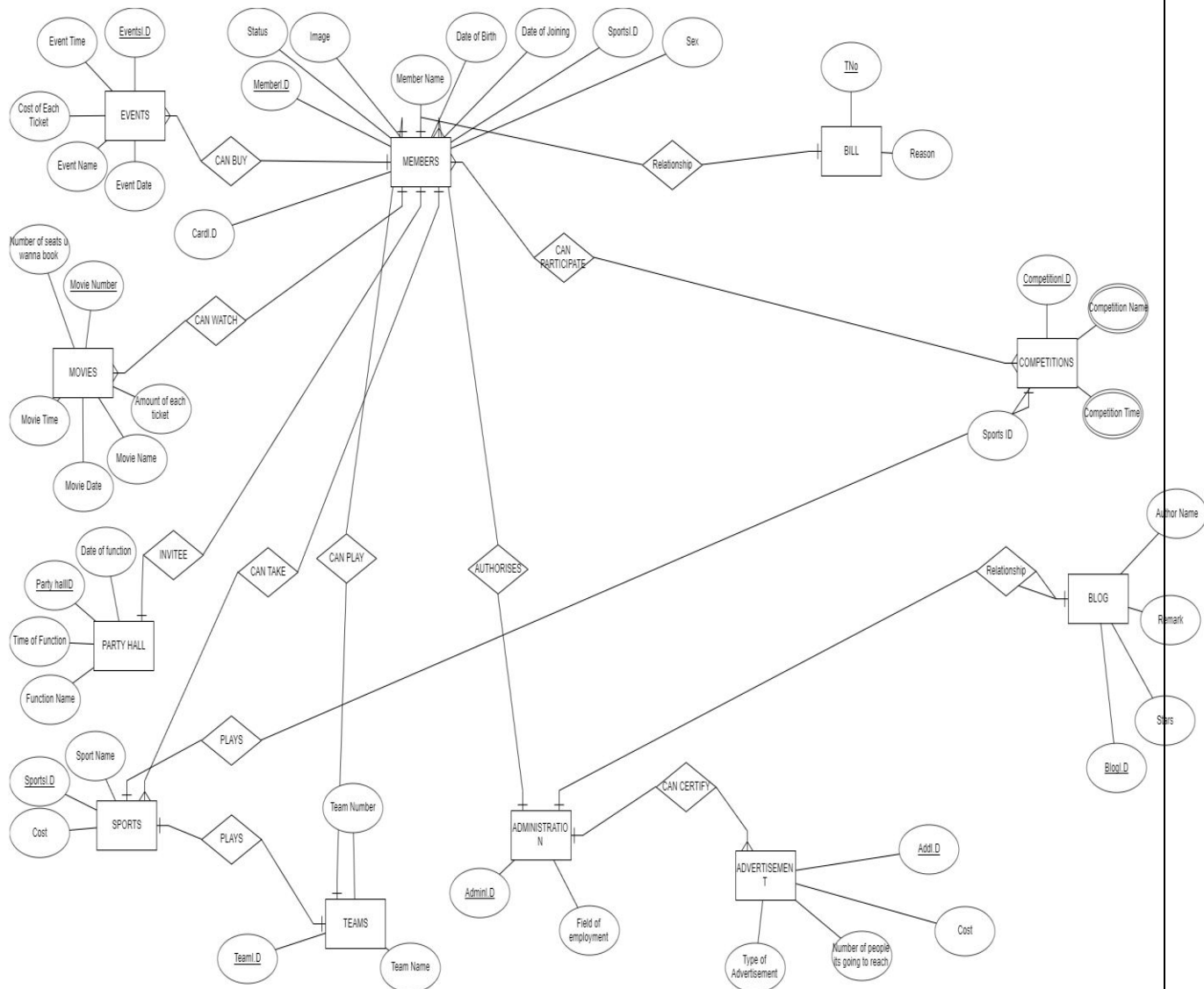
This club management system which we have made has a great deal of advantages over the other existing club database management.

This club database management functionality can be performed under the supervision of only a single person who is one of the representatives of the administration. He/she can control all the information and functionalities of the club single-handedly.

The advantage it provides is that the complete storage and details of each and everything a person and his family are utilizing in the club and the reduces the clumsy paperwork and hectic run around to book something if required.



E-R DIAGRAM



ENTITIES: Members, Events, Movies, Party Hall, Sports, Teams, Administration ,Advertisement ,Blog ,Competition ,Bill.

RELATIONS: Can Buy, Can Watch, Invitee, Can Take, Can Play, Authorizes, Can Certify, Can Participate, Can Create, Pay.

ATTRIBUTES:

1)MEMBERS-Member Name, MemberI.D, Date of birth, Date of Joining, Sports I.D, Sex, Status, Image.

2)BILLS-Transaction Number, Reason, MemberI.D.

3)EVENTS-EventI.D, Event_Name, Event_Time, Cost_of_each_ticket, Event_Date, MemberI.D.

4)MOVIES-Movie Number, Number of tickets booked, Movie Date, Movie Time, Amount of each ticket, MemberI.D.

5)PARTY HALL-Date of Function, Party HallI.D, Time of Function ,Function Name ,MemberI.D.

6)SPORTS-Sports Name, SportsI.D, Cost.

7)TEAMS-Team Number, Team I.D, Team Name, MemberI.D, Sports I.D.

8)ADMINISTRATION- AdminI.D, Field of Employment, Name, Member I.D.

9)ADVERTISEMENT-Type of Advertisement, Cost, Add I.D, Number of People it is going to reach, Admin I.D.

10)BLOG-Blog I.D, Stars, Remark, Author Name, Admin I.D.

11)COMPETITIONS-Competition Name, Competition I.D, Competition Time, Sports I.D.

SOFTWARE USED

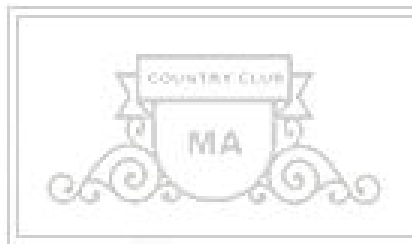
3 main softwares have been used for the development of the management system namely-

- 1) Visual Studio code 2019 (Front End)
- 2) phpMyAdmin/Xampp (Back End)
- 3) Google Chrome (Execution Of Front End)

CODING LANGUAGES USED

The entire project has been developed using 3 main coding languages namely

- 1) HTML5
- 2) CSS3
- 3) PHP
- 4) SQL



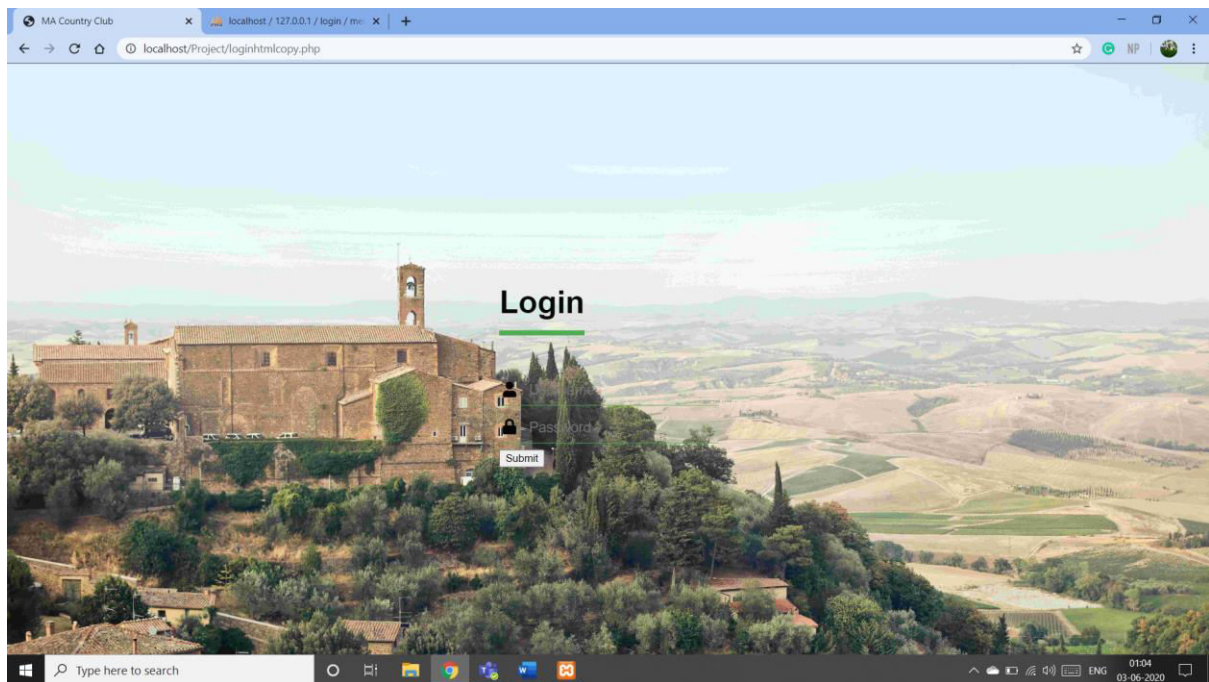
GITHUB REPOSITORY LINK OF THE PROJECT

<https://github.com/ayushdhiman101/DBMS-Project/blob/master/Project.zip>

DESCRIPTION OF WEBPAGES

Our database has 2 level of accesses with different functionalities (User and amin) First screen shot of the respective category are from the users point of view and the second from the admins

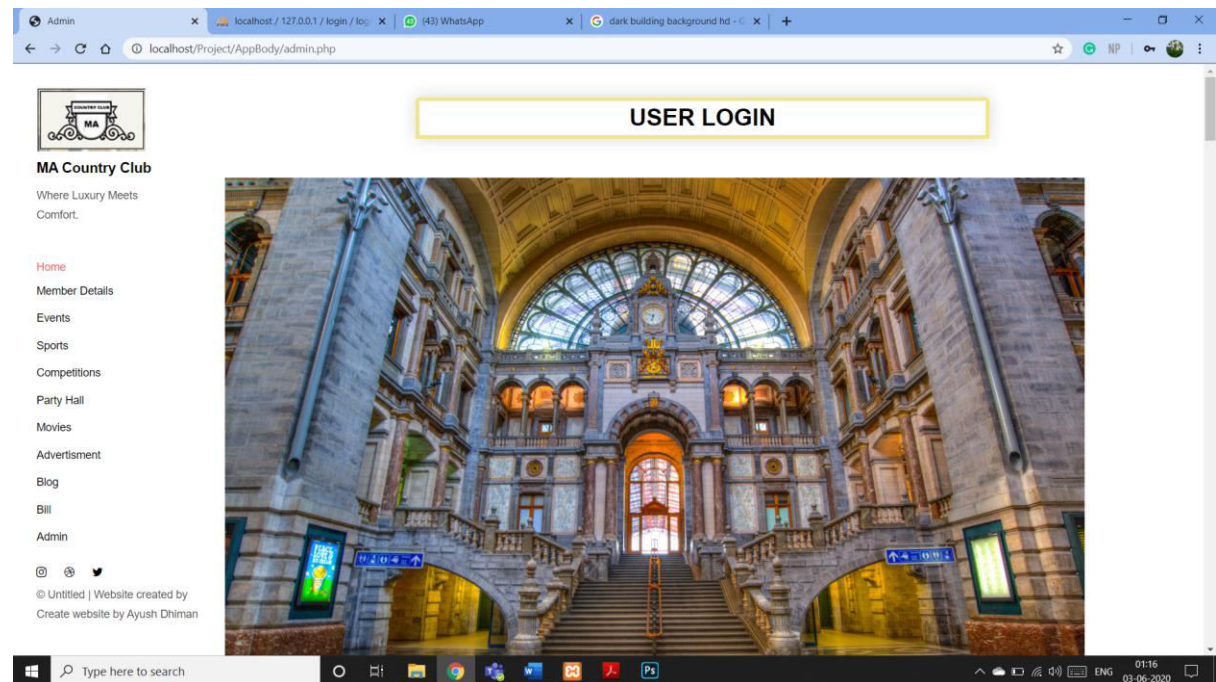
1) Login Page



A user-friendly and attractive login page of our website. It asks for a username and password (which are stored in a loginform in phpMyAdmin database).

There are 2 level of access in the website, that is **USER** and **ADMIN**. According to your credentials you will be logged in the site that will provide different access to data and other functionalities accordingly. An admin will have the power to manipulate the data in the database whereas a user wouldn't comparatively.

2) Home Page



Home page for both user and admin are similar, it consists of series of eye-catching pictures of our prestigious club. Your access level is specified on the top of the home page itself.

On the left side the navigation bar is fixed with our logo on top of it.

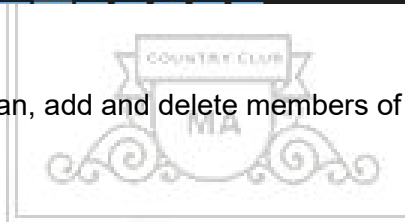
3) Member Details



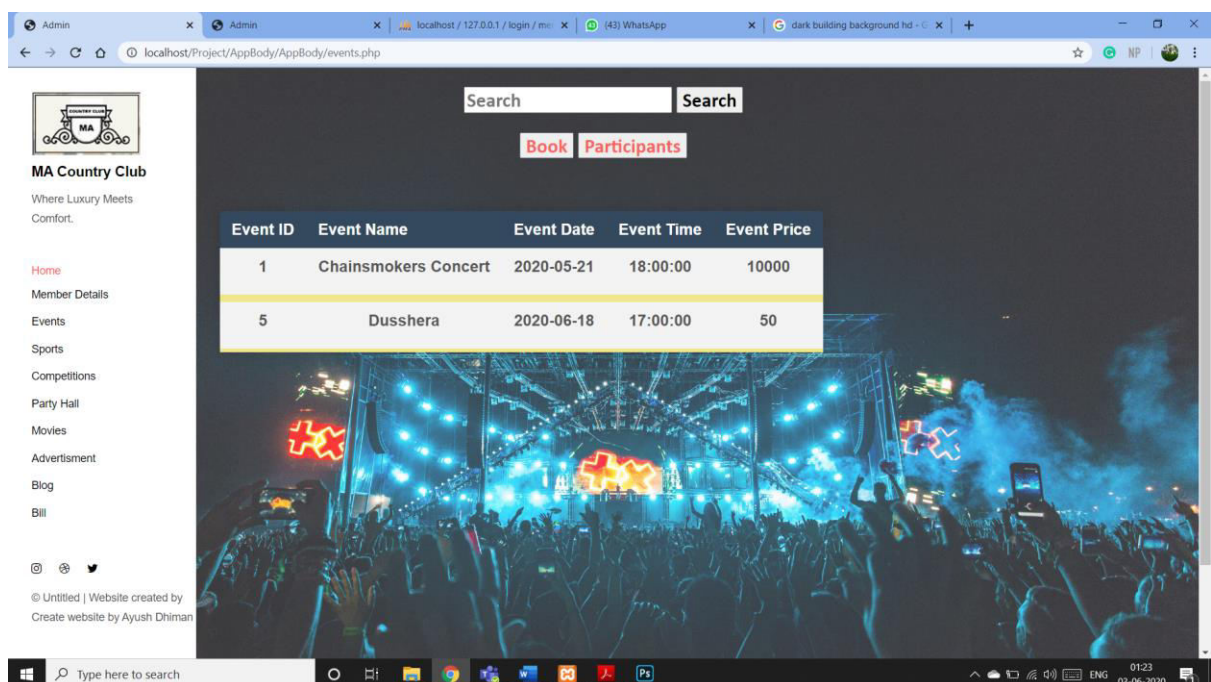
A user can access details of all the members of the club using the search text box that has been available on top of the page.



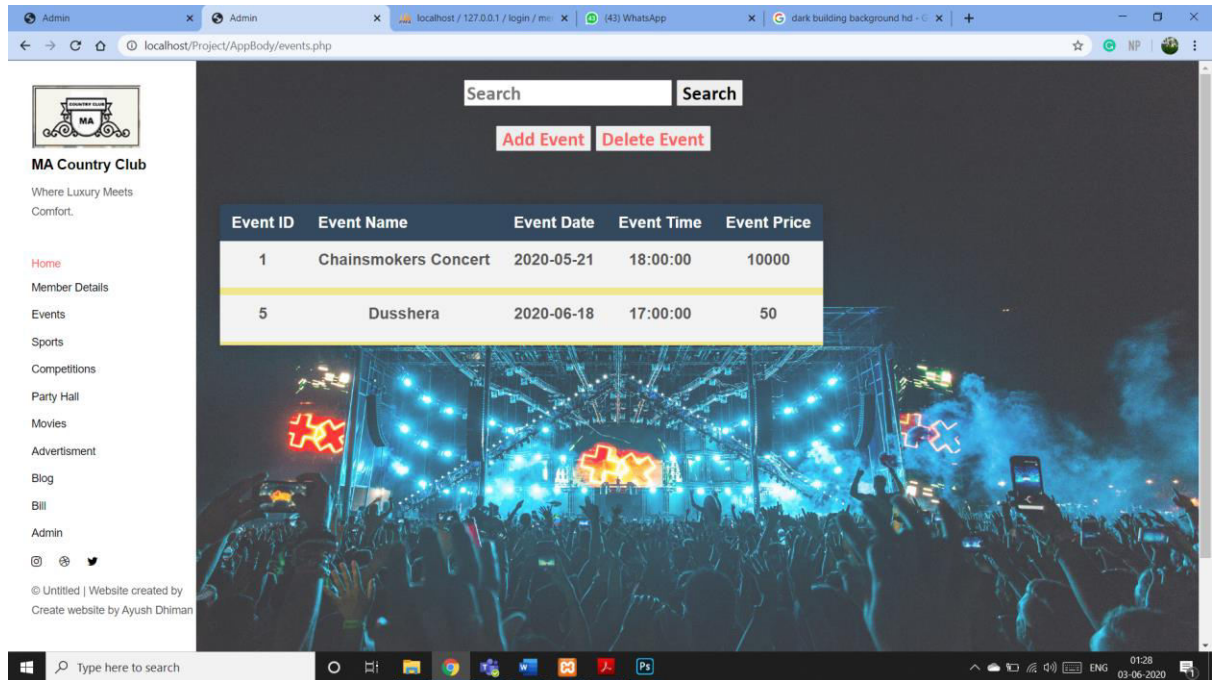
An admin apart from search can, add and delete members of the club from the database with the buttons provided.



4) Events



A user can see and search for the details of the events being organised in the club. He/she has the ability to book numerous numbers of tickets of the same by clicking on the BOOK button. When tickets are booked the total amount is automatically added to the bills table. He/she could see the member ids of whoever has booked event tickets for the same.

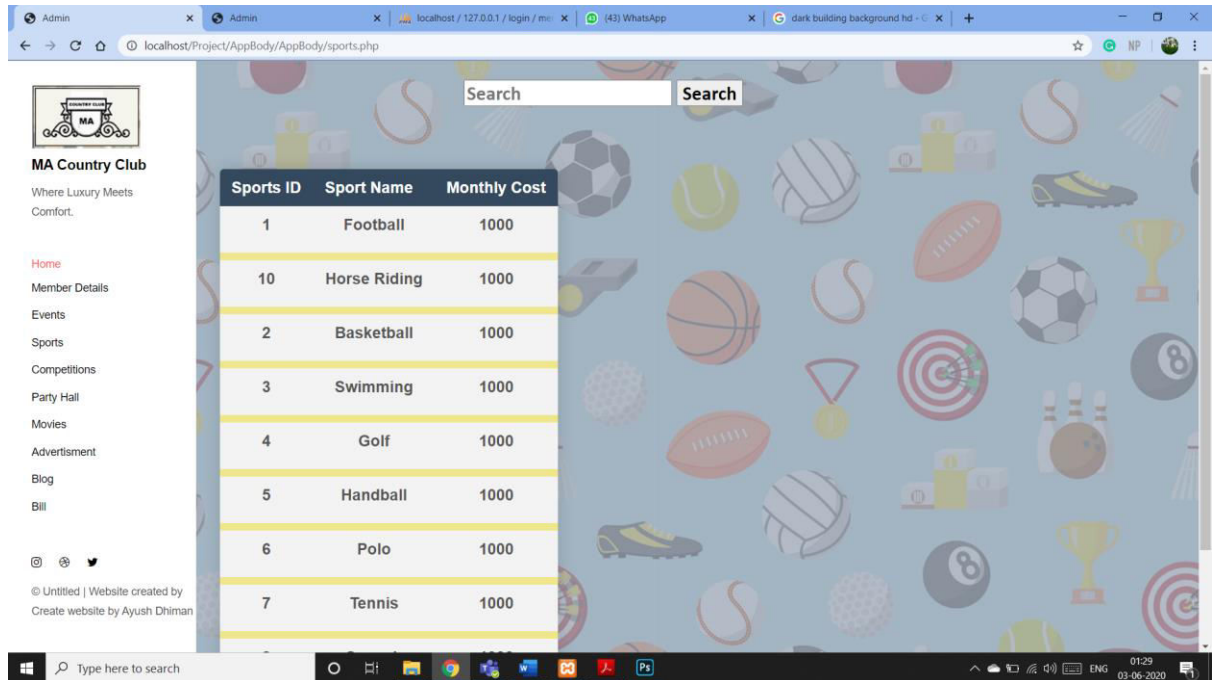


The screenshot shows a web application interface for the MA Country Club. The page is titled "MA Country Club" with the tagline "Where Luxury Meets Comfort." The left sidebar contains a navigation menu with links: Home, Member Details, Events, Sports, Competitions, Party Hall, Movies, Advertisement, Blog, Bill, and Admin. The main content area features a search bar, "Add Event" and "Delete Event" buttons, and a table of events. The table has columns for Event ID, Event Name, Event Date, Event Time, and Event Price. Two events are listed: "Chainsmokers Concert" (Event ID 1, Date 2020-05-21, Time 18:00:00, Price 10000) and "Dussehra" (Event ID 5, Date 2020-06-18, Time 17:00:00, Price 50). The background of the page is a vibrant image of a concert stage with bright blue and red lights and a large crowd of people.

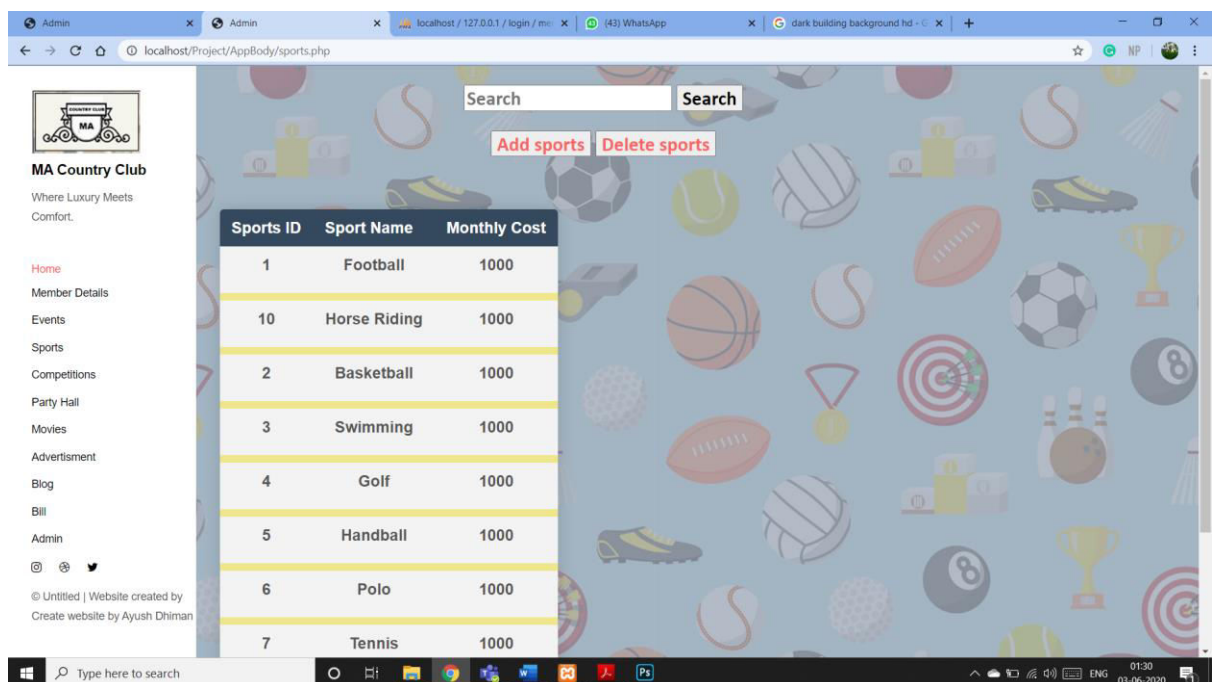
Event ID	Event Name	Event Date	Event Time	Event Price
1	Chainsmokers Concert	2020-05-21	18:00:00	10000
5	Dussehra	2020-06-18	17:00:00	50

An admin has the ability to add and delete event details from the database that are being organised and held in the club for the users to see and book for.

5) Sports

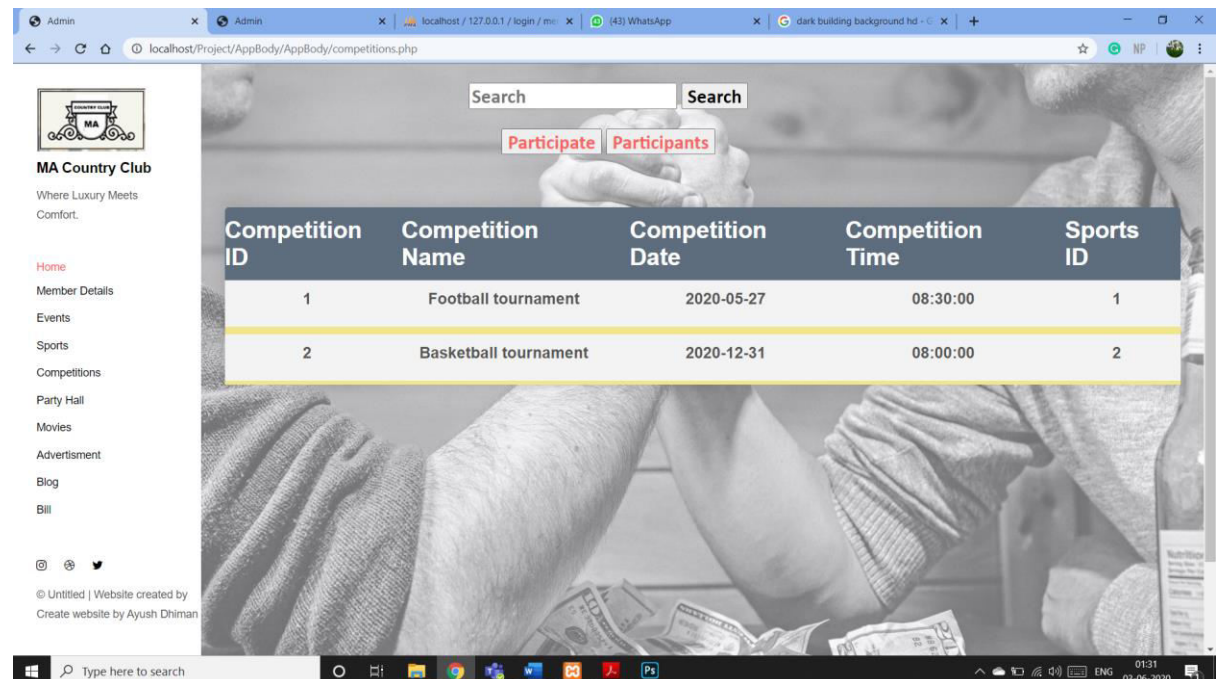


A user can view the details of all the sports facilities that they can avail and utilise in the club.



An Admin can add and delete sports available in the club

6) Competitions

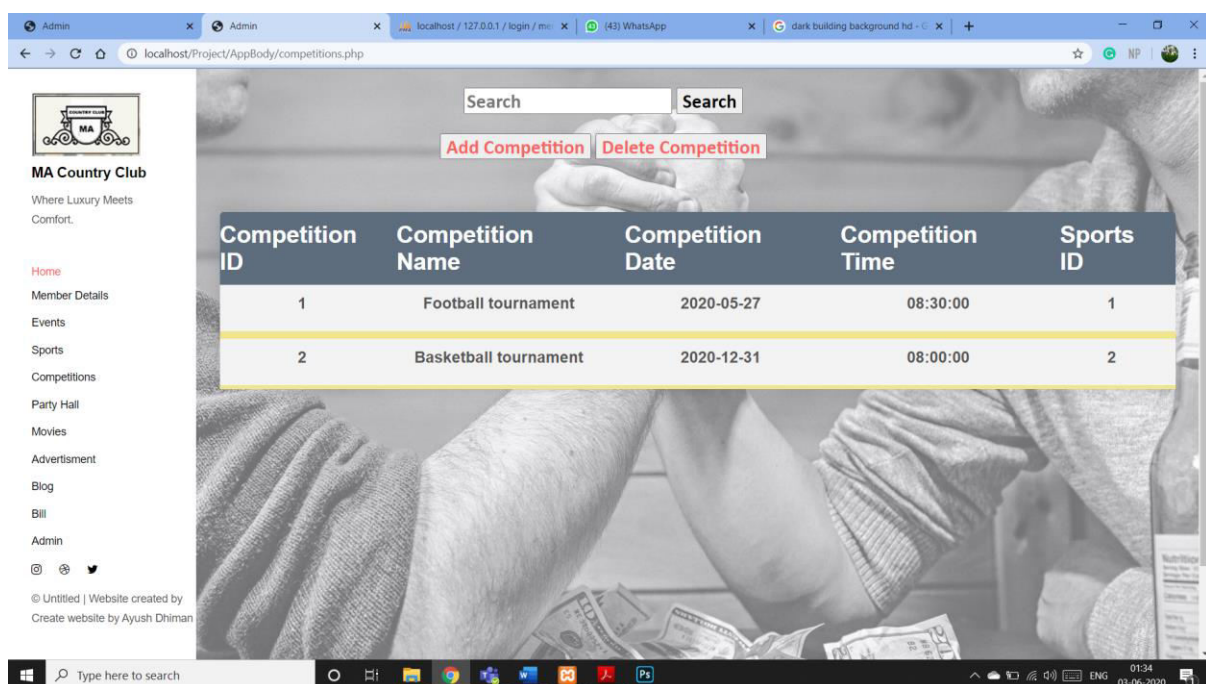


The screenshot shows the MA Country Club website. The sidebar on the left contains the following navigation links: Home, Member Details, Events, Sports, Competitions, Party Hall, Movies, Advertisement, Blog, and Bill. The main content area displays a table of competitions with the following data:

Competition ID	Competition Name	Competition Date	Competition Time	Sports ID
1	Football tournament	2020-05-27	08:30:00	1
2	Basketball tournament	2020-12-31	08:00:00	2

Below the table, there are two buttons: "Participate" and "Participants".

A user can see all the details of the competitions that are being held by the club. He/she can participate in it by clicking on the button. They can see all the various participants that have already booked to take part in it. The competition money chargeable automatically gets added to the captain's bill in the BILL table



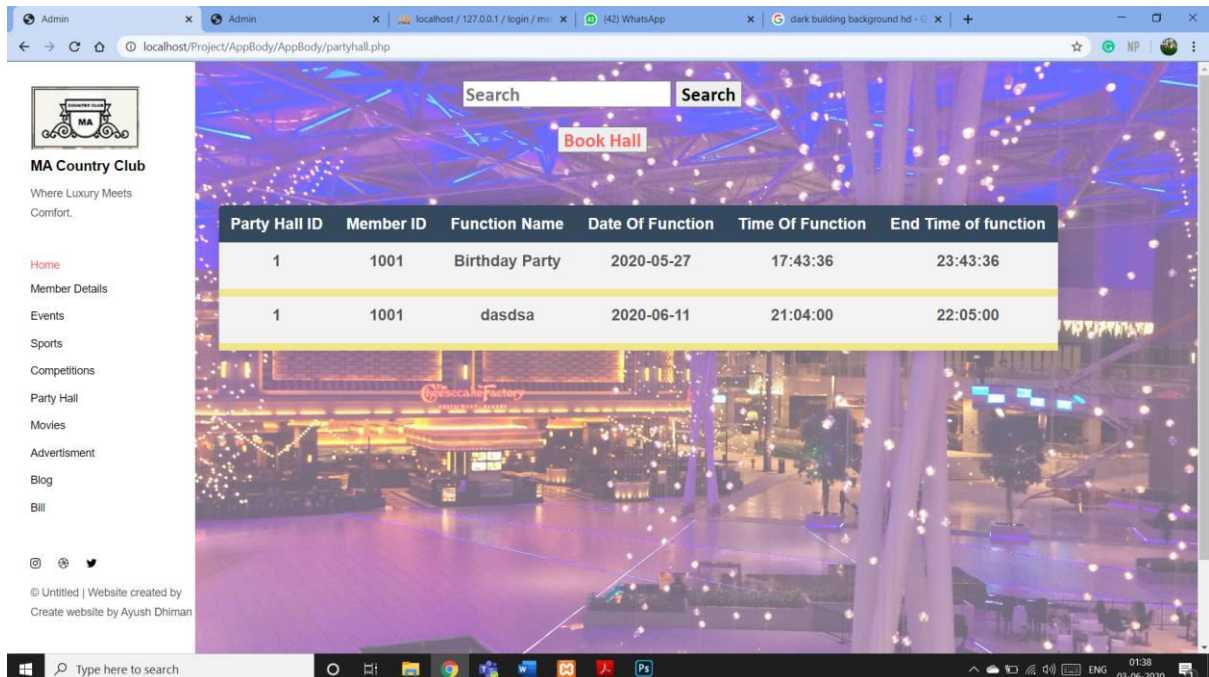
The screenshot shows the MA Country Club website. The sidebar on the left contains the following navigation links: Home, Member Details, Events, Sports, Competitions, Party Hall, Movies, Advertisement, Blog, Bill, Admin, and a footer with social media icons and copyright information. The main content area displays a table of competitions with the following data:

Competition ID	Competition Name	Competition Date	Competition Time	Sports ID
1	Football tournament	2020-05-27	08:30:00	1
2	Basketball tournament	2020-12-31	08:00:00	2

Below the table, there are two buttons: "Add Competition" and "Delete Competition".

An admin can add and delete the competition details that take place in the club.

7) Party Hall



MA Country Club
Where Luxury Meets Comfort.

Home
Member Details
Events
Sports
Competitions
Party Hall
Movies
Advertisement
Blog
Bill

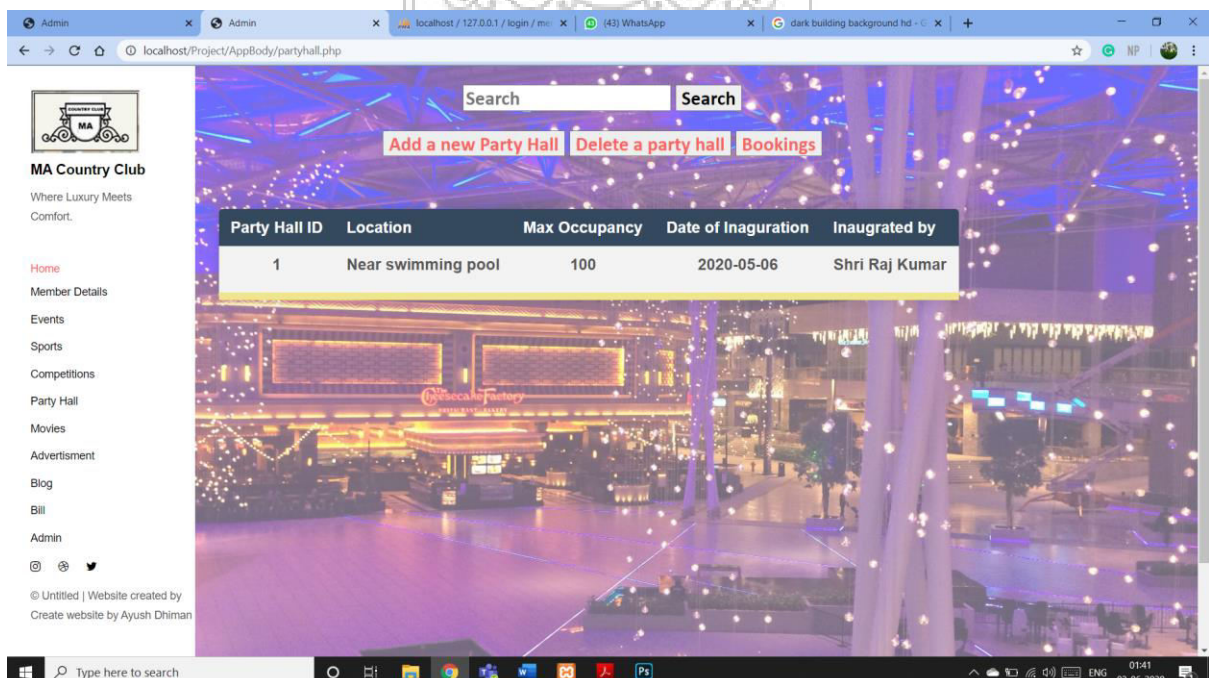
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Search Search

Book Hall

Party Hall ID	Member ID	Function Name	Date Of Function	Time Of Function	End Time of function
1	1001	Birthday Party	2020-05-27	17:43:36	23:43:36
1	1001	dasdsa	2020-06-11	21:04:00	22:05:00

A user can see the bookings made by other members and book the same for the price of rupees 100 per invitee by clicking on the button (Only one function a day (Unique Key)). The bill for the same is added to bills table under that particular member.



MA Country Club
Where Luxury Meets Comfort.

Home
Member Details
Events
Sports
Competitions
Party Hall
Movies
Advertisement
Blog
Bill
Admin

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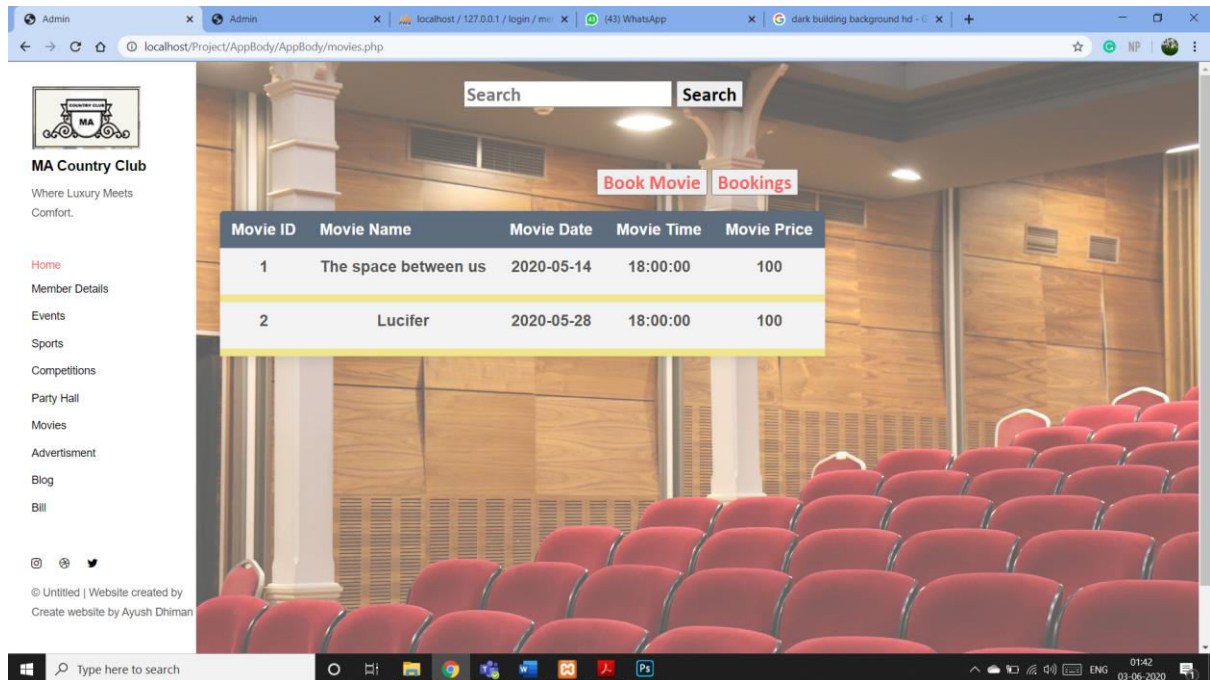
Search Search

Add a new Party Hall Delete a party hall Bookings

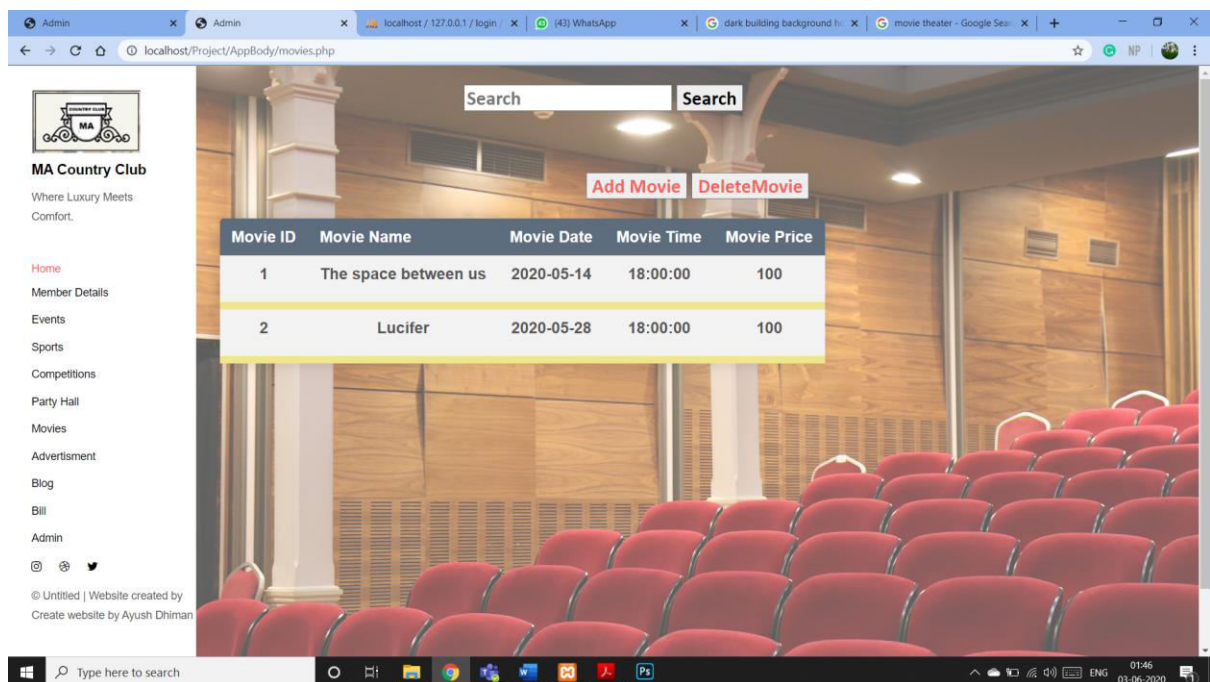
Party Hall ID	Location	Max Occupancy	Date of Inaguration	Inaugrated by
1	Near swimming pool	100	2020-05-06	Shri Raj Kumar

An Admin can add new party hall constructed in the club and delete the ones that have been torn down. Apart from that an admin can check and monitor all the bookings that are being made by the members.

8) Movies

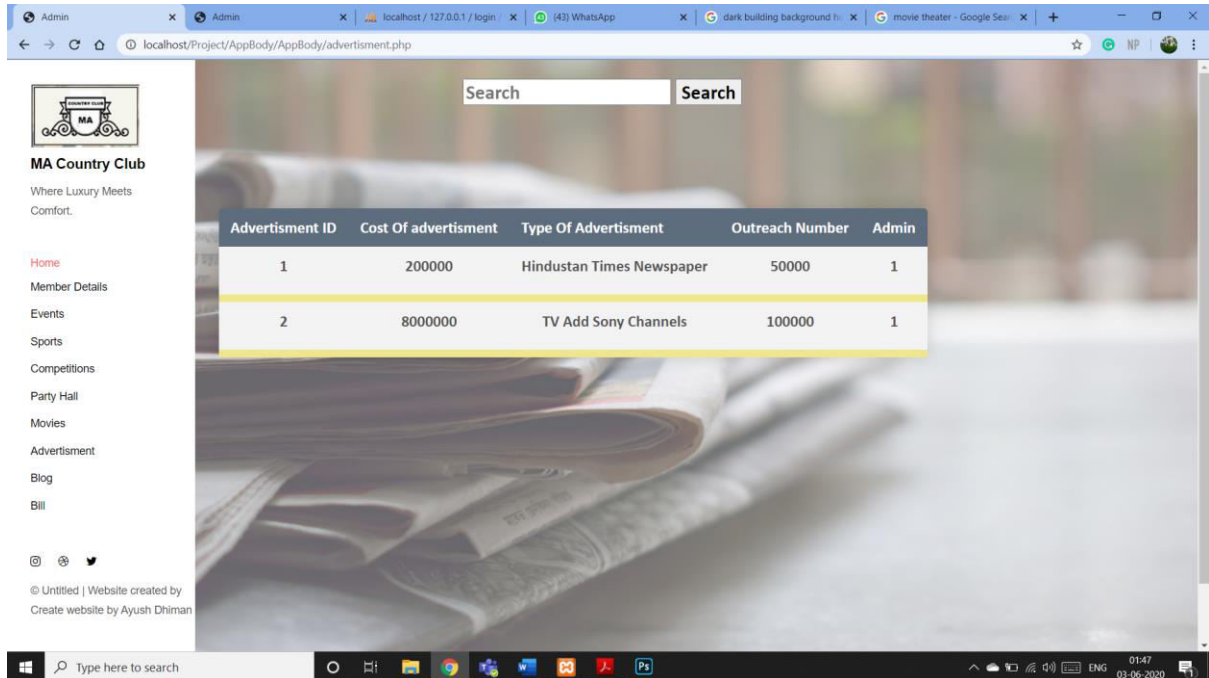


A user can see all the movie details that is being played in the club's movie theatre, they can book a particular movie and buy any number of tickets. The bill for the same will be added to the monthly BILL table



An admin has the ability to add and delete movies data from the club database by clicking on the respective button.

9) Advertisement

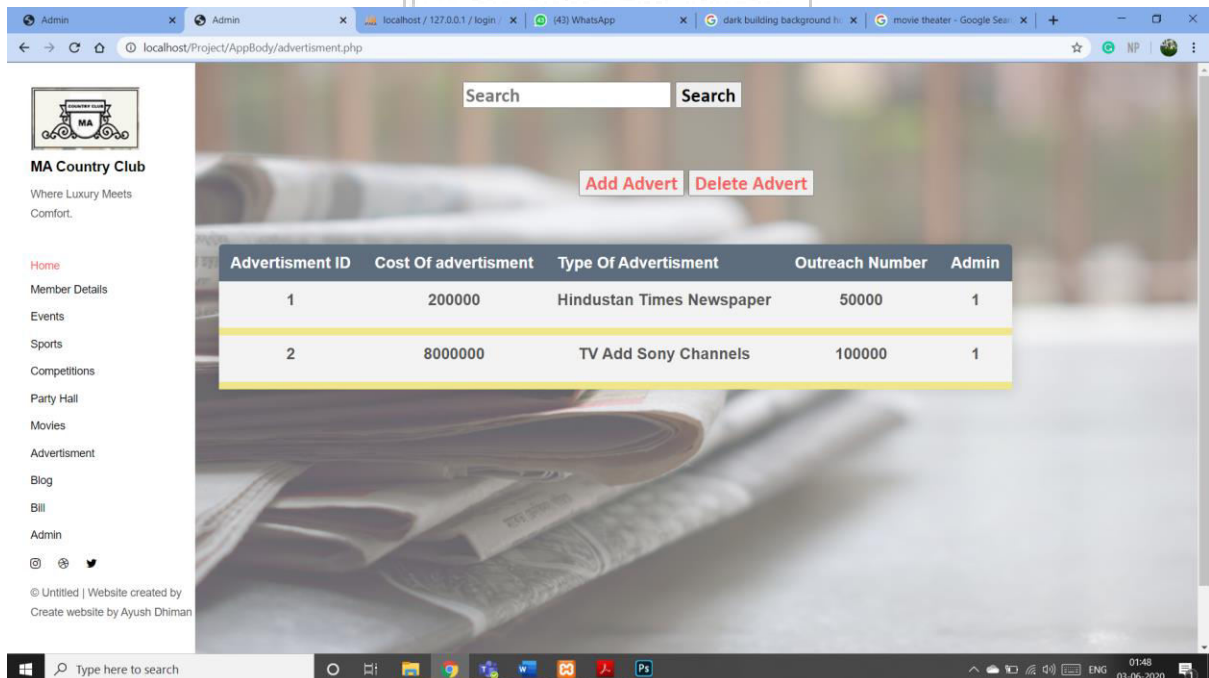


The screenshot shows the MA Country Club website's advertisement management interface. The page features a search bar at the top. Below it, a table displays the following data:

Advertisement ID	Cost Of advertisement	Type Of Advertisement	Outreach Number	Admin
1	200000	Hindustan Times Newspaper	50000	1
2	8000000	TV Add Sony Channels	100000	1

The sidebar on the left contains the following navigation links: Home, Member Details, Events, Sports, Competitions, Party Hall, Movies, Advertisement, Blog, and Bill. The footer of the sidebar includes the text: "© Untitled | Website created by Create website by Ayush Dhiman".

A user can access details of all the advertisement put out in the public through various mediums advertising the club.



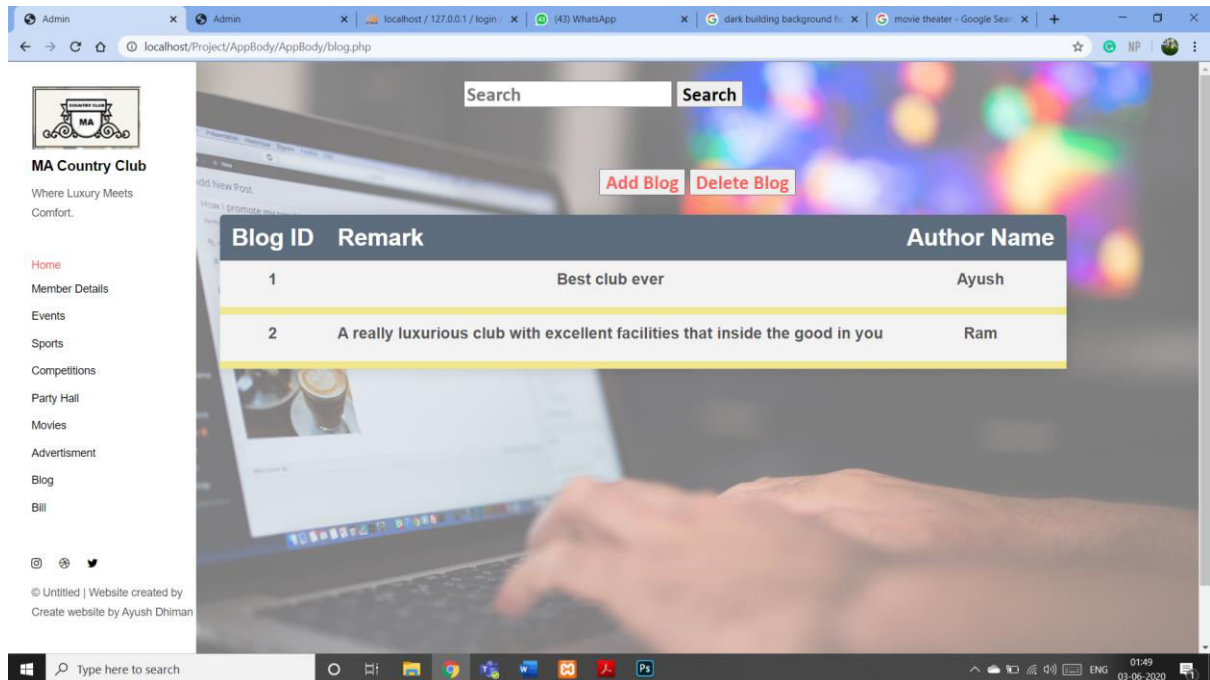
The screenshot shows the MA Country Club website's advertisement management interface, similar to the previous one but with additional functionality. The page features a search bar at the top. Below it, a table displays the same data as the previous screenshot:

Advertisement ID	Cost Of advertisement	Type Of Advertisement	Outreach Number	Admin
1	200000	Hindustan Times Newspaper	50000	1
2	8000000	TV Add Sony Channels	100000	1

Below the table, there are two buttons: "Add Advert" and "Delete Advert". The sidebar on the left contains the same navigation links as the previous screenshot, including "Admin" at the bottom. The footer of the sidebar includes the text: "© Untitled | Website created by Create website by Ayush Dhiman".

An admin can add and delete advert details that have been published from the database

10) Blog



A user and admin both can add and delete blogs on the website about the club and give feedbacks that can be used for the betterment of it. This is a universal platform that can be accessed by non-members also from the main login page.

11) Bill

The screenshot shows a web application for the MA Country Club. The left sidebar contains a logo and navigation links: Home, Member Details, Events, Sports, Competitions, Party Hall, Movies, Advertisement, Blog, and Bill. The main content area features a search bar with the text "Search" and a "Search" button. Below the search bar, a date range "1st Jun 2020 to 1st Jul 2020" is displayed. A message states "Bill needs to be paid on or before 1st of june". A table lists bills for members:

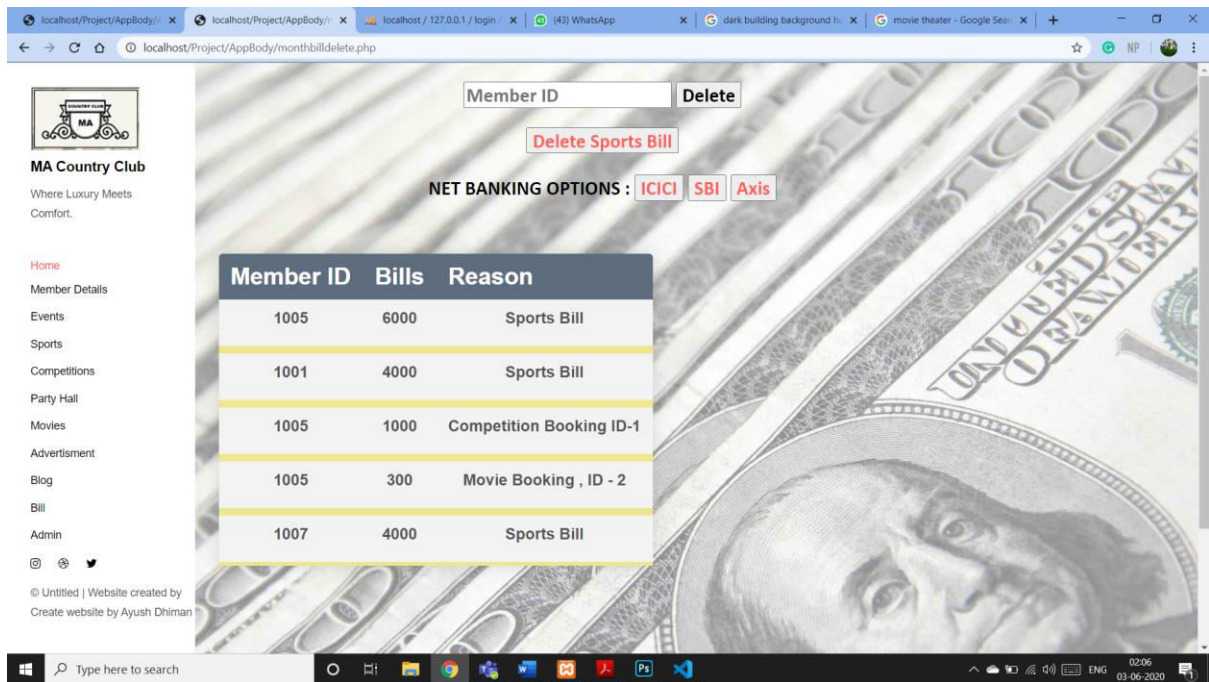
Member ID	Bills	Reason
1005	6000	Sports Bill
1001	4000	Sports Bill
1005	1000	Competition Booking ID-1
1005	300	Movie Booking , ID - 2
1007	4000	Sports Bill

An autogenerated bill can be accessed by respective users by searching their member ids in the search text box. All the billable activities done by them in the club will be stored in it which has to be paid to the admin either physically or by net banking in admin's presence.

This screenshot is similar to the previous one but includes a red "Delete" button located above the date range. The table of bills remains the same:

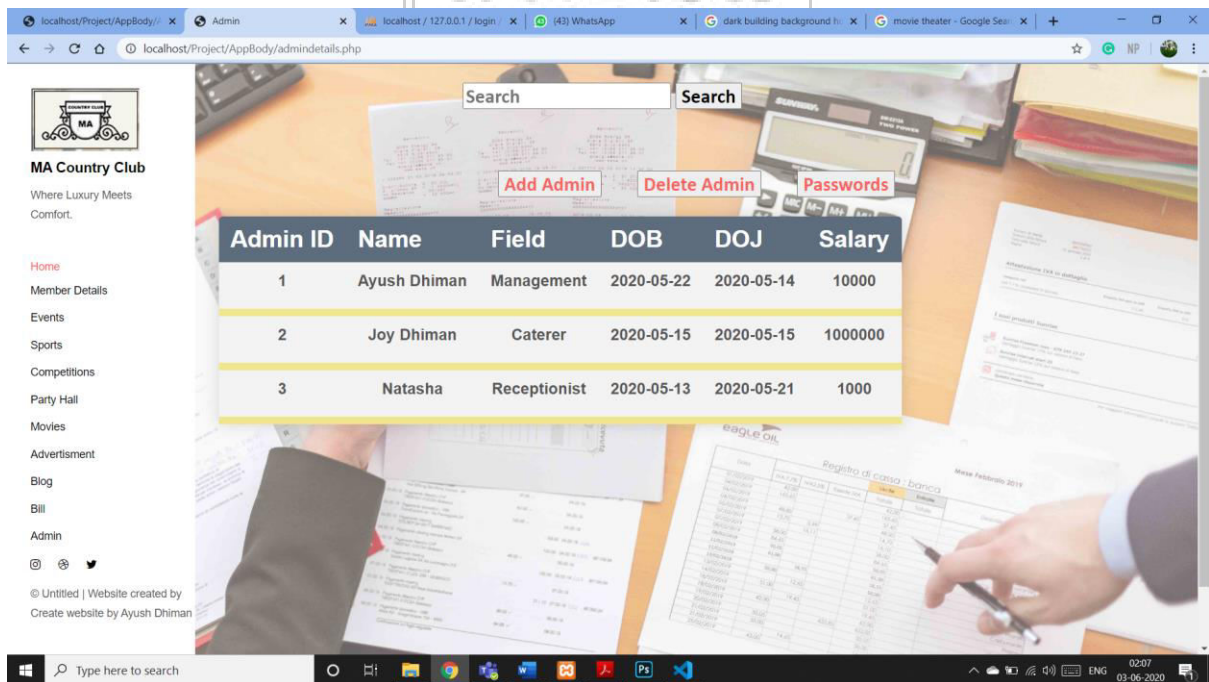
Member ID	Bills	Reason
1005	6000	Sports Bill
1001	4000	Sports Bill
1005	1000	Competition Booking ID-1
1005	300	Movie Booking , ID - 2
1007	4000	Sports Bill

An admin can view all the bills of the members and has the ability to clear them after payment has been successfully done in the allocated time period, i.e. at the end of each month.



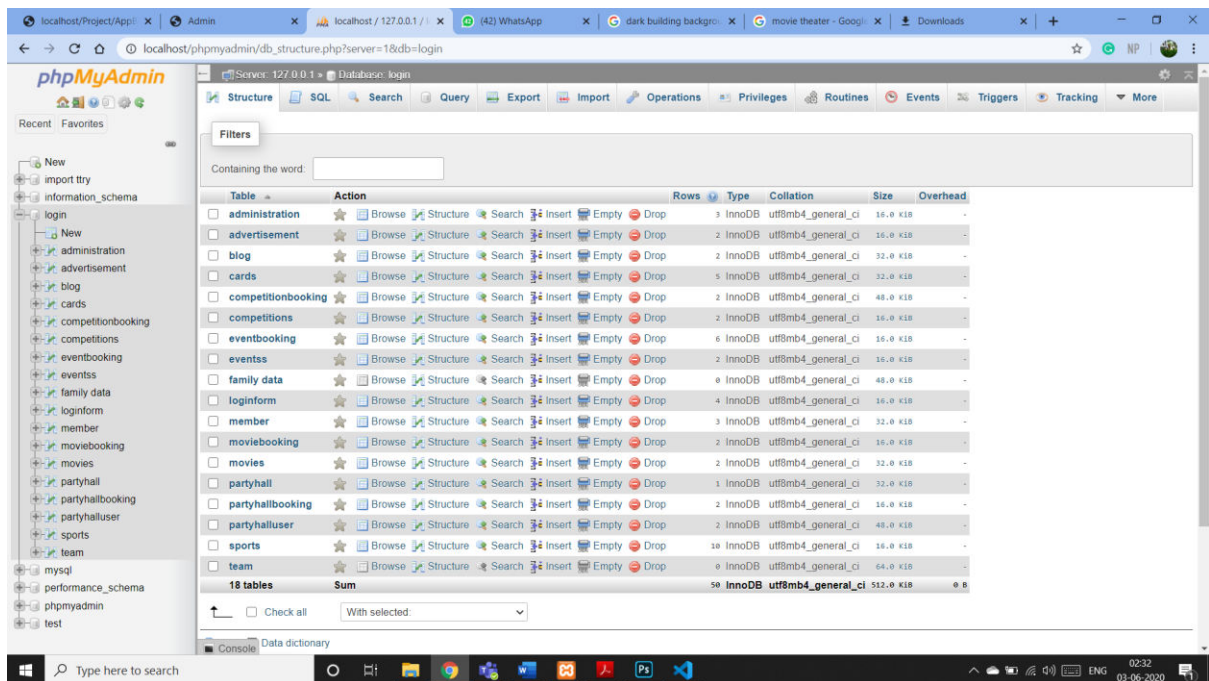
Net banking options are available though it has to be in the presence of admin as the bill has to be cleared towards the end. All bills except the sports bill will be cleared from the system which has to be paid regularly after every month end.

12) Worker Details and login passwords (Admin access only)



An admin can view all the details of the workers of the club and all the usernames and passwords of the site(user and admin both included)

BACKEND DATABASE TABLES



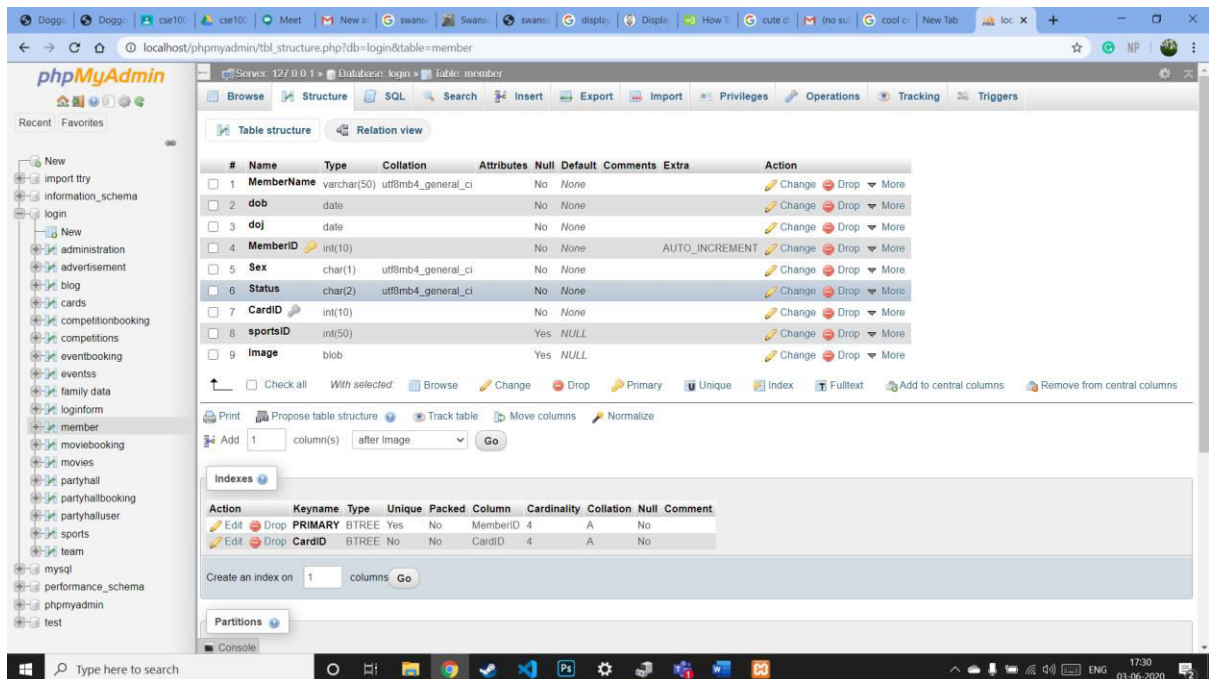
The screenshot displays the phpMyAdmin web interface for a database named 'login'. The left sidebar shows a tree view of the database structure, including tables like 'administration', 'advertisement', 'blog', 'cards', 'competitionbooking', 'competitions', 'eventbooking', 'eventss', 'family data', 'loginform', 'member', 'moviebooking', 'movies', 'partyhall', 'partyhallbooking', 'partyhalluser', 'sports', 'team', 'mysq', 'performance_schema', 'phpmyadmin', and 'test'. The main panel shows a list of 18 tables with their respective actions (Browse, Structure, Search, Insert, Empty, Drop) and details (Rows, Type, Collation, Size, Overhead). The tables are listed in the following order: administration, advertisement, blog, cards, competitionbooking, competitions, eventbooking, eventss, family data, loginform, member, moviebooking, movies, partyhall, partyhallbooking, partyhalluser, sports, and team. The 'Sum' row at the bottom indicates a total of 18 tables.

Table	Action	Rows	Type	Collation	Size	Overhead
administration	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 K	-
advertisement	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K	-
blog	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 K	-
cards	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	32.0 K	-
competitionbooking	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	48.0 K	-
competitions	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K	-
eventbooking	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	16.0 K	-
eventss	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K	-
family data	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	48.0 K	-
loginform	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 K	-
member	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 K	-
moviebooking	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K	-
movies	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 K	-
partyhall	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	32.0 K	-
partyhallbooking	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K	-
partyhalluser	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	48.0 K	-
sports	Browse Structure Search Insert Empty Drop	18	InnoDB	utf8mb4_general_ci	16.0 K	-
team	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	64.0 K	-
18 tables	Sum	50	InnoDB	utf8mb4_general_ci	512.0 K	0 B

A total of 18 tables have been created on phpMyAdmin backend where all the respective data has been stored for the smooth and efficient functioning of the website.

Important tables

Member table:



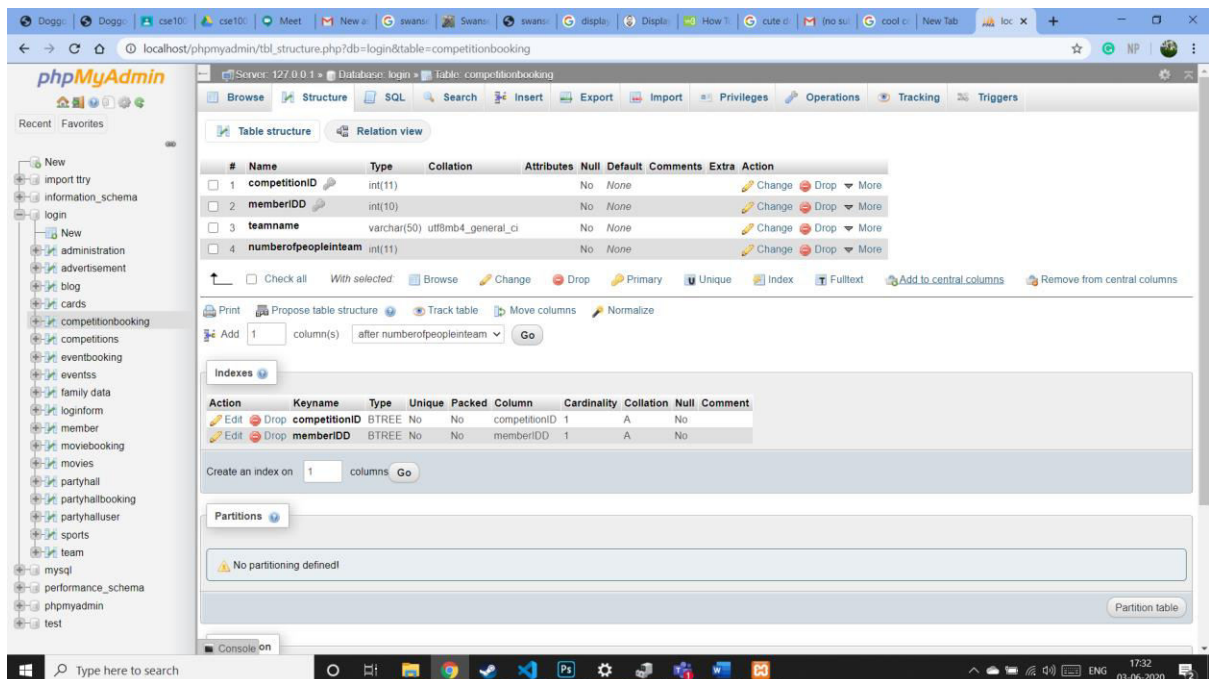
The screenshot shows the phpMyAdmin interface for the 'member' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	MemberName	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
2	dob	date			No	None			Change Drop More
3	doj	date			No	None			Change Drop More
4	MemberID	int(10)			No	None		AUTO_INCREMENT	Change Drop More
5	Sex	char(1)	utf8mb4_general_ci		No	None			Change Drop More
6	Status	char(2)	utf8mb4_general_ci		No	None			Change Drop More
7	CardID	int(10)			No	None			Change Drop More
8	sportsID	int(50)			Yes	NULL			Change Drop More
9	Image	blob			Yes	NULL			Change Drop More

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	MemberID	4	A	No	
Edit Drop	CardID	BTREE	No	No	CardID	4	A	No	

Competition booking table:



The screenshot shows the phpMyAdmin interface for the 'competitionbooking' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	competitionID	int(11)			No	None			Change Drop More
2	memberID	int(10)			No	None			Change Drop More
3	teamname	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
4	numberofpeopleinteam	int(11)			No	None			Change Drop More

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	competitionID	BTREE	No	No	competitionID	1	A	No	
Edit Drop	memberID	BTREE	No	No	memberID	1	A	No	

Events table:

The screenshot shows the phpMyAdmin interface for the 'events' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	eventsID	int(50)			No	None		AUTO_INCREMENT	Change Drop More
2	eventname	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	costofeachticket	int(50)			No	None			Change Drop More
4	eventdate	date			No	None			Change Drop More
5	eventtime	time			No	None			Change Drop More

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	eventsID	3	A	No	

Partitions: No partitioning defined.

Bill table:



The screenshot shows the phpMyAdmin interface for the 'cards' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	TNo	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	memberID	int(10)			No	None			Change Drop More
3	MonthBill	int(11)			No	None			Change Drop More
4	Reason	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

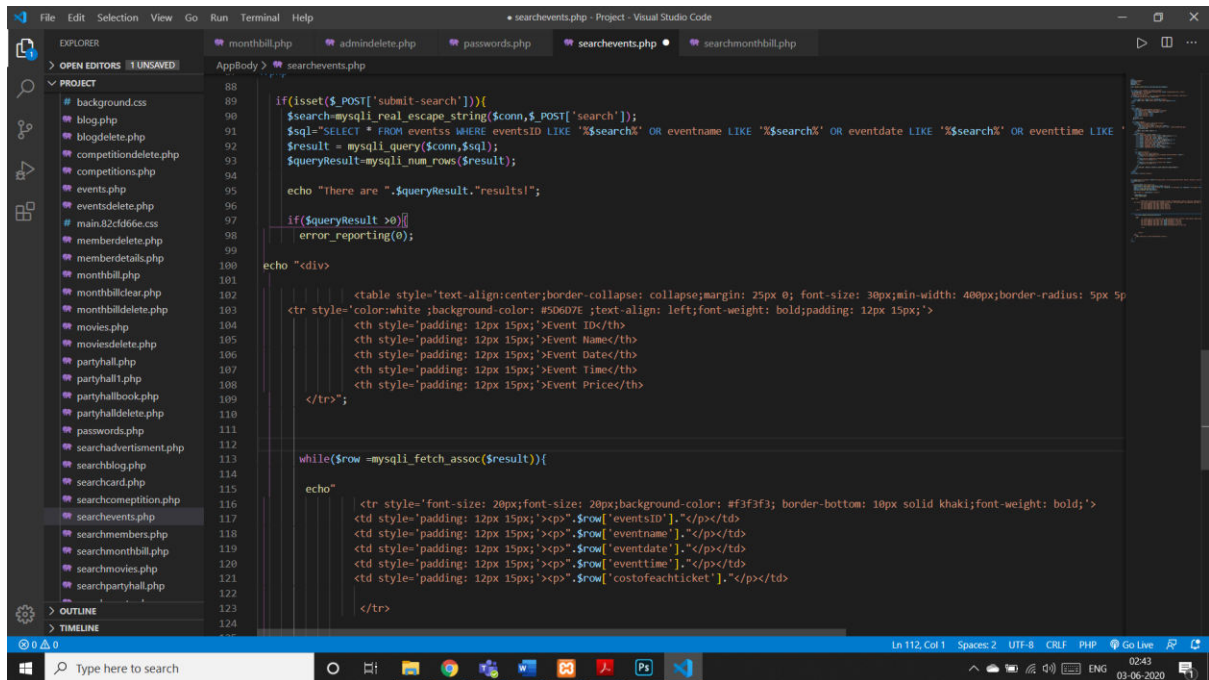
Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	TNo	5	A	No	
Edit Drop	memberID	BTREE	No	No	memberID	5	A	No	

Partitions: No partitioning defined.

MINUTE SEGMENTS OF CODE - ADDING, DELTING, SEARCHING VALUES FROM TABLE AND DISPLAYIN IN THE FRONT END

1) SEARCH AND DISPLAY - PHP / SQL CODE



```
if(isset($_POST['submit-search'])){
    $search=mysqli_real_escape_string($conn,$_POST['search']);
    $sql="SELECT * FROM events WHERE eventsID LIKE '%$search%' OR eventname LIKE '%$search%' OR eventdate LIKE '%$search%' OR eventtime LIKE '%$search%'";
    $result = mysqli_query($conn,$sql);
    $queryResult=mysqli_num_rows($result);

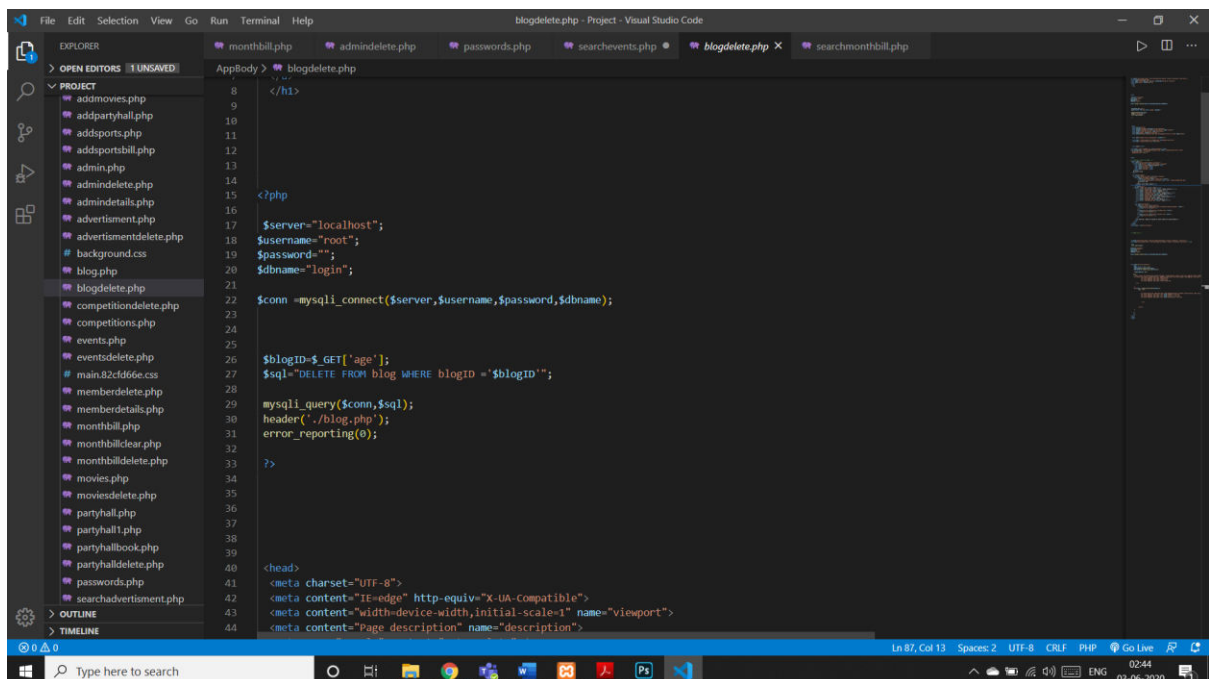
    echo "There are ".$queryResult." results!";

    if($queryResult >0){
        error_reporting(0);

        echo "<div>
            <table style='text-align:center;border-collapse: collapse;margin: 25px 0; font-size: 30px;min-width: 400px;border-radius: 5px 5px 0px 0px;'>
            <tr style='color:white;background-color: #506D8E; text-align: left;font-weight: bold;padding: 12px 15px;'>
                <th style='padding: 12px 15px;'>Event ID</th>
                <th style='padding: 12px 15px;'>Event Name</th>
                <th style='padding: 12px 15px;'>Event Date</th>
                <th style='padding: 12px 15px;'>Event Time</th>
                <th style='padding: 12px 15px;'>Event Price</th>
            </tr>";

            while($row =mysqli_fetch_assoc($result)){
                echo"
                <tr style='font-size: 20px;font-size: 20px;background-color: #f3f3f3; border-bottom: 10px solid khaki;font-weight: bold;'>
                    <td style='padding: 12px 15px;'><?php echo $row['eventsID'];</td>
                    <td style='padding: 12px 15px;'><?php echo $row['eventname'];</td>
                    <td style='padding: 12px 15px;'><?php echo $row['eventdate'];</td>
                    <td style='padding: 12px 15px;'><?php echo $row['eventtime'];</td>
                    <td style='padding: 12px 15px;'><?php echo $row['costofeachticket'];</td>
                </tr>";
            }
        </div>";
    }
}
```

2)DELETE - PHP / SQL CODE



```
<?php
    $server="localhost";
    $username="root";
    $password="";
    $dbname="login";

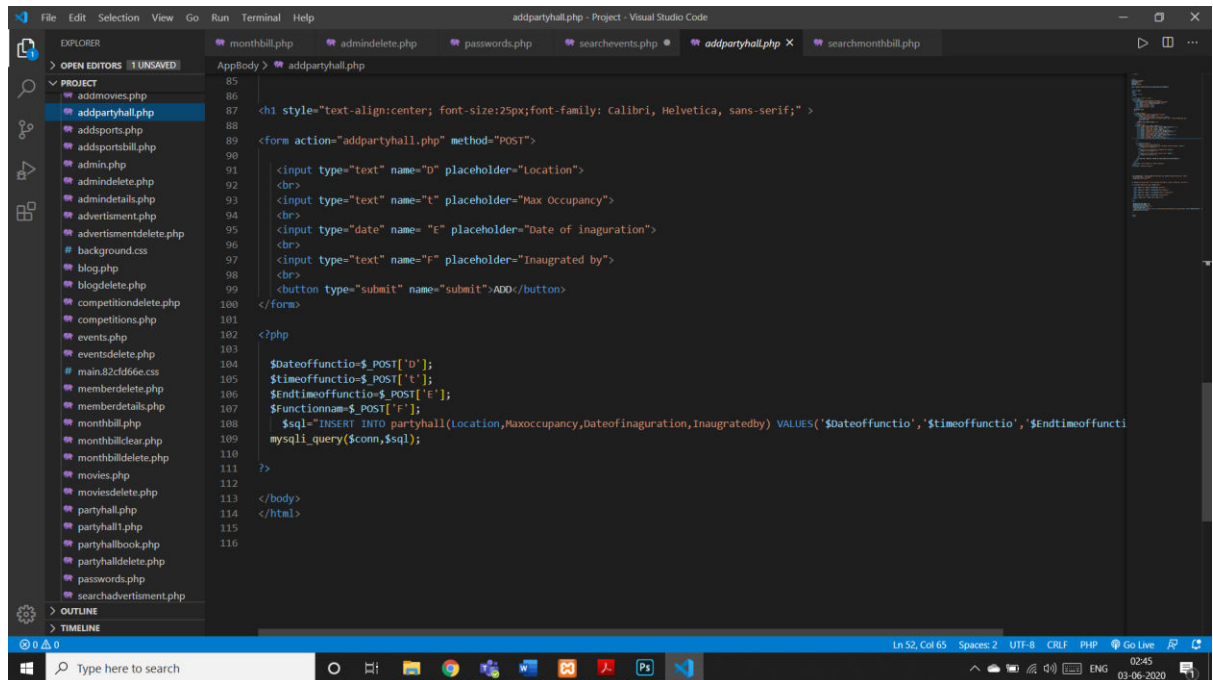
    $conn =mysqli_connect($server,$username,$password,$dbname);

    $blogID=$_GET['age'];
    $sql="DELETE FROM blog WHERE blogID = '$blogID'";

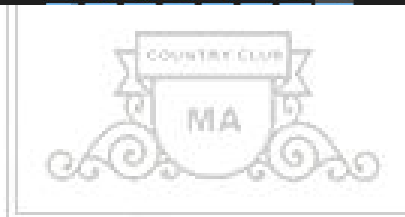
    mysqli_query($conn,$sql);
    header('./blog.php');
    error_reporting(0);
}>

<head>
    <meta charset="UTF-8">
    <meta content="IE=edge" http-equiv="X-UA-Compatible">
    <meta content="width=device-width,initial-scale=1" name="viewport">
    <meta content="Page description" name="description">
```

3) ADD - PHP / SQL CODE



```
85
86
87 <h1 style="text-align:center; font-size:25px;font-family: Calibri, Helvetica, sans-serif;" >
88
89 <form action="addpartyhall.php" method="POST">
90
91 <input type="text" name="D" placeholder="Location">
92 <br>
93 <input type="text" name="t" placeholder="Max Occupancy">
94 <br>
95 <input type="date" name="E" placeholder="Date of Inauguration">
96 <br>
97 <input type="text" name="F" placeholder="Inaugrated by">
98 <br>
99 <button type="submit" name="submit">ADD</button>
100 </form>
101
102 <?php
103
104 $Dateoffunctio=$_POST['D'];
105 $timeoffunctio=$_POST['t'];
106 $Endtimeoffunctio=$_POST['E'];
107 $Functionname=$_POST['F'];
108 $sql="INSERT INTO partyhall(Location,Maxoccupancy,DateofInauguration,Inaugratedby) VALUES('$Dateoffunctio','$timeoffunctio','$Endtimeoffunctio','$Functionname')";
109 $mysql_query($conn,$sql);
110
111 ?>
112
113 </body>
114 </html>
115
116
```



CONCLUSION

Project Club Management is a great grip over the existing system. The existing system is mainly based on file-based systems. The file-based system takes a greater part of the storage and is mainly very tedious to work on it. The redundancy factor increases as we keep on approaching a file-based way. To find simple data using the existing approach we possibly make us drive through the hell lot of other stuff. To retrieve some information from the files we need to great stuff of coding.

Similarly, there are many such issues that we face while using these old file-based approaches. So our project just eradicates such difficulties and makes it highly user friendly. Dbms takes a small amount of part of the storage. It is made in such a way that it can be handled by a single person. Our club management project is literally a great application that can deal with those problems easily. It also has many other benefits over the existing ones such as it can be done while sitting at home, you can easily make various updates and deletes in the application then and there itself. It is a multi affiliated club which nowadays are missing in the various other clubs. Most of all it does reduce the work stuff and stress and makes the running of the club very smooth and without much effort. The use of database management in our project reduces data redundancy and makes it easier to find data whenever required. So it's better and developed way to handle the various information regarding club its various members and other stuff.