

**Visvesvaraya Technological University**  
**Belgaum, Karnataka- 590014**



**A Mini Project Report On  
“Sports Club Management System”**

**BACHELOR OF ENGINEERING**  
In  
**INFORMATION SCIENCE AND ENGINEERING**

Submitted by

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2021-2022

**Certificate**

This is to certify that the Project Work entitled “Sports Club Management System” is a bonafide work carried out by **Kruthi R Aithal** (1DS19IS052), and **Manasa B** (1DS19IS054) in partial fulfillment for the 5<sup>th</sup> semester Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belgaum during the year 2021 - 2022. The Project Report has been approved as it satisfies the academics prescribed for the Bachelor of Engineering degree.

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1.

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**Kruthi R Aithal (1DS19IS052)**  
**Manasa B (1DS19IS054)**

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## **ABSTRACT**

The project Sports Club Management System creates a software that stores and manages all the data needed to describe the personal data of the members and their framework within an organization. It includes definition of various levels of hierarchy in an organization, the price structure pertaining to every element in this hierarchy, the description of every member functioning in the club and the overall sports club database which integrates all the elements mentioned above.

It has a database administration that has access to the entire database, in regards with viewing and update of information. The exclusive right is implemented using authorized access. Also viewing all data and editing of personal data can be done by any admin, this also using authorized access.

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## **1. INTRODUCTION**

### **1.1 Background**

The Sports Academy is designed to assist development of high performing athletes by establishing individual programmes, learn important information about being a student athlete and developing student led support systems.

Sports Academy is a full-circle facility designed to update the way men, women and youth approach human performance, by creating a multi-platform environment that activates, educates and provides an opportunity for humans to unlock their full potential.

We provide effective, safe and transparent human performance training to develop athletes to the peak of their potential. The Academy enlists diverse experts to support youth, amateur and elite athletes with a full-circle approach that includes body, performance and cognitive training.

The Sports Club Management System project deals with registering new members, plans, payments, routine and managing the members for the club. The project has complete access for the crud operations that are to create, read, update and delete the database entries. At first you need to login as this system is totally controlled by the admin/owner and then register the members for the club and check their health status and view the total income per month. Now you can assign different routine to different members and also check the health status which can be viewed and edited too and finally check the payments according to the plan they have chosen.

The project Sports Club Management System creates a software that stores and manages all the data needed to describe the personal data of the members and their framework within an organization. It includes definition of various levels of hierarchy in an organization, the price structure pertaining to every element in this hierarchy, the description of every member functioning in the club and the overall sports club.

### **1.2 Sports club management database requirements**

The sports club management system is developed on Php language using the MySQL database. In this project, there are two modules first one is admin, and the second one is the user. The admin module is where admin manages all the functions related to the user registration, sports

plan, routines, renewal of plans and health status of the members. Here admin is the most important part of this sports club management system because he manages all the events and schedules time of the sports club. He manages all the workers who relate to the sports club management system.

There is no facility for a guest login or a user login. All functions are carried out by the admin himself.

## **2.ER DIAGRAM AND RELATIONAL SCHEMA DIAGRAM**

### **2.1 ER Diagram and description**

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is an object, a component of data. An entity set is a collection of similar entities. These entities can have attributes that define its properties.

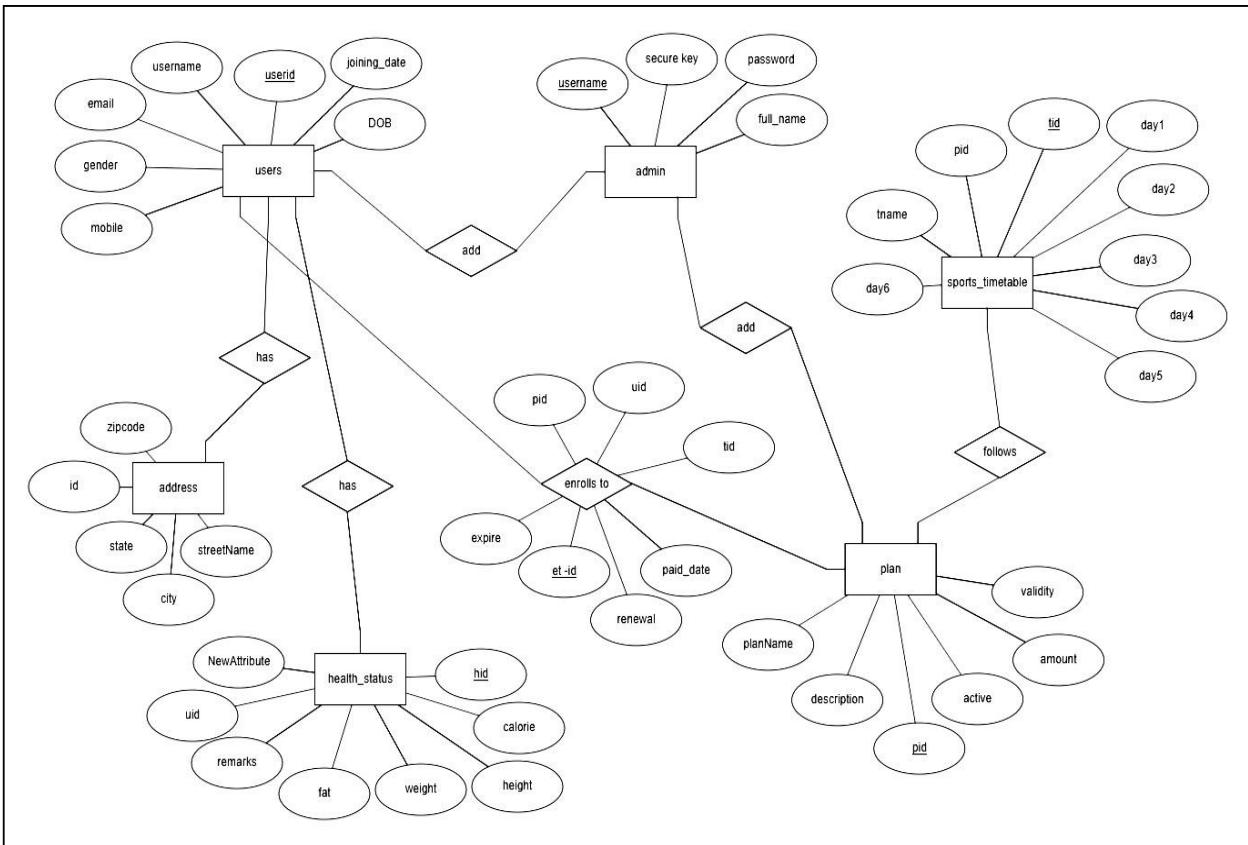


Fig 2.1.1 : E R Diagram

## 2.2 Relational Schema Diagram

### 2.2.1 Schema

admin

username	pass_key	securekey	Full_name
----------	----------	-----------	-----------

log\_users

id	users_userid	action	cdate
----	--------------	--------	-------

users

userid	username	gender	mobile	email	dob	joining_date
--------	----------	--------	--------	-------	-----	--------------

health\_status

hid	calorie	height	weight	fat	remarks	uid
-----	---------	--------	--------	-----	---------	-----

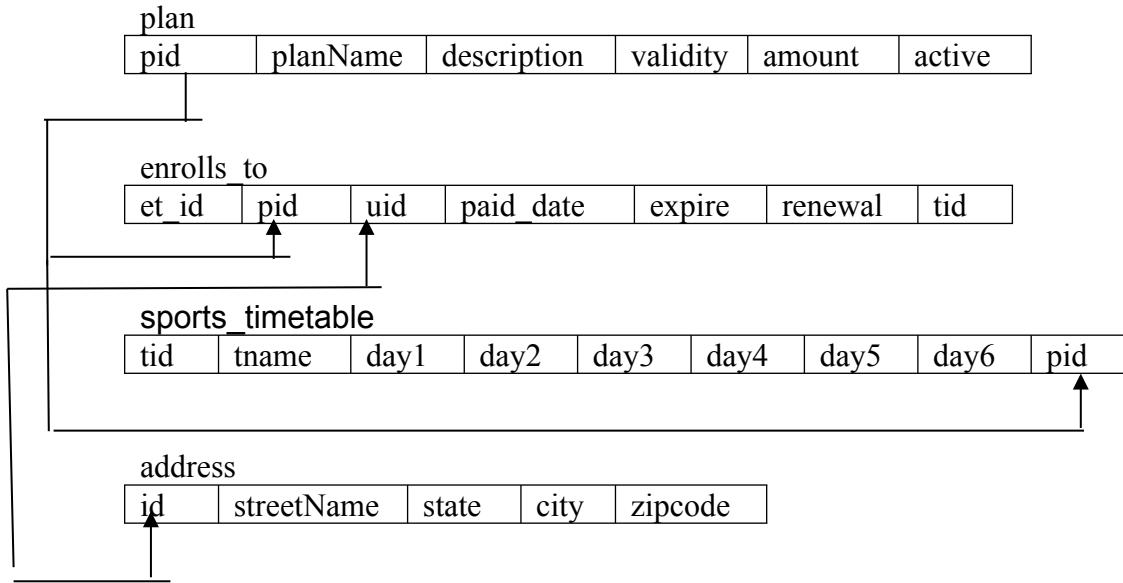


Fig 2.2.1 Schema Diagram

### 2.2.3 Schema Description

A relational schema shows references among fields in the database. When a primary key is referenced in another table in the database, it is called a foreign key. This is denoted by an arrow with the head pointing to the referenced key attribute. A schema diagram helps organize values in the database. It also gives an idea of what order the tables should be created in.

## 3. SYSTEM DESIGN

### 3.1 Table Description

#### Admin

Sl no	Name	Type	Description
1	username	varchar()	stores the username of admin
2	pass_key	varchar()	stores password of the admin

3	securekey	varchar()	stores the key which allows admin to login to the database system
4	full_name	varchar()	stores the name of the admin

### **Log\_users**

Sl no	Name	Type	Description
1	id	int	stores the serial number
2	users_userid	int	stores the userid of the registered members
3	action	varchar	stores the actions performed by triggers
4	cdate	datetime	stores the date and time at which the insert/update/delete operations are performed

### **Users**

Sl no	Name	Type	Description
1	userid	varchar	stores the userid of registered members
2	username	varchar	stores the username of registered person
3	gender	varchar	stores the gender of registered person
4	mobile	varchar	stores the phone number of registered person
5	email	varchar	stores the email id of registered person
6	dob	varchar	stores the date of birth of registered person
7	joining_date	varchar	stores the joining date of registered

			person
--	--	--	--------

### **Health\_status**

Sl no	Name	Type	Description
1	hid	int	stores the serial number
2	calorie	varchar	stores the calories burnt by the trainee
3	height	varchar	stores the height of the trainee
4	weight	varchar	stores the weight of the trainee
5	fat	varchar	stores the fat percentage of trainee
6	remarks	varchar	stores the health status of trainee
7	uid	varchar	stores the userid of the trainee

### **Plan**

Sl no	Name	Type	Description
1	pid	varchar	stores the unique plan id of a sport
2	planName	varchar	stores the name of the sport
3	description	varchar	stores the description of the plan
4	validity	varchar	stores the plan validity
5	amount	int	stores the fee of the plan
6	active	varchar	stores yes if the plan is active

### **Enrolls\_to**

Sl no	Name	Type	Description
1	et_id	int	stores the serial number
2	pid	varchar	stores the plan id
3	uid	varchar	stores the userid
4	paid_date	varchar	stores the date at which the fee is paid
5	expire	varchar	stores the expiry date of the sports plan
6	renewal	varchar	stores yes if plan is active

### **Sports\_timetable**

Sl no	Name	Type	Description
1	tid	int	stores the serial number
2	tname	varchar	stores the sport name
3	day1	varchar	stores the schedule of day1
4	day2	varchar	stores the schedule of day2
5	day3	varchar	stores the schedule of day3
6	day4	varchar	stores the schedule of day4
7	day5	varchar	stores the schedule of day5
8	day6	varchar	stores the schedule of day6

9	pid	varchar	stores the plan id
---	-----	---------	--------------------

## Address

Sl no	Name	Type	Description
1	id	varchar	stores the userid
2	streetName	varchar	stores the street name of registered member
3	state	varchar	stores the state to which registered member belong to
4	city	varchar	stores the city name
5	zipcode	varchar	stores the zip code

## 4. IMPLEMENTATION

### 4.1 Front-end Development

#### 4.1.1 Hyper Text Markup Language

HTML5 is a mark-up language used for structuring and presenting content on the World Wide Web. It is the fifth and current major version of the HTML standard. HTML5 includes detail processing models to encourage more interoperable implementations, it extends, improves and rationalizes the mark-up available for documents and introduces mark-up and application programming interfaces (APIs) for Complex Web applications. For the same reasons, HTML5 is also a candidate for Cross platform mobile applications because it includes features design with low power devices in mind.

#### 4.1.2 Cascading Style Sheet

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation

of a document written in a mark-up language like HTML5.

#### **4.1.3 JavaScript**

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

### **4.2 Back-end Development**

#### **4.2.1 Back-end Language- PHP**

PHP is the server-side scripting language designed primarily for web development but also used as a general-purpose programming language. PHP code may be embedded into HTML and HTML5 markup, or it can be used in combination with various web template systems, web content systems management and web Framework.

#### **4.2.2 Web Server- APACHE**

Web servers are used to serve Web pages requested by client computers. Apache is the most widely used web server software. Apache is the web server that processes requests and serves web assets and content via HTTP. Clients typically request and view Web pages using Web browser applications such as Firefox, Opera, Chromium, or Internet Explorer.

As a Web server, Apache is responsible for accepting directory (HTTP) requests from Internet users and sending them their desired information in the form of files and Web pages

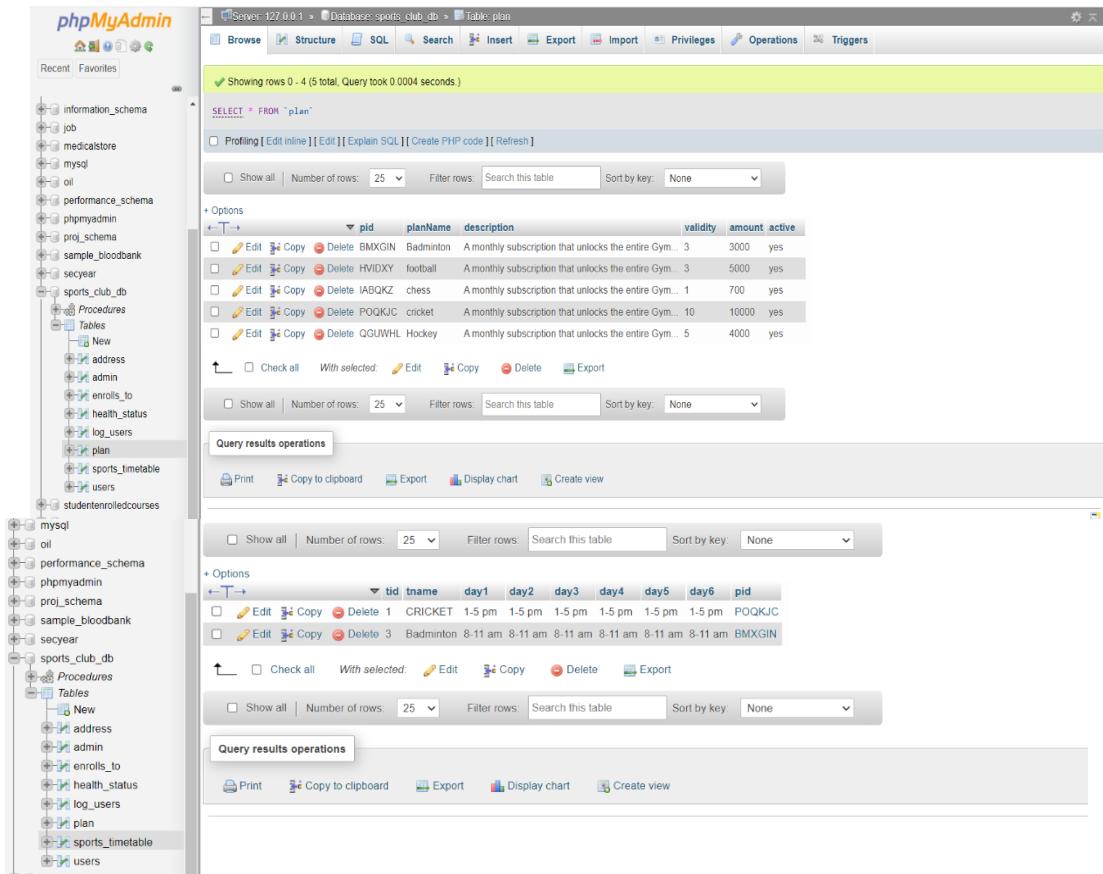
#### **4.2.3 Database- MySQL**

MySQL Database Management System is used to store the user and product information which is stored in the secondary storage device and can be altered any time. Normalized and efficient schema is used to avoid redundancy and inconsistency. The data is updated in real time.

#### **4.3 Insertion of records in the database**

## Syntax:

```
INSERT INTO table_name  
VALUES (value1, value2, value3, ...);
```



**phpMyAdmin**

Server: 127.0.0.1 > Database: sports\_club\_db > Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 6 (7 total). Query took 0.0005 seconds.

SELECT \* FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	userid	username	gender	mobile	email	dob	joining_date
<input type="checkbox"/>	1642769453	swathi	Female	9796959493	swathi@gmail.com	2000-08-05	2022-01-21
<input type="checkbox"/>	1642787791	Manasa	Female	8088277723	manasa@gmail.com	2002-03-28	2022-01-02
<input type="checkbox"/>	1642787912	Kruthi R	Female	9988776555	kruthi@gmail.com	2001-05-02	2022-12-01
<input type="checkbox"/>	1642788015	Dev	Male	9876543210	dev@gmail.com	2000-04-23	2020-11-30
<input type="checkbox"/>	1642788100	Zayn	Male	9987654321	zayn@gmail.com	2022-09-12	2021-09-23
<input type="checkbox"/>	1642788187	Harry	Male	9877665544	harry@gmail.com	2000-01-09	2022-01-21
<input type="checkbox"/>	1642788311	Louis	Male	9898774605	louis@gmail.com	2004-03-12	2003-11-06

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

**phpMyAdmin**

Server: 127.0.0.1 > Database: sports\_club\_db > Table: admin

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 0 (1 total). Query took 0.0005 seconds.

SELECT \* FROM `admin`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options

	username	pass_key	securekey	Full_name
<input type="checkbox"/>	admin1	admin1	admin1	Sports Club

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

**phpMyAdmin**

Server: 127.0.0.1 > Database: sports\_club\_db > Table: enrolls\_to

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 8 (9 total). Query took 0.0005 seconds.

SELECT \* FROM `enrolls\_to`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	et_id	pid	uid	paid_date	expire	renewal
<input type="checkbox"/>	6	POQKJC	1642769453	2022-01-21	2022-02-21	yes
<input type="checkbox"/>	7	BMXGIN	1642787791	2022-01-21	2022-04-21	no
<input type="checkbox"/>	8	QGUWHL	1642787912	2022-01-21	2022-06-21	no
<input type="checkbox"/>	9	POQKJC	1642788015	2022-01-21	2022-11-21	yes
<input type="checkbox"/>	10	HVIDXY	1642788100	2022-01-21	2022-04-21	yes
<input type="checkbox"/>	11	QGUWHL	1642788187	2022-01-21	2022-06-21	yes
<input type="checkbox"/>	12	POQKJC	1642788311	2022-01-21	2022-11-21	yes
<input type="checkbox"/>	13	BMXGIN	1642787791	2022-01-21	2022-04-21	yes
<input type="checkbox"/>	14	QGUWHL	1642787912	2022-01-21	2022-06-21	yes

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

phpMyAdmin

Server: 127.0.0.1 > Database: sports\_club\_db > Table: address

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 6 (7 total). Query took 0.0005 seconds.

SELECT \* FROM `address`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Options

<input type="checkbox"/>	<b>id</b>	<b>streetName</b>	<b>state</b>	<b>city</b>	<b>zipcode</b>
	1642769453	jp nager	kamataka	banglore	560078
	1642787791	Teachers colony	kamataka	banglore	560078
	1642787912	jp nager 5th phase	kamataka	banglore	560078
	1642788015	Jayanagar	Karnataka	Banglore	560078
	1642788100	Shivaginagar	kamataka	banglore	560078
	1642788187	Banshanki	kamataka	banglore	560078
	1642788311	RR nagar	Karnataka	Banglore	560078

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

phpMyAdmin

Server: 127.0.0.1 > Database: sports\_club\_db > Table: health\_status

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 6 (7 total). Query took 0.0005 seconds.

SELECT \* FROM `health\_status`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Options

<input type="checkbox"/>	<b>hid</b>	<b>calorie</b>	<b>height</b>	<b>weight</b>	<b>fat</b>	<b>remarks</b>	<b>uid</b>
	6	150	5.4	65	15%	170/200	1642769453
	7	150	5.4	65	15%	170/200	1642787791
	8	140	5.4	65	15%	170/200	1642787912
	9	200	5.6	65	14%	190/200	1642788015
	10	150	5.6	68	16%	178/200	1642788100
	11	200	5.6	70	14%	195/200	1642788187
	12	180	5.8	70	14%	185/200	1642788311

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

<input type="checkbox"/>	Edit	Copy	Delete	7	1529336794	deleted	2022-01-21 23:26:01
<input type="checkbox"/>	Edit	Copy	Delete	8	1642787791	inserted	2022-01-21 23:28:30
<input type="checkbox"/>	Edit	Copy	Delete	9	1642787912	inserted	2022-01-21 23:30:11
<input type="checkbox"/>	Edit	Copy	Delete	10	1642788015	inserted	2022-01-21 23:31:38
<input type="checkbox"/>	Edit	Copy	Delete	11	1642788100	inserted	2022-01-21 23:33:03
<input type="checkbox"/>	Edit	Copy	Delete	12	1642788187	inserted	2022-01-21 23:35:10
<input type="checkbox"/>	Edit	Copy	Delete	13	1642788311	inserted	2022-01-21 23:36:21
<input type="checkbox"/>	Edit	Copy	Delete	14	1642787912	updated	2022-01-21 23:54:05

Console Check all With selected: Edit Copy Delete Export

## 4.4 NORMALIZATION

### 4.4.1 First Normal Form (1NF)

For a table to be in the First Normal Form, it should follow the following 4 rules:

- It should only have single(atomic) valued attributes/columns.
- Values stored in a column should be of the same domain
- All the columns in a table should have unique names.
- And the order in which data is stored, does not matter.

#### **4.4.2 Second Normal Form (2NF)**

For a table to be in the Second Normal Form,

- It should be in the First Normal form.
- And, it should not have Partial Dependency.

#### **4.4.3 Third Normal Form (3NF)**

A table is said to be in the Third Normal Form when,

- It is in the Second Normal form.
- And, it doesn't have Transitive Dependency.

**NOTE:** The tables in our project are normalized until 3NF

## **5. STORED PROCEDURE**

A stored procedure provides an important layer of security between the user interface and the database. It supports security through data access controls because end users may enter or change data, but do not write procedures. It improves productivity because statements in a stored procedure only must be written once.

DELIMITER \$\$

```
CREATE DEFINER='root'@'localhost' PROCEDURE `countGender`()
```

```
SELECT gender , COUNT(*) from users group by gender$$
```

```
DELIMITER ;
```

## 6. TRIGGERS

A SQL trigger is a database object which fires when an event occurs in a database. We can execute a SQL query that will "do something" in a database when a change occurs on a database table such as a record is inserted or updated or deleted.

```
CREATE TRIGGER `deletelog` BEFORE DELETE ON `users`  
FOR EACH ROW insert into log_users values(null,old.userid,'deleted',now())
```

```
CREATE TRIGGER `insertlog` AFTER INSERT ON `users`  
FOR EACH ROW INSERT INTO log_users VALUES(null,NEW.userid,'inserted',now())
```

```
CREATE TRIGGER `updatelog` AFTER UPDATE ON `users`  
FOR EACH ROW insert INTO log_users values(null,new.userid,'updated',now())
```

## 7. DISCUSSION OF CODE SEGMENT

The whole project development was divided into two parts, the front-end development and the backend development. The front-end development was creating the Sports Club website with user-friendly interface. The backend development was to access the database stored on the server side and updating the same. In this project, MySQL is used as the backend database. We have used HTML, CSS, JavaScript, Bootstrap for the front-end implementation. Next, PHP is used as server scripting language to access the database and update it.

The project is run on a local machine with the help of XAMPP application which provides Apache HTTP server and MySQL as the backend database. The database is accessed and updated using the MySQL queries in PHP scripts. The MySQL queries used to implement the project include SELECT, INSERT, DELETE, UPDATE and JOIN.

## 8.RESULTS / SNAPSHOTS



Fig 8.1 : Dashboard

The screenshot shows a browser window displaying the "New Registration" form. The URL in the address bar is "localhost / 127.0.0.1 / sports\_club / SPORTS CLUB | New User". The page title is "New Registration".

The form is titled "NEW ENTRY" and contains the following fields:

MEMBERSHIP ID:	1642790028
NAME:	<input type="text"/>
STREET NAME:	<input type="text"/>
CITY:	<input type="text"/>
ZIPCODE:	<input type="text"/>
STATE:	<input type="text"/>
GENDER:	<select>--Please Select--</select>
DATE OF BIRTH:	<input type="text"/> dd-mm-yyyy
PHONE NO:	<input type="text"/>
EMAIL ID:	<input type="text"/>
JOINING DATE:	<input type="text"/> dd-mm-yyyy
SPORTS PLAN:	<select>--Please Select--</select>

At the bottom of the form are two buttons: "Register" and "Reset".

Fig 8.2 : New member registration

The screenshot shows a web application titled "SPORTS CLUB | Member View". On the left is a sidebar with a logo and links: Dashboard, New Registration, Payments, Members (selected), Health Status, Sports Plan, Overview, Sports Routine, Profile, and Logout. The main content area is titled "Edit Member" and displays a table of member information. The table has columns: Sl.No, Membership Expiry, Member ID, Name, Contact, E-Mail, Gender, Joining Date, and Action. The data in the table is as follows:

Sl.No	Membership Expiry	Member ID	Name	Contact	E-Mail	Gender	Joining Date	Action
1	2022-11-21	1642788311	Louis	9898774605	louis@gmail.com	Male	2003-11-06	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
2	2022-11-21	1642788015	Dev	9876543210	dev@gmail.com	Male	2020-11-30	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
3	2022-04-21	1642788100	Zayn	9987654321	zayn@gmail.com	Male	2021-09-23	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
4	2022-04-21	1642787791	Manasa	8088277723	manasa@gmail.com	Female	2022-01-02	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
5	2022-02-21	1642769453	swathi	9796959493	swathi@gmail.com	Female	2022-01-21	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>

Fig 8.3 : View, Edit and Delete members

The screenshot shows a web application titled "SPORTS CLUB | View Member". The sidebar is identical to Fig 8.3. The main content area is titled "Member Detail" and displays a table of member information. The table has columns: Sl.No, Membership Expiry, Member ID, Name, Contact, E-Mail, Gender, Joining Date, and Action. The data in the table is as follows:

Sl.No	Membership Expiry	Member ID	Name	Contact	E-Mail	Gender	Joining Date	Action
1	2022-11-21	1642788311	Louis	9898774605	louis@gmail.com	Male	2003-11-06	<a href="#">View All</a>
2	2022-11-21	1642788015	Dev	9876543210	dev@gmail.com	Male	2020-11-30	<a href="#">View All</a>
3	2022-04-21	1642788100	Zayn	9987654321	zayn@gmail.com	Male	2021-09-23	<a href="#">View All</a>
4	2022-04-21	1642787791	Manasa	8088277723	manasa@gmail.com	Female	2022-01-02	<a href="#">View All</a>
5	2022-02-21	1642769453	swathi	9796959493	swathi@gmail.com	Female	2022-01-21	<a href="#">View All</a>
6	2022-06-21	1642788187	Harry	9877665544	harry@gmail.com	Male	2022-01-21	<a href="#">View All</a>
7	2022-06-21	1642787912	Kruthi R	9988776655	kruthi@gmail.com	Female	2022-12-01	<a href="#">View All</a>

Below the table, there is a section titled "gender count" with the following data:

- Female 3
- Male4

At the bottom of the page, it says "SPORTS CLUB".

Fig 8.4 : Stored procedure giving a count of the total male and females members

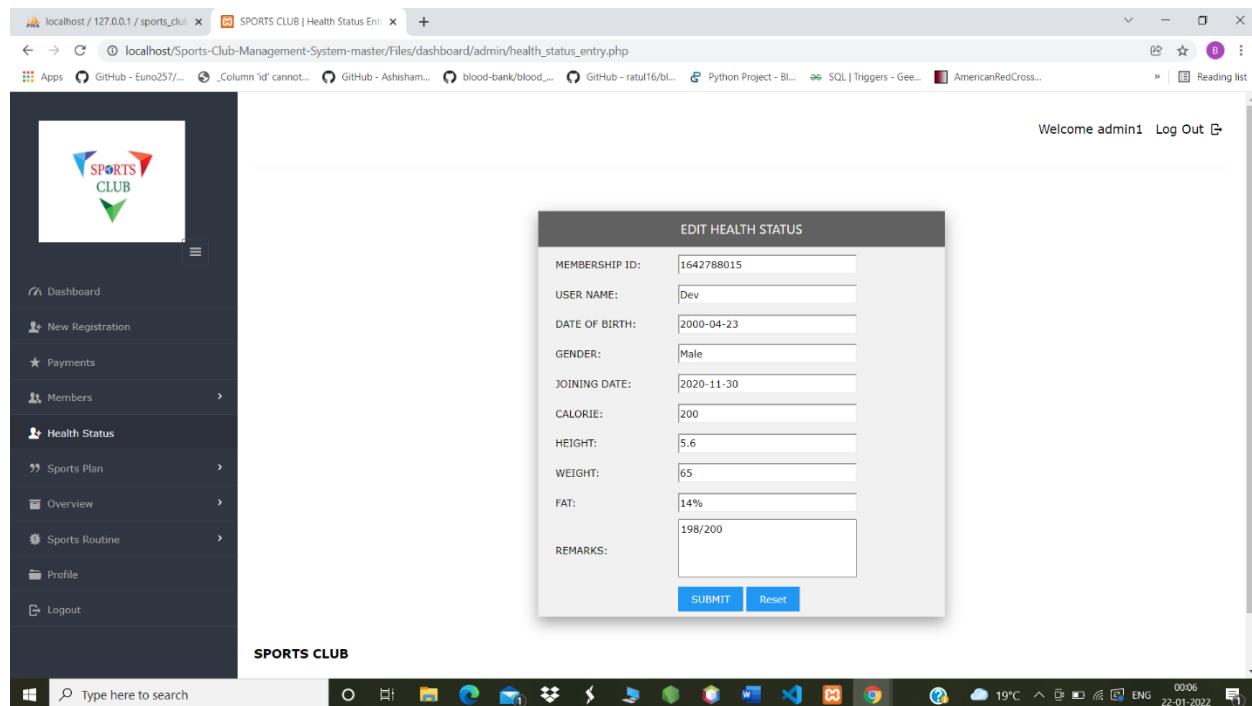


Fig 8.5 : Editing health status

The screenshot shows a web browser window for the 'SPORTS CLUB | Health Status'. The left sidebar is identical to Fig 8.5. The main content area displays a table titled 'Health Status' with the following data:

Sl.No	Member ID	Name	Contact	E-Mail	Gender	Date Of Birth	Joining Date	Action
1	1642788311	Louis	9898774605	louis@gmail.com	Male	2004-03-12	2003-11-06	<a href="#">Health Status</a>
2	1642788015	Dev	9876543210	dev@gmail.com	Male	2000-04-23	2020-11-30	<a href="#">Health Status</a>
3	1642788100	Zayn	9987654321	zayn@gmail.com	Male	2022-09-12	2021-09-23	<a href="#">Health Status</a>
4	1642787791	Manasa	808827723	manasa@gmail.com	Female	2002-03-28	2022-01-02	<a href="#">Health Status</a>
5	1642769453	swathi	9796959493	swathi@gmail.com	Female	2000-08-05	2022-01-21	<a href="#">Health Status</a>
6	1642788187	Harry	9877665544	harry@gmail.com	Male	2000-01-09	2022-01-21	<a href="#">Health Status</a>
7	1642787912	Kruthi R	9988776655	kruthi@gmail.com	Female	2001-05-02	2022-12-01	<a href="#">Health Status</a>

Fig 8.6 : Health Status of all members

The screenshot shows a web browser window titled "localhost / 127.0.0.1 / sports\_club" with the sub-page "SPORTS CLUB | Payments". The page displays a navigation sidebar on the left with options like Dashboard, New Registration, Payments (selected), Members, Health Status, Sports Plan, Overview, Sports Routine, Profile, and Logout. The main content area is titled "Payments" and contains a table of payment details:

Sl.No	Membership Expiry	Name	Member ID	Phone	E-Mail	Gender	Action
1	2022-02-21	swathi	1642769453	9796959493	swathi@gmail.com	Female	Add Payment
2	2022-04-21	Zayn	1642788100	9987654321	zayn@gmail.com	Male	Add Payment
3	2022-04-21	Manasa	1642787791	8088277723	manasa@gmail.com	Female	Add Payment
4	2022-06-21	Harry	1642788187	9877665544	harry@gmail.com	Male	Add Payment
5	2022-06-21	Kruthi R	1642787912	9988776655	kruthi@gmail.com	Female	Add Payment
6	2022-11-21	Dev	1642788015	9876543210	dev@gmail.com	Male	Add Payment
7	2022-11-21	Louis	1642788311	9898774605	louis@gmail.com	Male	Add Payment

The bottom of the page features a "SPORTS CLUB" logo.

Fig 8.7 : Payment details

The screenshot shows a web browser window titled "localhost / 127.0.0.1 / sports\_club" with the sub-page "SPORTS CLUB | Make Payment". The page displays a navigation sidebar on the left with options like Dashboard, New Registration, Payments (selected), Members, Health Status, Sports Plan, Overview, Sports Routine, Profile, and Logout. The main content area is titled "BLAZE FIT SPORTS CLUB" and contains a "MAKE PAYMENT" form:

MAKE PAYMENT	
MEMBERSHIP ID:	<input type="text" value="1642769453"/>
NAME:	<input type="text" value="swathi"/>
CURRENT PLAN	<input type="text" value="cricket"/>
SELECT NEW PLAN:	<select value="-- Please select --">-- Please select --</select>
<input type="button" value="ADD PAYMENT"/> <input type="button" value="Reset"/>	

The bottom of the page features a "SPORTS CLUB" logo.

Fig 8.8 : Payment page

The screenshot shows a web application interface for managing sports plans. On the left, there is a sidebar with a navigation menu including Dashboard, New Registration, Payments, Members, Sports Plan (selected), Overview, Sports Routine, Profile, and Logout. The main content area is titled "Manage Plan" and displays a table of "Sports Plan Details". The table has columns for S.No, Sports Plan ID, Sports Plan name, Sports Plan Details, Months, Rate, and Action. There are five rows of data:

S.No	Sports Plan ID	Sports Plan name	Sports Plan Details	Months	Rate	Action
1	POQKJC	cricket	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	10	₹10000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>
2	HVIDXY	football	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	3	₹5000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>
3	QGUWHL	Hockey	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	5	₹4000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>
4	BMXGIN	Badminton	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	3	₹3000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>
5	IABQKZ	chess	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	1	₹700	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>

Fig 8.9 : Sports Plan

The screenshot shows a "Create Plan" page. The left sidebar is identical to Fig 8.8. The main area is titled "Create Plan" and contains a "NEW PLAN DETAILS" form. The form fields are as follows:

PLAN ID:	KEZDY
SPORTS PLAN NAME:	Enter sports name
SPORTS PLAN DESCRIPTION:	Enter sports description
SPORTS PLAN VALIDITY:	Enter validity in months
SPORTS PLAN AMOUNT:	Enter sports plan amount

At the bottom of the form are two buttons: "CREATE PLAN" and "Reset".

Fig 8.10 : Creating new sports plan

The screenshot shows a web application interface for a sports club management system. The top navigation bar includes links for 'Dashboard', 'New Registration', 'Payments', 'Members', 'Health Status', 'Sports Plan', 'Overview', 'Sports Routine', 'Profile', and 'Logout'. The main content area displays a table titled 'Member Per Month' for January 2022. The table has columns for Sl.No, Member ID, Name, Contact, Gender, State, City, DOB, and Joining Date. The data shows three members registered in January 2022.

Sl.No	Member ID	Name	Contact	Gender	State	City	DOB	Joining Date
1	1642769453	swathi	9796959493	Female	karnataka	banglore	2000-08-05	2022-01-21
2	1642787791	Manasa	8088277723	Female	karnataka	banglore	2002-03-28	2022-01-02
3	1642788187	Harry	9877665544	Male	karnataka	banglore	2000-01-09	2022-01-21

Fig 8.11 : Overview of the total no of new members registered for the month Jan 2022

The screenshot shows a web application interface for a sports club management system. The top navigation bar includes links for 'Dashboard', 'New Registration', 'Payments', 'Members', 'Health Status', 'Sports Plan', 'Overview', 'Sports Routine', 'Profile', and 'Logout'. The main content area displays a table titled 'Member Per Year' for the year 2022. The table has columns for Sl.No, Member ID, Name, Contact, Gender, State, City, DOB, and Joining Date. The data shows four members registered in 2022.

Sl.No	Member ID	Name	Contact	Gender	State	City	DOB	Joining Date
1	1642769453	swathi	9796959493	Female	karnataka	banglore	2000-08-05	2022-01-21
2	1642787791	Manasa	8088277723	Female	karnataka	banglore	2002-03-28	2022-01-02
3	1642787912	Kruthi R	9988776655	Female	karnataka	banglore	2001-05-02	2022-12-01
4	1642788187	Harry	9877665544	Male	karnataka	banglore	2000-01-09	2022-01-21

Fig 8.12 : Overview of the total no of new members registered for the year 2022

The screenshot shows a web-based application for a sports club management system. On the left is a dark sidebar menu with options like Dashboard, New Registration, Payments, Members, Health Status, Sports Plan, Overview, Sports Routine, and Profile. The main content area has a title 'Income Per Month'. It displays a table of member subscriptions for January 2022, with columns for Sl.No, Member ID, Name, Contact, Gender, State, Paid Date, Expire Date, Plan Name, Amount, and Validity. Below the table is a summary: 'Total Income on January is ₹46000'. The top right shows a welcome message for 'admin1' and a 'Log Out' link. The bottom right shows a Windows taskbar with various icons.

Sl.No	Member ID	Name	Contact	Gender	State	Paid Date	Expire Date	Plan Name	Amount	Validity
1	1642769453	swathi	9796959493	Female	karnataka	2022-01-21	2022-02-21	cricket	10000	10 Month
2	1642787791	Manasa	8088277723	Female	karnataka	2022-01-21	2022-04-21	Badminton	3000	3 Month
3	1642787912	Kruthi R	9988776655	Female	karnataka	2022-01-21	2022-06-21	Hockey	4000	5 Month
4	1642788015	Dev	9876543210	Male	Karnataka	2022-01-21	2022-11-21	cricket	10000	10 Month
5	1642788100	Zayn	9987654321	Male	karnataka	2022-01-21	2022-04-21	football	5000	3 Month
6	1642788167	Harry	9877665544	Male	karnataka	2022-01-21	2022-06-21	Hockey	4000	5 Month
7	1642788311	Louis	9898774605	Male	Karnataka	2022-01-21	2022-11-21	cricket	10000	10 Month

Fig 8.13 : Overview of the total income generated for the month of Jan 2022

The screenshot shows the same application interface. The main content area displays a table titled 'Routine Name:CRICKET' with two columns: 'Day' and 'Time'. The table has six rows, each representing a day from Day 1 to Day 6, with the time '1-5 pm' listed next to each day. The top right shows a welcome message for 'admin1' and a 'Log Out' link. The bottom right shows a Windows taskbar with various icons.

Routine Name:CRICKET	
Day 1:	1-5 pm
Day 2:	1-5 pm
Day 3:	1-5 pm
Day 4:	1-5 pm
Day 5:	1-5 pm
Day 6:	1-5 pm

Fig 8.14 : Sports routine

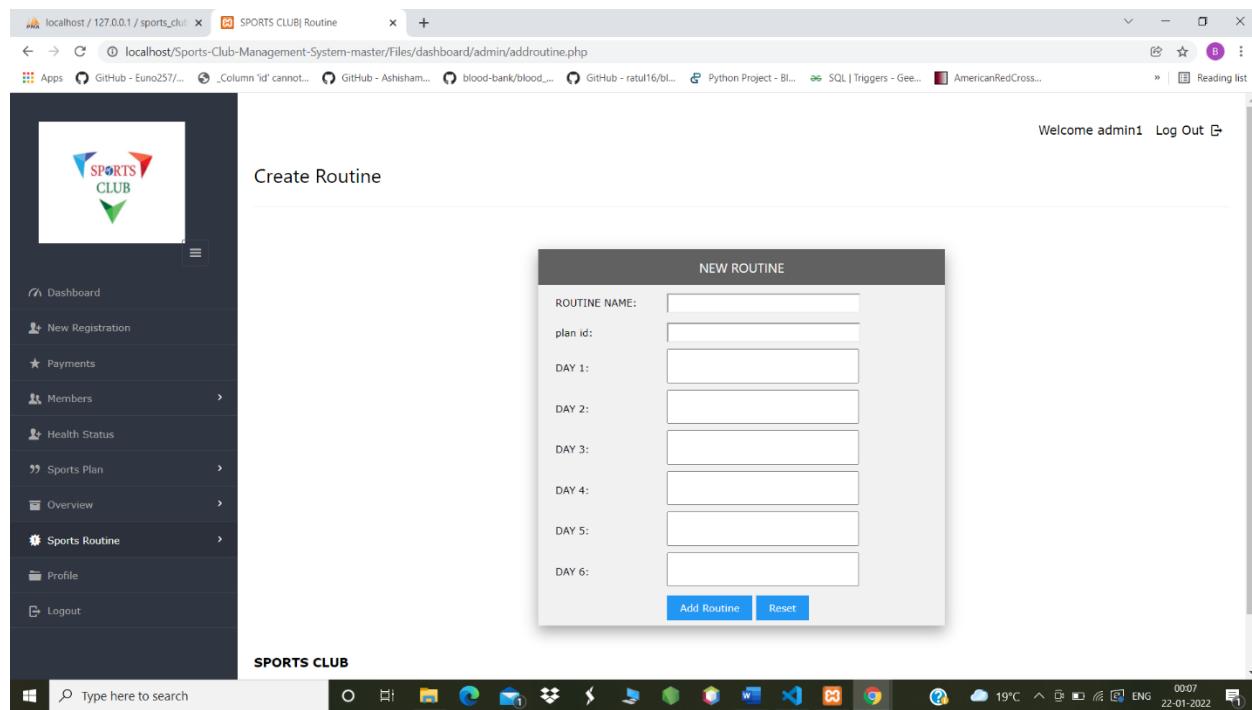


Fig 8.15 : Creating a new routine

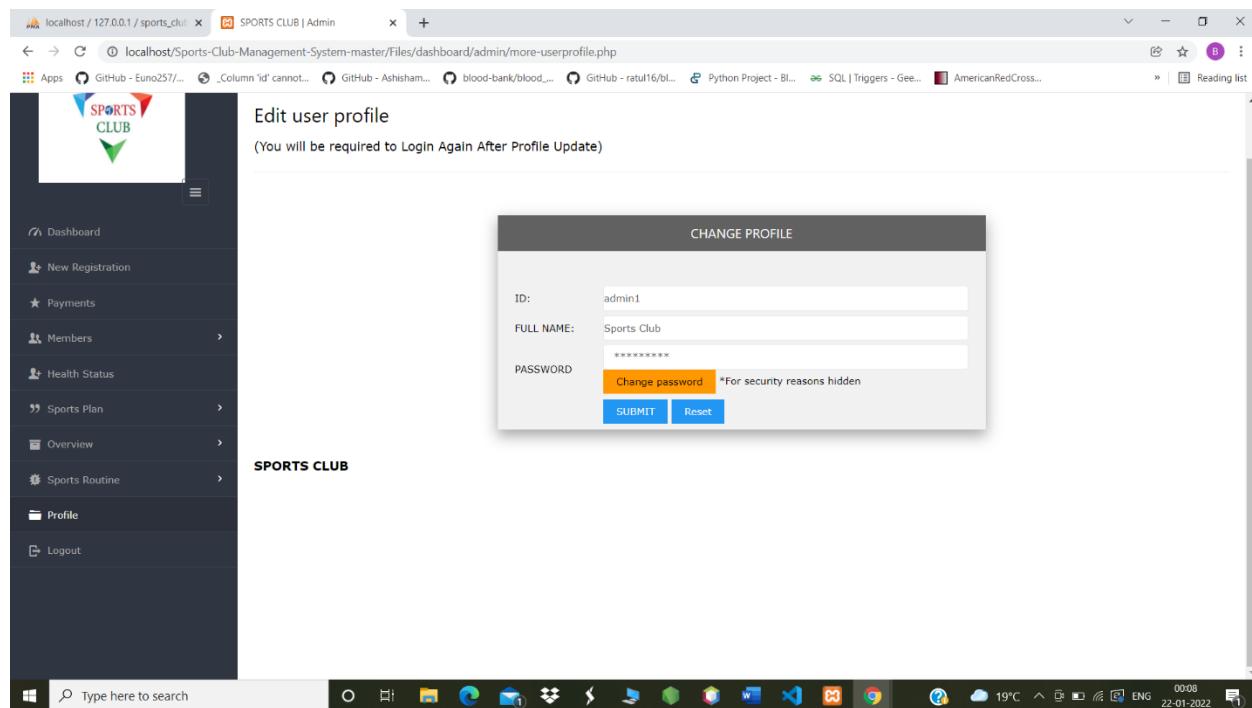


Fig 8.16 : Updating user profile

## **9. CONCLUSION & FUTURE SCOPE**

### **9.1 Conclusion**

**Planned approach toward working:** The maintenance of Sports Club will be well planned and organized. The data will be stored efficiently with optimal disk space consumption in data stores which will help in retrieval of information as well as its storage under resource constraints.

**Accuracy:** The level of accuracy in the proposed system will be higher. All operations would conform to integrity constraints and correctness and it will be ensured that whatever information is received at or sent from the centre is accurate.

**Reliability:** The reliability of the proposed system will be high due to the above mentioned reasons. This comes from the fact that only the data which conforms accuracy clause would be allowed to commit back to the disk. Other properties like transaction management and rollback during system or power failure etc get automatically taken care of by the SQL systems, which is undoubtedly an excellent choice of the DBMS system. Properties of atomicity, consistency, isolation and data security are intrinsically maintained

### **9.2 Future Enhancement**

#### **No redundancy:**

In the proposed system it will be ensured that no repetition of information occurs; neither on a physical storage nor on a logical implementation level. This economizes on resource utilization in terms of storage space. Also, even in case of concurrent access no anomalies occur and consistency is maintained. In addition to all this, principles of normalization have been endeavored to be followed.

#### **Immediate retrieval of information:**

The main objective of the proposed system is to provide a quick and efficient platform for retrieval of information. queries allowed by the database.

## **10. REFERENCES**

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