# MA COUNTRY CLUB
# DATABASE MANAGEMNT SYSTEM

## CSE 2004 DATABASE MANAGEMENT SYSTEM
## PROJECT REPORT

### SUBMITTED BY-
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## GITHUB REPOSITARY LINK OF THE PROJECT

https://github.com/ayushdhiman101/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 form 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.
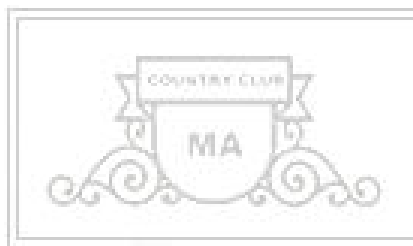
# E-R DIAGRAM
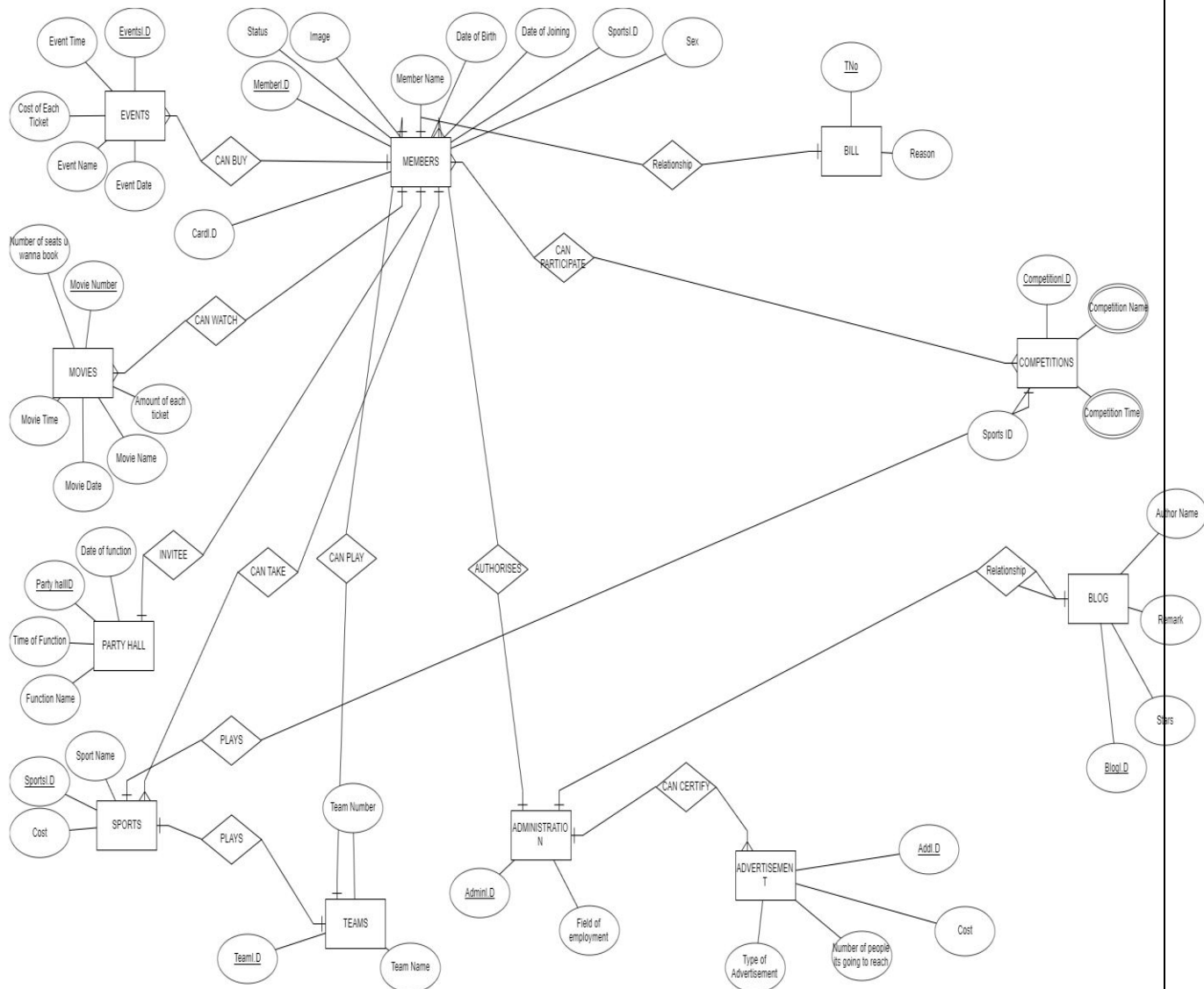


**ENTITIES**:  Members, Events, Movies, Party Hall, Sports, Teams, Administration ,Advertisement ,Blog ,Competition ,Bill.

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

## ATTRIBUTES:

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

2)<u>BILLS-</u>Transaction Number, Reason, MemberI.D.

3)<u>EVENTS</u>-EventI.D, Event_Name, Event_Time, Cost_of_each_ticket, Event_Date, MemberI.D.

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

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

6)<u>SPORTS-</u>Sports Name, SportsI.D, Cost.

7)<u>TEAMS-</u>Team Number, Team I.D, Team Name, MemberI.D, Sports I.D.

8)<u>ADMINISTRATION-</u> AdminI.D, Field of Employment, Name, Member I.D.

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

10)<u>BLOG-</u>Blog I.D, Stars, Remark, Author Name, Admin I.D.

11)<u>COMPETITIONS-</u>Competition Name, Competition I.D, Competition Time, Sports I.D.

# SOFTWARE USED

3 main softwares have been used for the development of the management sysytem namingly-

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 develpoed using 3 main coding languages namely

1)Html5

2)CSS3

3)PHP

4)SQL

# GITHUB REPOSITARY LINK OF THE PROJECT

https://github.com/ayushdhiman101/DBMS-Project/blob/master/Project.zip
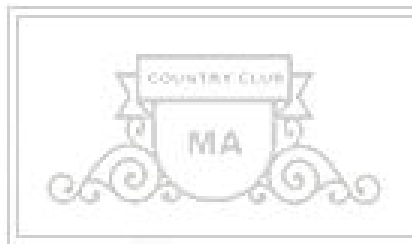
# DESCRIPTION OF WEBPAGES

**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
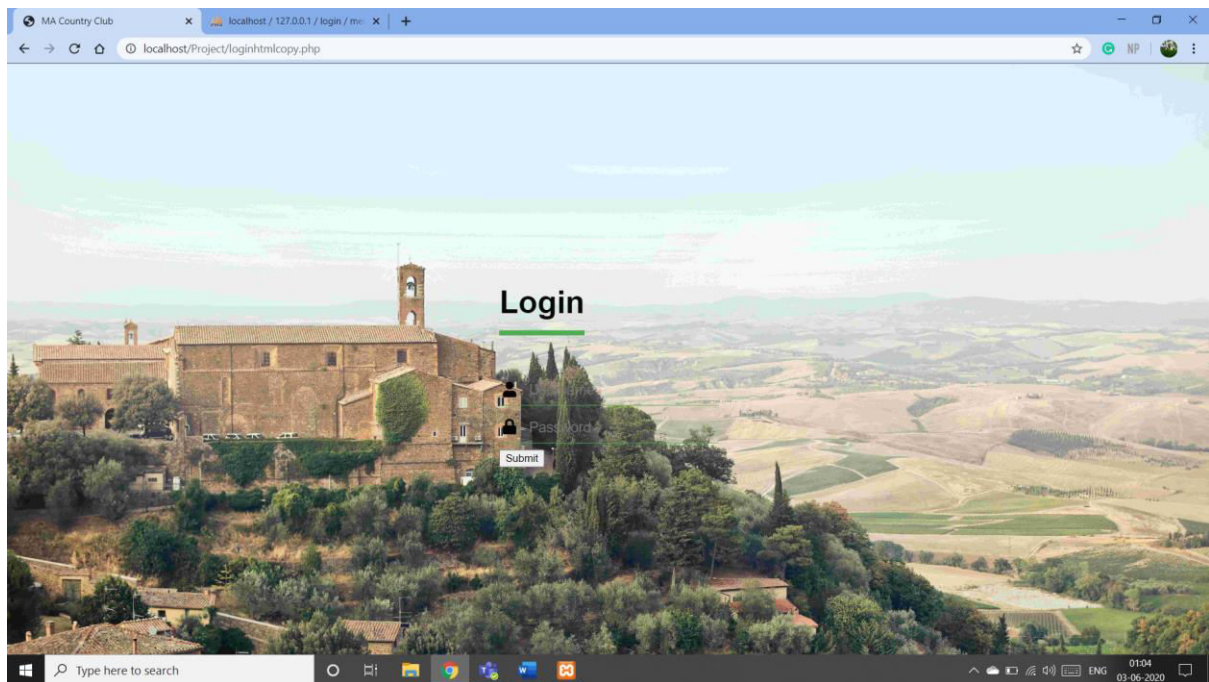


A user-friendly and attractive login page of our website. It asks for a username and password (which are stored in a loginform in phpMyAdmin database).

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
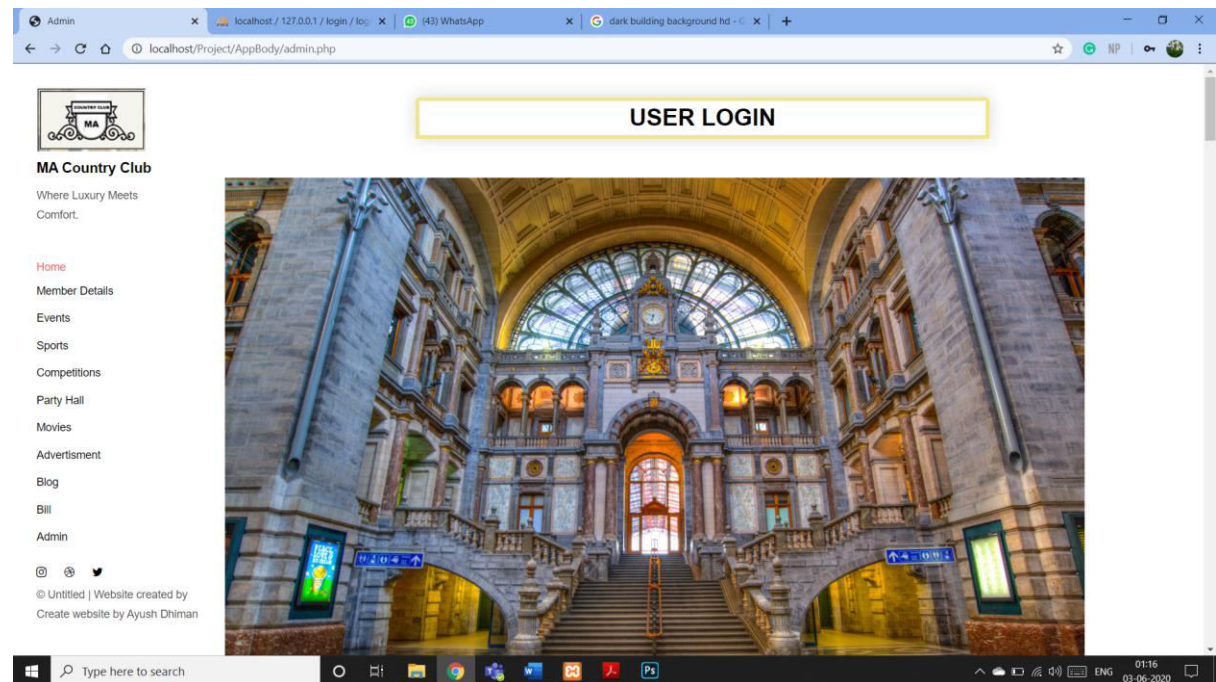


Home page for both user and admin are similar, it consists of series of eye-catching pictures of our prestigious club. Your access level is specified on the top of the home page itself.

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.
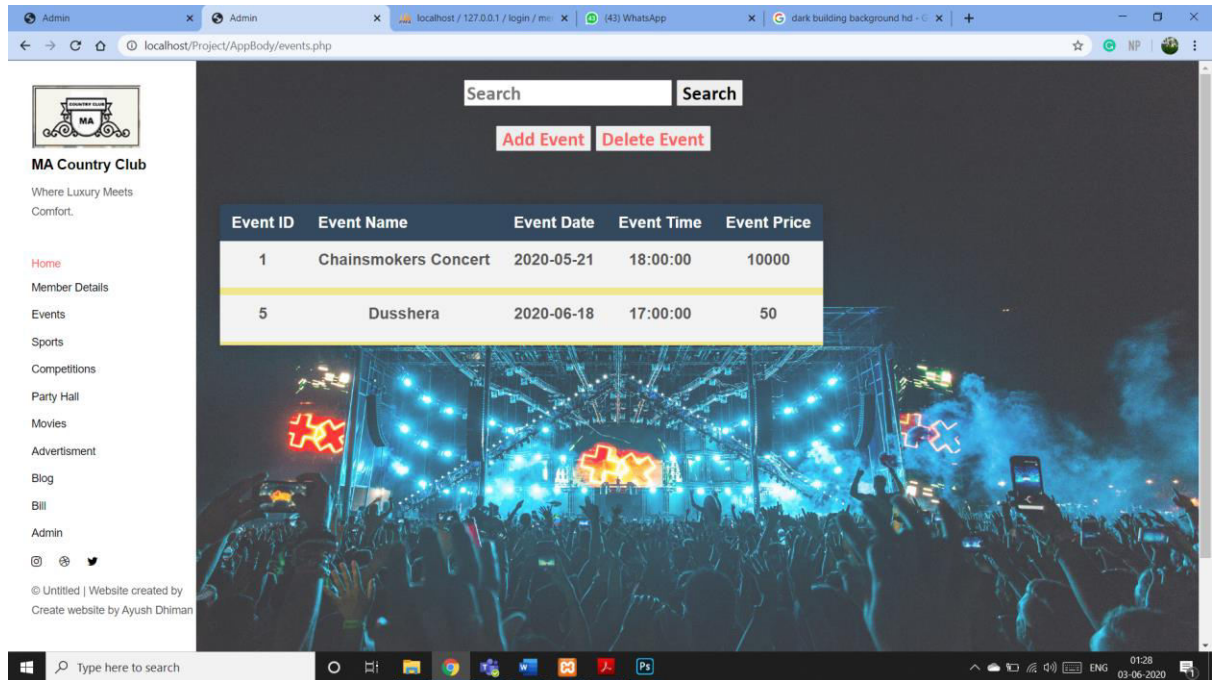


An admin apart from search can, add and delete members of the club from the database with the buttons provided.
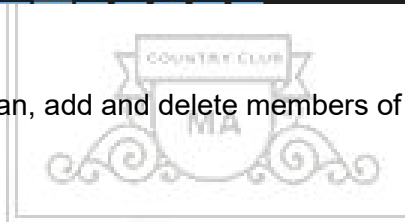
## 4) Events
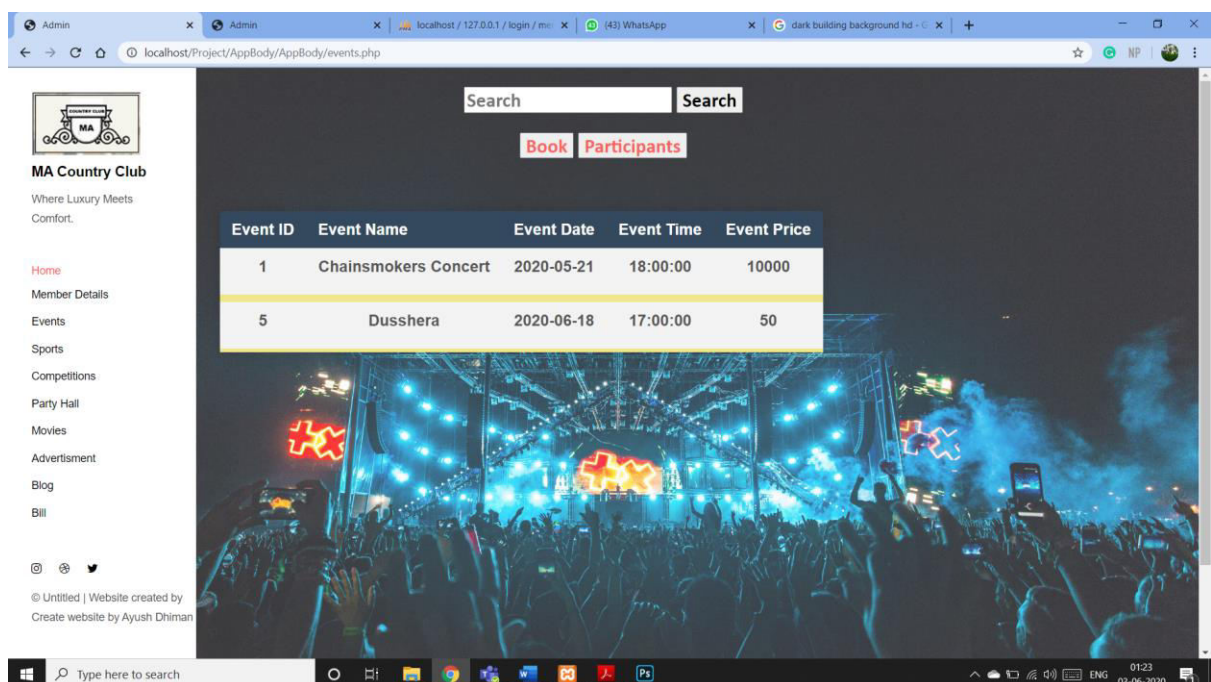
A user can see and search for the details of the events being organised in the club. He/she has the ability to book numerous numbers of tickets of the same by clicking on the BOOK button. When tickets are booked the total amount is automatically added to the bills table. He/she could see the member ids of whoever has booked event tickets for the same.



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
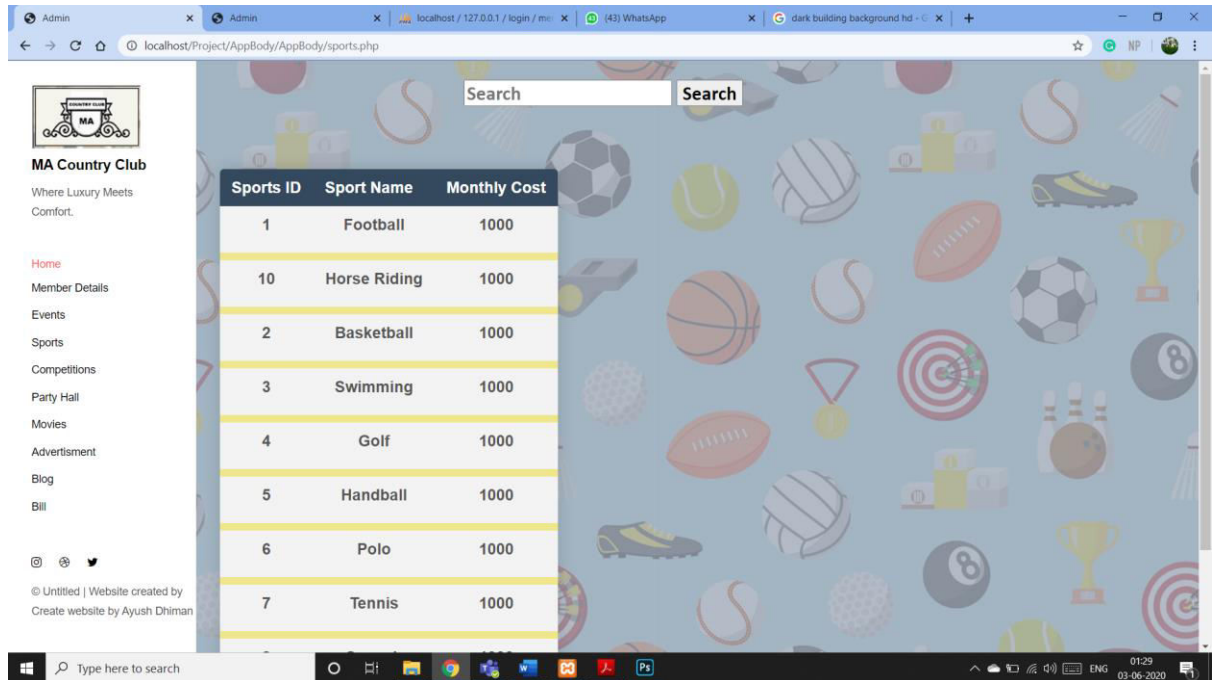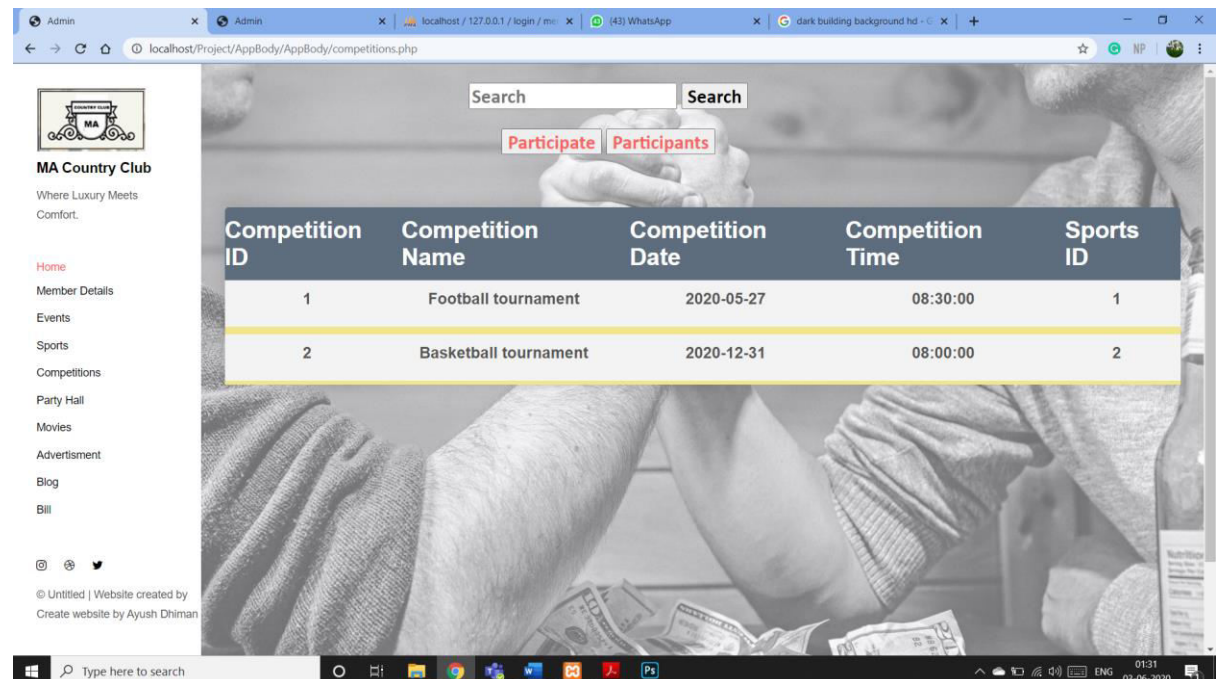


A user can view the details of all the sports facilities that they can avail and utilise in the club.
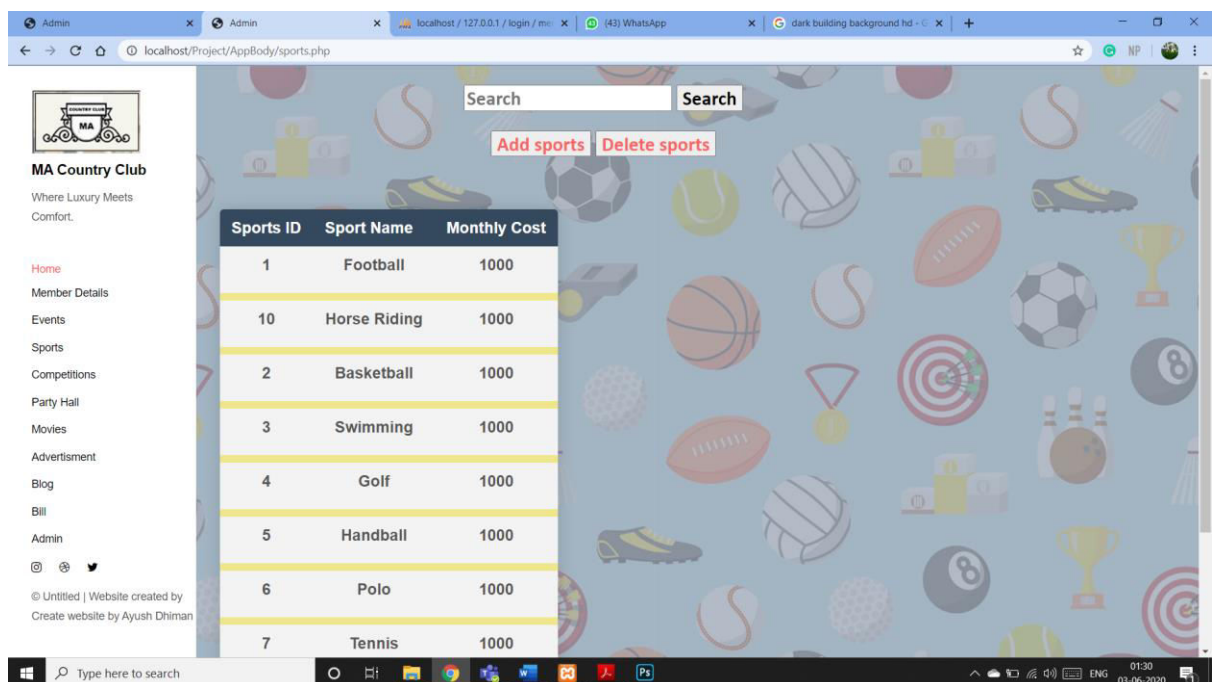


An Admin can add and delete sports available in the club

## 6) Competitions
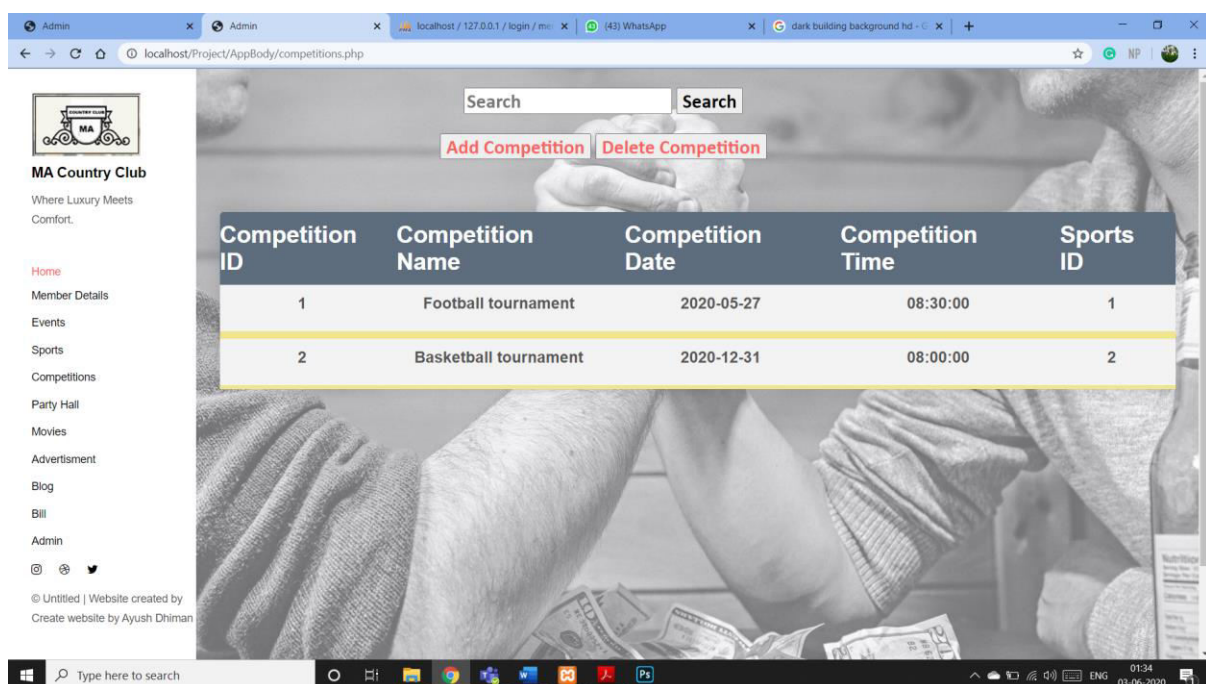


A user can see all the details of the competitions that are being held by the club. He/she can participate in it by clicking on the button. They can see all the various participants that have already booked to take part in it. The competition money chargeable automatically gets added to the captain's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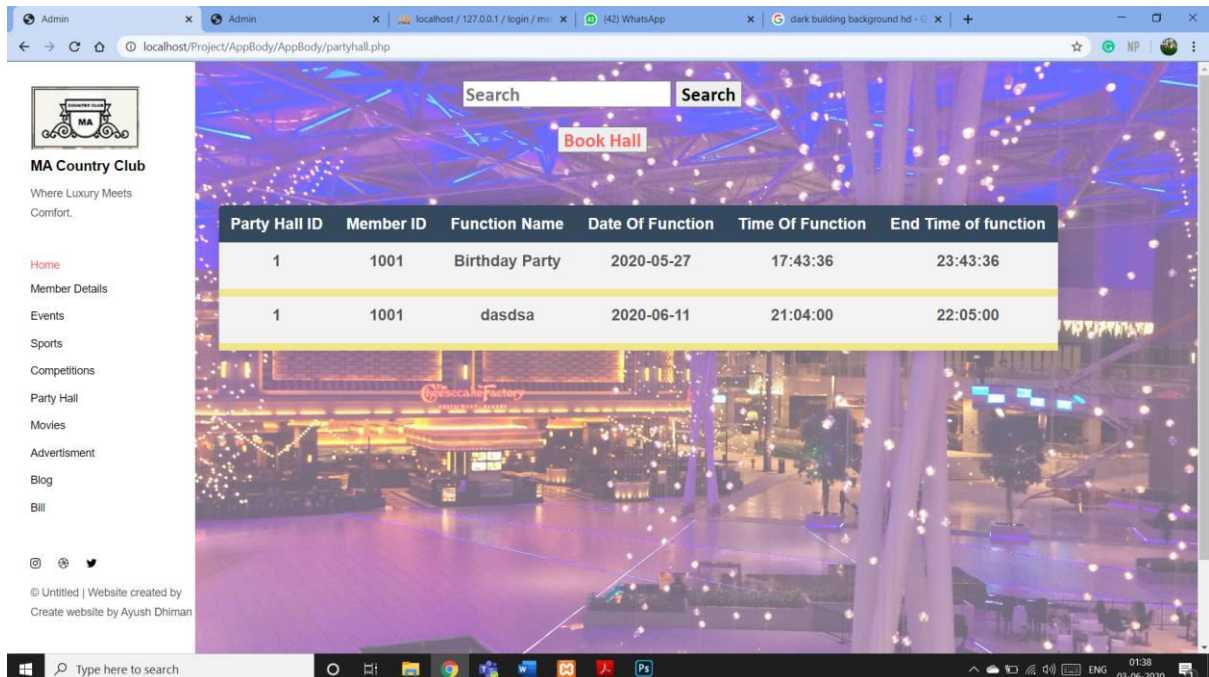


An admin can add and delete the competition details that take place in the club.

## 7) Party Hall
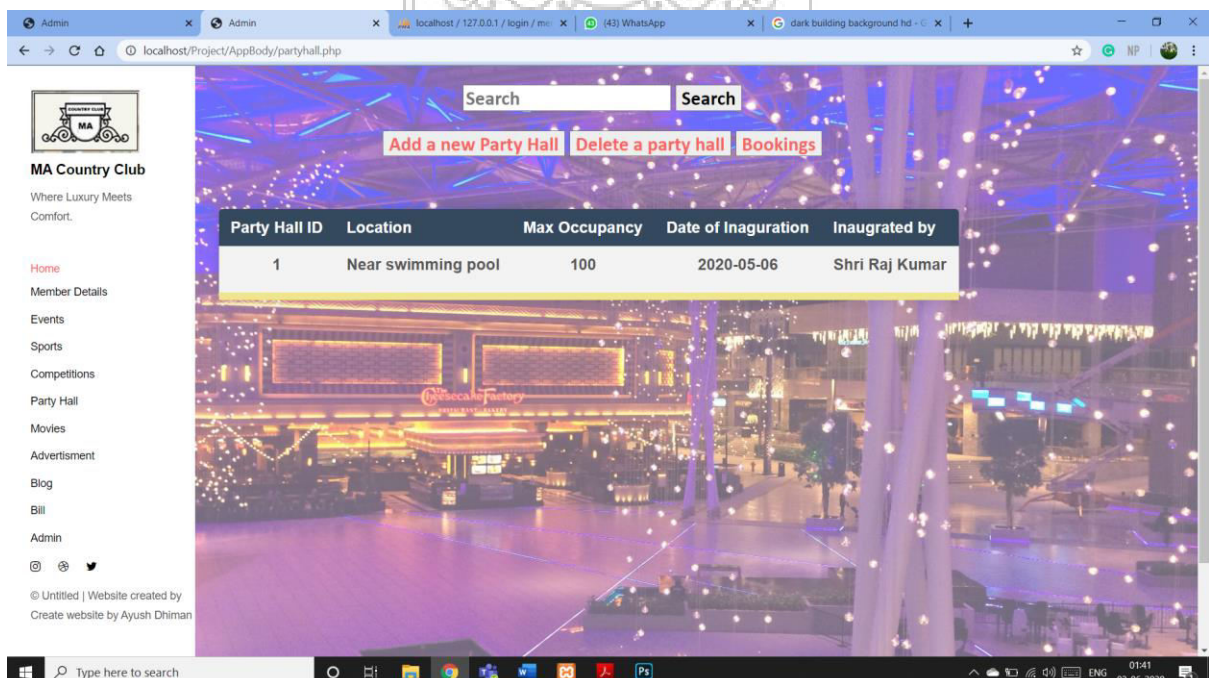


A user can see the bookings made by other members and book the same for the price of rupees 100 per invitee by clicking on the button (Only one function a day (Unique Key)). The bill for the same is added to bills table under that particular member.



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
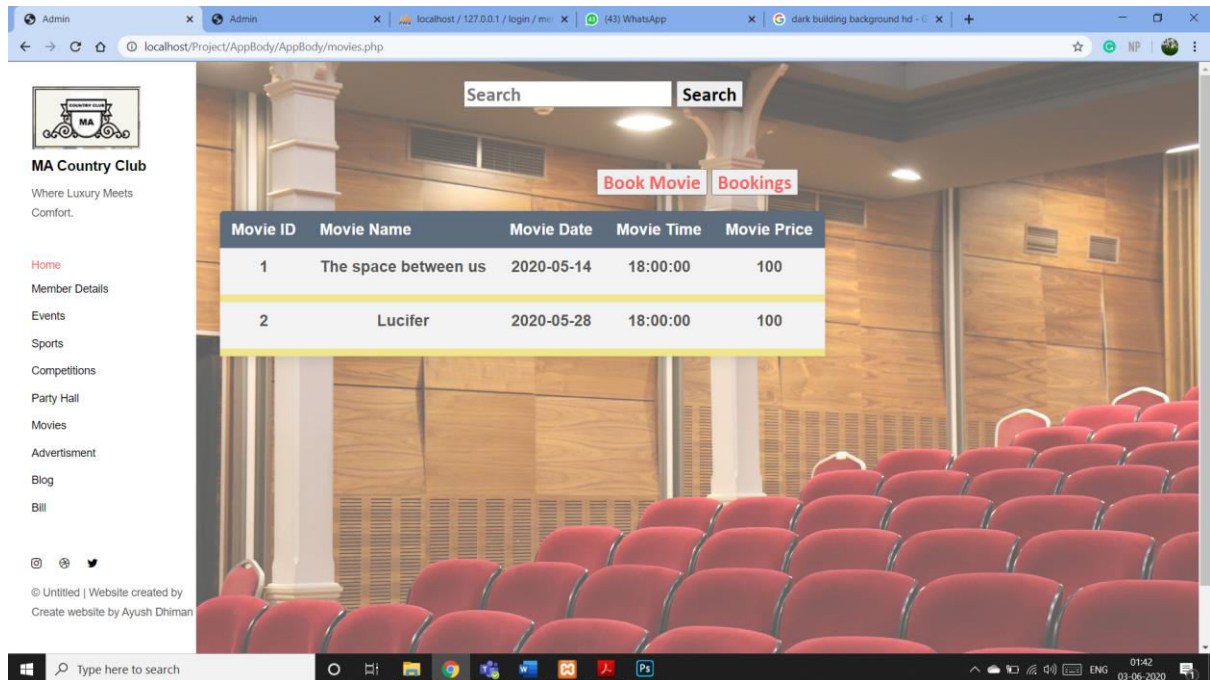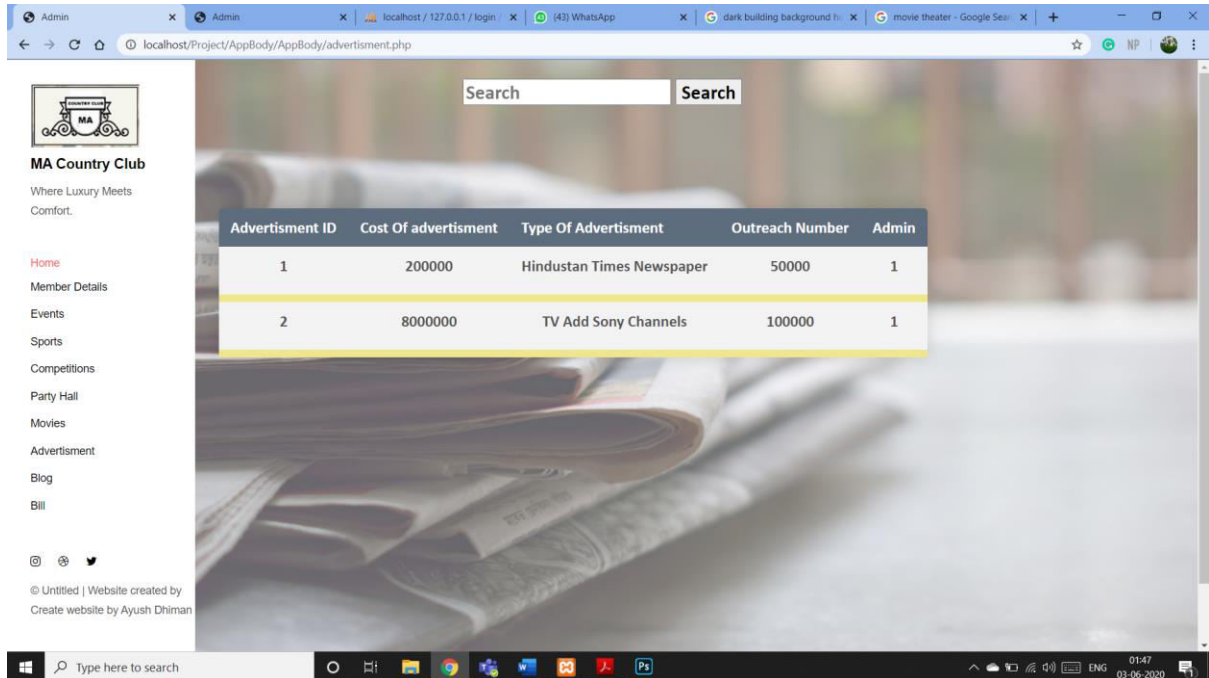


A user can see all the movie details that is being played in the club's movie theatre, they can book a particular movie and buy any number of tickets. The bill for the same will be added to the monthly BILL table
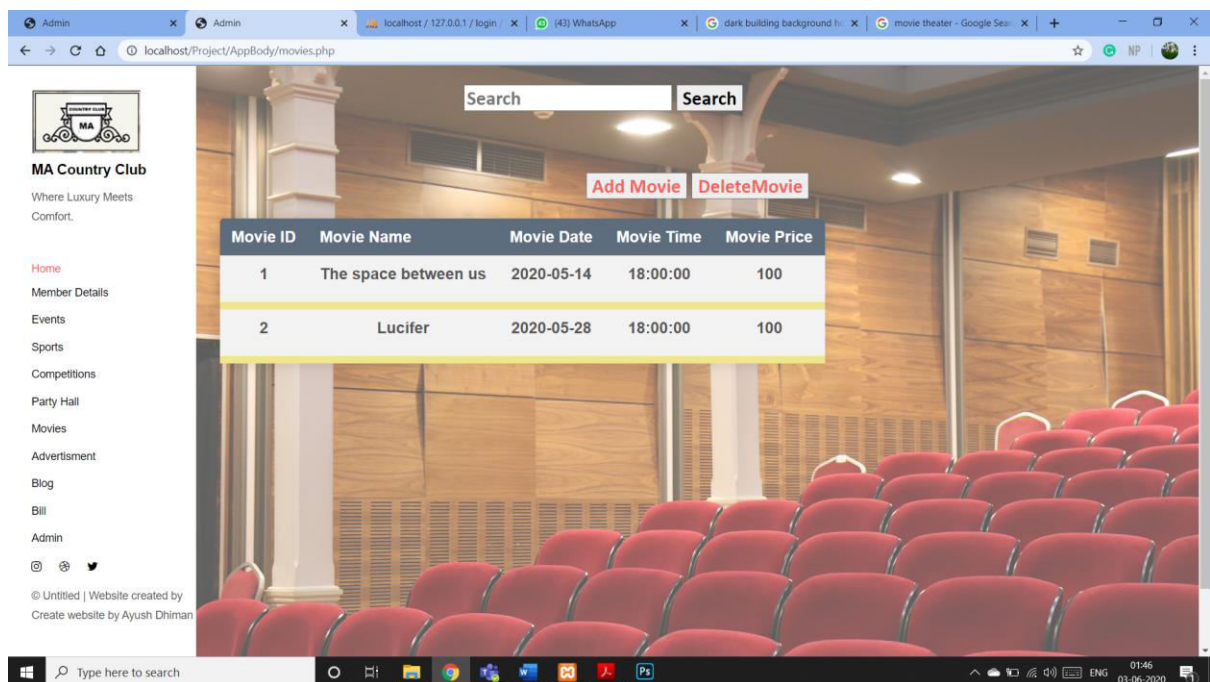


An admin has the ability to add and delete movies data from the club database by clicking on the respective button.

## 9) Advertisment
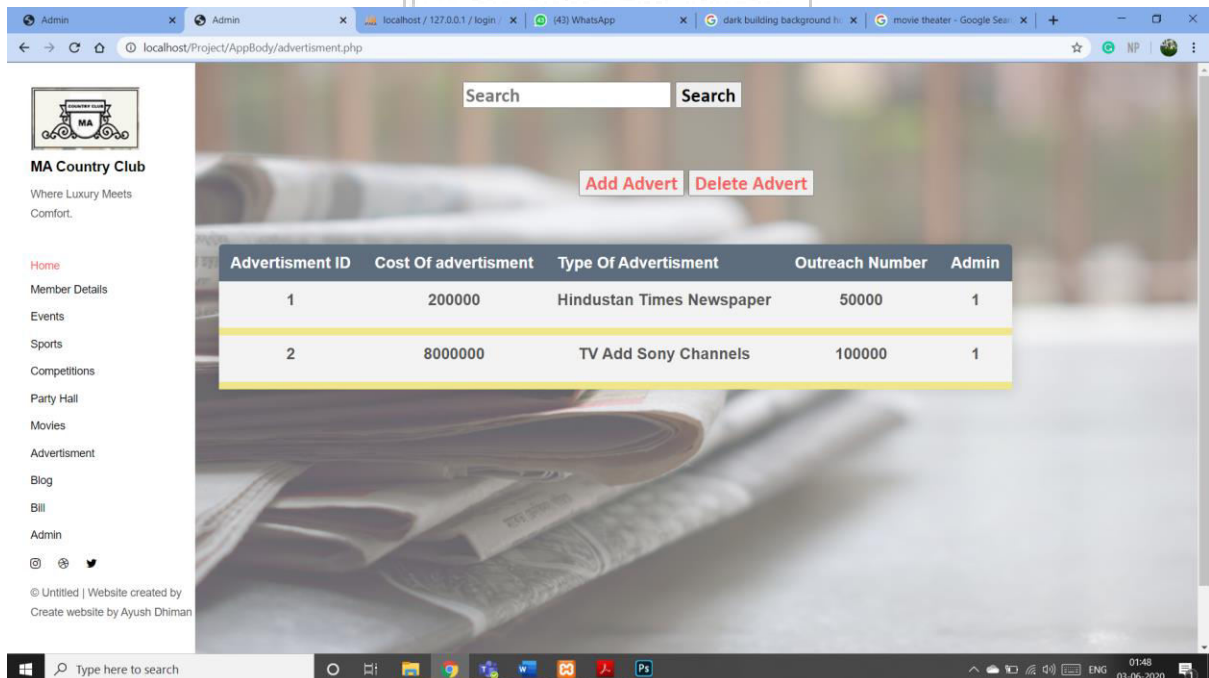


A user can access details of all the advertisement put out in the public through various mediums advertising the club.



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

## 10) Blog
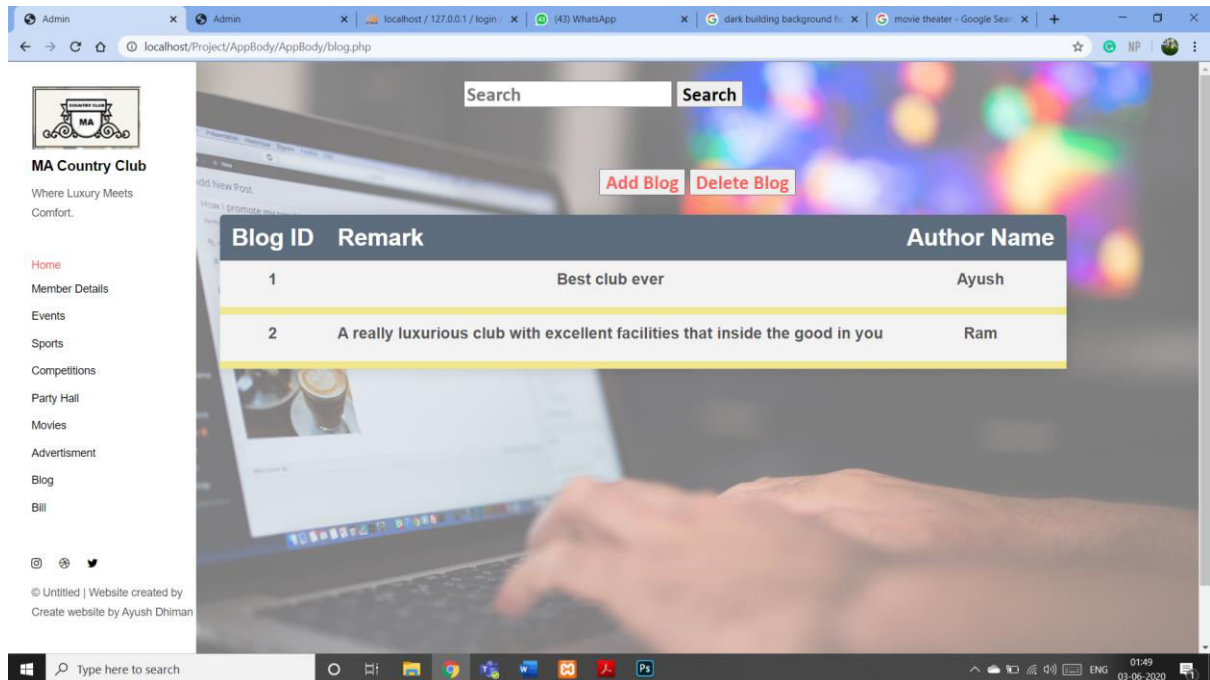


A user and admin both can add and delete blogs on the website about the club and give feedbacks that can be used for the betterment of it. This is a universal platform that can be accessed by non-members also from the main login page.

## 11) Bill



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 payed to the admin either physically or by net banking in admins presence.



An admin can view all the bills of the members and has to ability to clear them after payment has been successfully done in the allocated time period, i.e at the end of each month
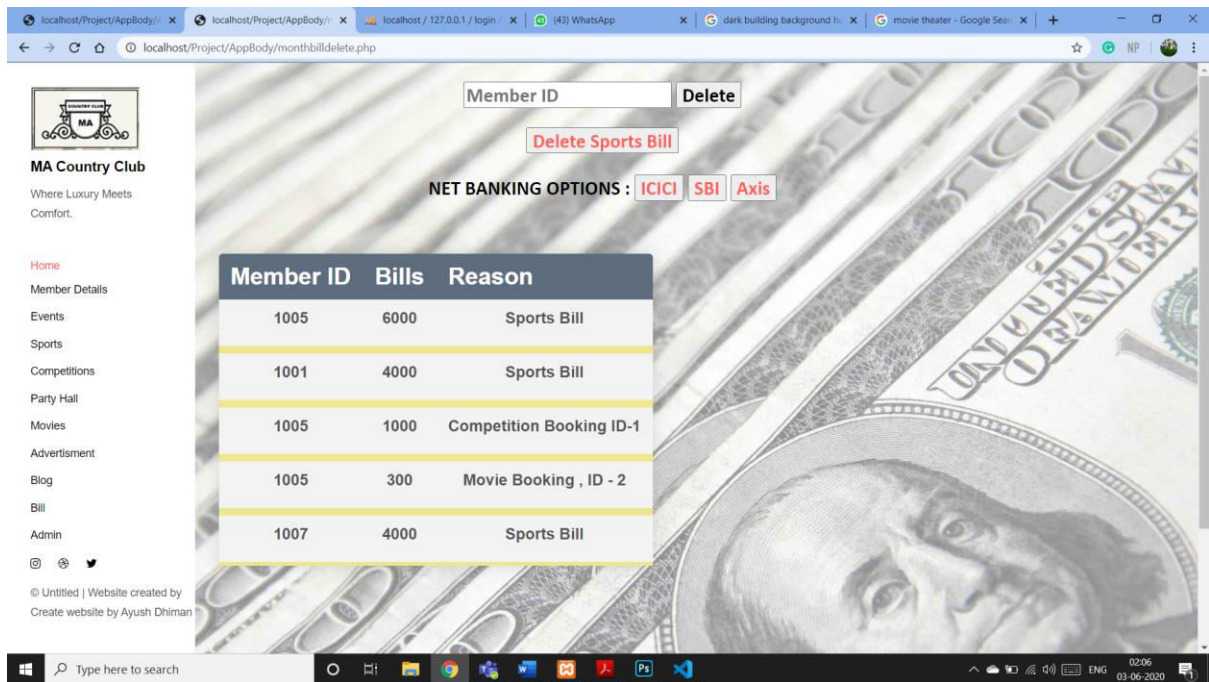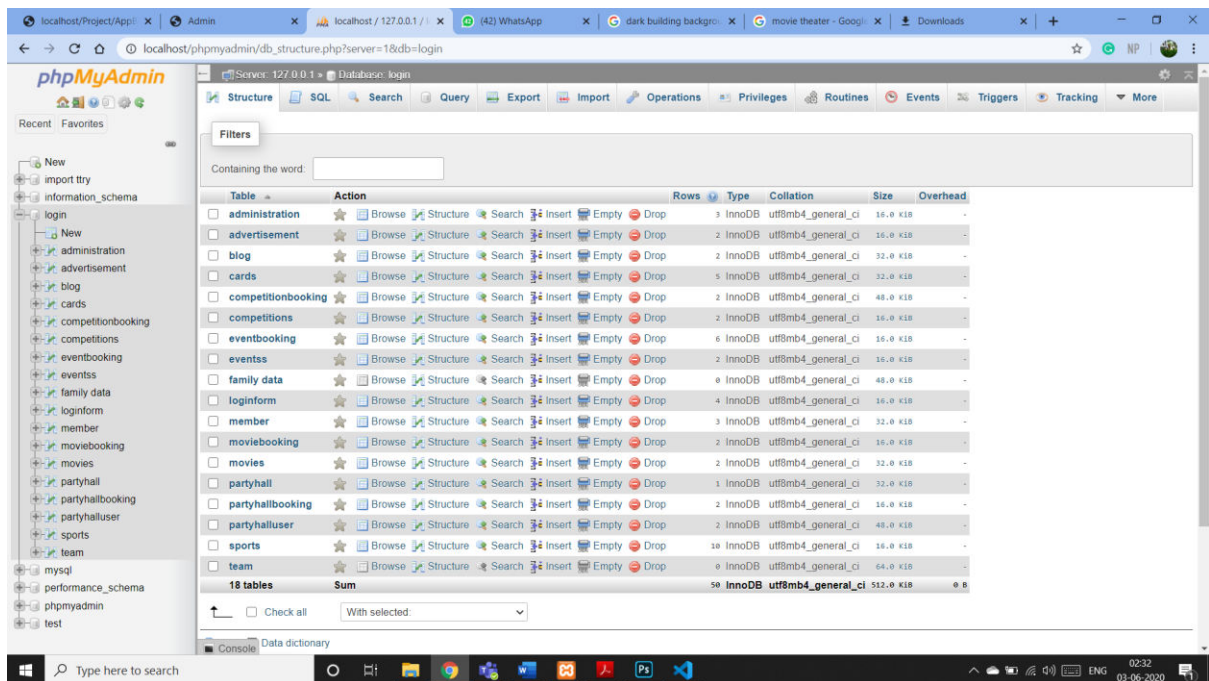
Net banking options are available though it has to be in the presence of admin as the bill has to be cleared towards the end. All bills except the sports bill will be cleared from the system which has to be paid regularly after every month end.

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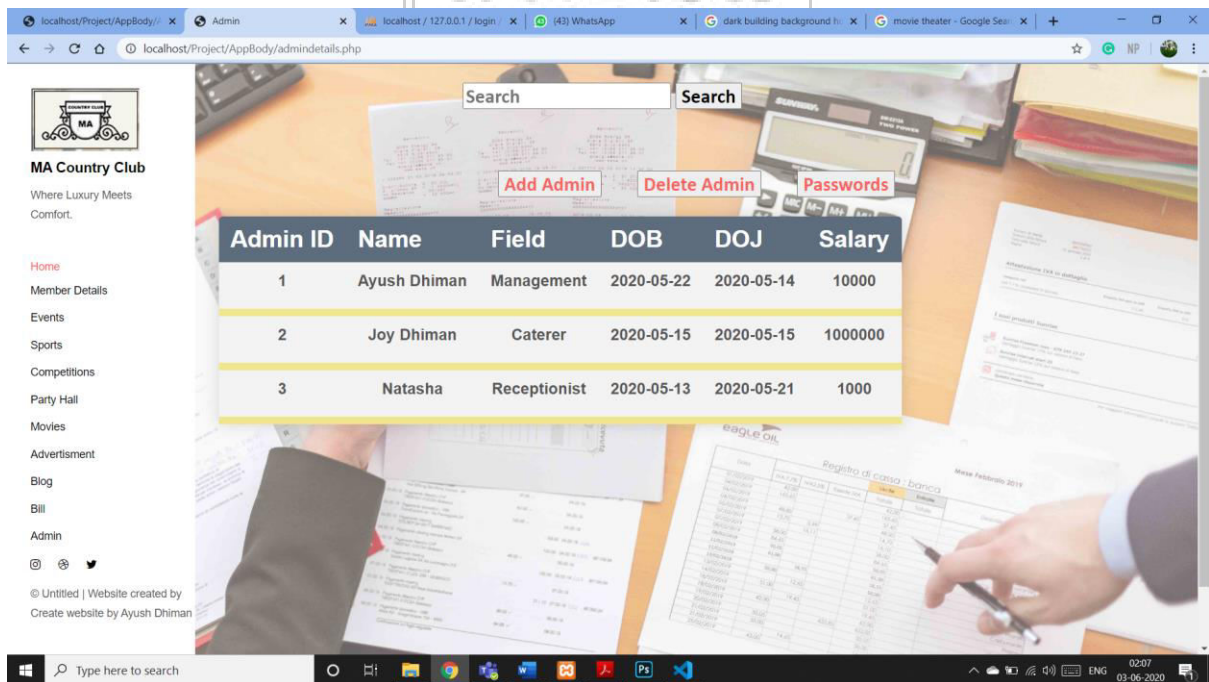


An admin can view all the details of the workers of the club and all the usernames and passwords of the site(user and admin both included)

# BACKEND DATABASE TABLES



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:



## Competition booking table:

## Events table:



## Bill table:

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

## 1) SEARCH AND DISPLAY - PHP / SQL CODE



## 2)DELETE - PHP / SQL CODE

## 3) ADD - PHP / SQL CODE



```php
<h1 style="text-align:center; font-size:25px;font-family: Calibri, Helvetica, sans-serif;" >

<form action="addpartyhall.php" method="POST">

    <input type="text" name="D" placeholder="Location">
    <br>
    <input type="text" name="t" placeholder="Max Occupancy">
    <br>
    <input type="date" name= "E" placeholder="Date of inaguration">
    <br>
    <input type="text" name="F" placeholder="Inaugrated by">
    <br>
    <button type="submit" name="submit">ADD</button>
</form>

<?php

    $Dateoffunctio=$_POST['D'];
    $timeoffunctio=$_POST['t'];
    $Endtimeoffunctio=$_POST['E'];
    $Functionnam=$_POST['F'];
    $sql="INSERT INTO partyhall(Location,Maxoccupancy,Dateofinaguration,Inaugratedby) VALUES('$Dateoffunctio','$timeoffunctio','$Endtimeoffuncti
    mysqli_query($conn,$sql);

?>

</body>
</html>
```
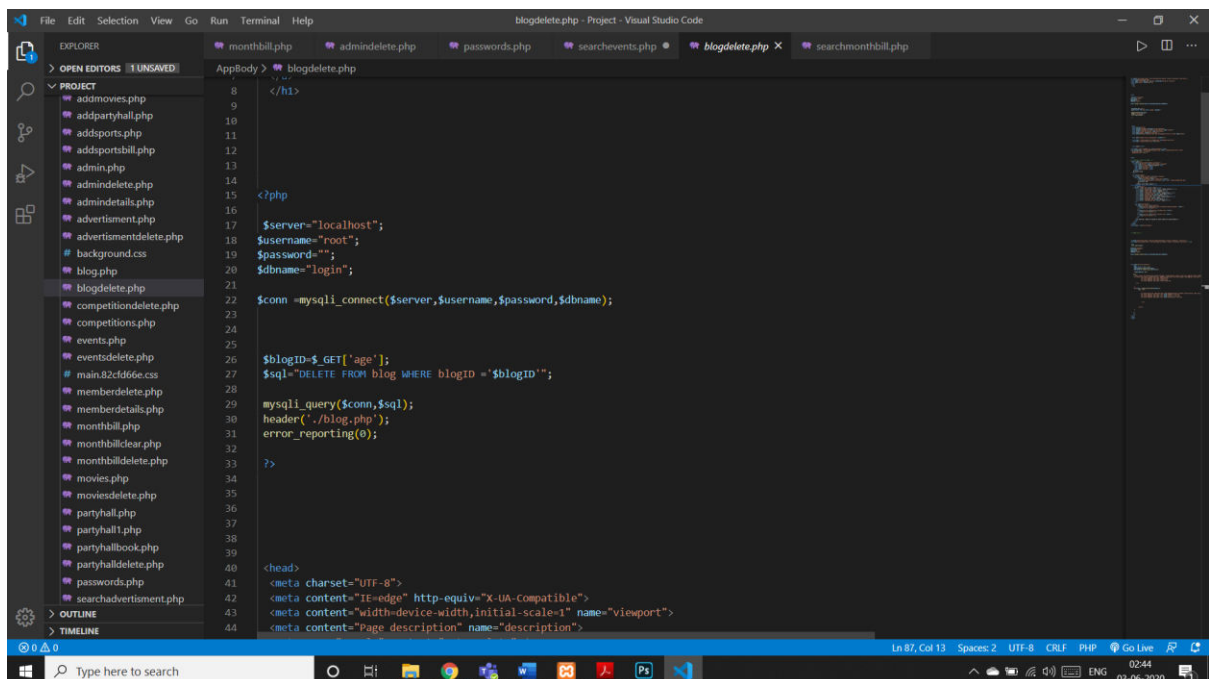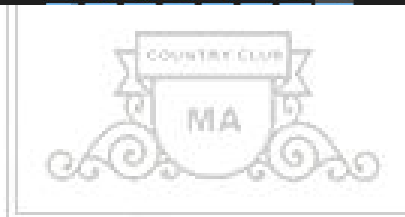
# CONCLUSION

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.