

FITNESS ZONE

Statement:

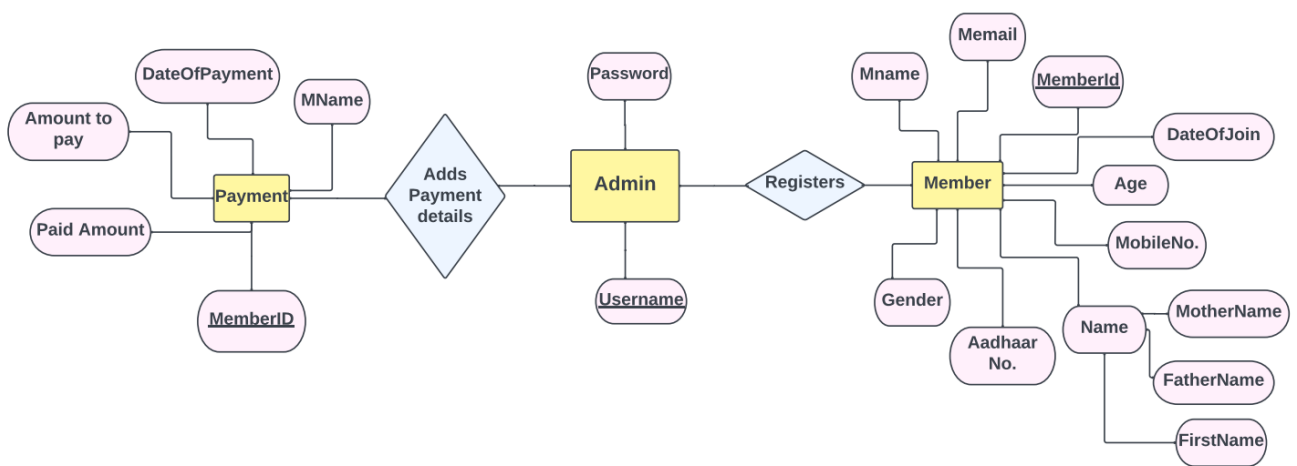
Welcome to the Fitness Zone (Gym management system)

You can login to the gym portal as an ADMIN, Admin has an username and password. Admin can REGISTER members. The member has a unique MemberId along with his Name (First name, Mother Name, Father name), email, D.O.J, gender, contact number, Gym time, amount and Aadhar Number. List of Members is displayed which contains all gym members details. Admin also manages the PAYMENT transaction of each member. Modes of Payment offered are cash, credit card and UPI. Receipt is provided ensuring successful payment.

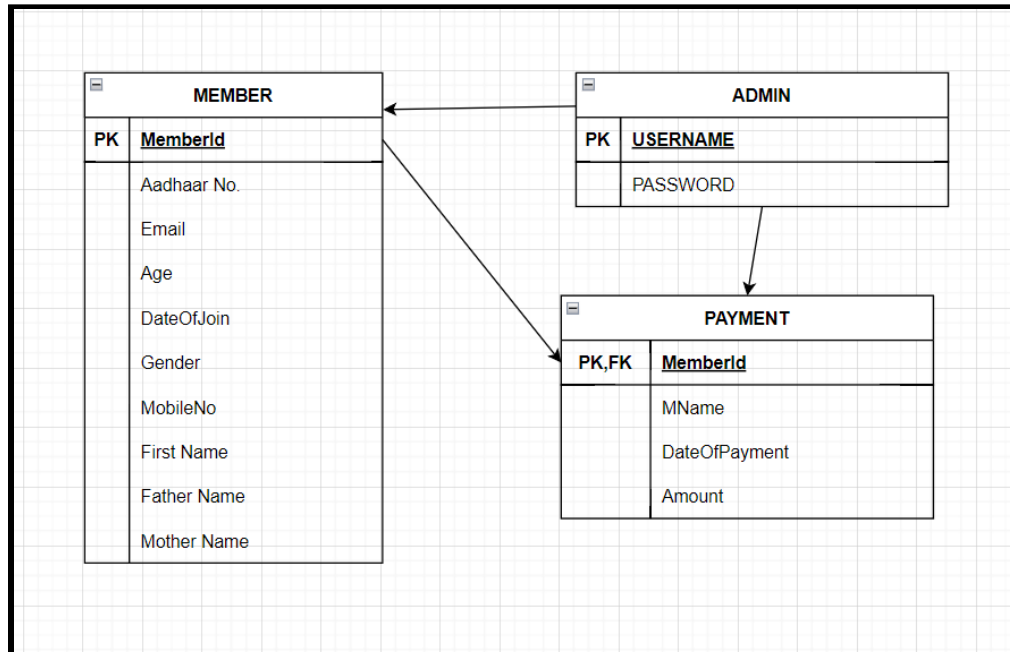
Requirement analysis:

- Web Application should have a simple and attractive interface.
- Application should contain login page for admin
- Registration page through which admin can register members
- Page by which admin can update, delete Member details.
- Applications should contain a members list which will display all member details.
- Payment page should be there through which admin maintains all payment details of members.

ER model:



Relational model:



Domain constraints:

Primary Key - MemberID

Unique - Aadhaar No

Not null- MemberId, MName, MobileNumber, Email varchar, Gender, FatherName, MotherName, GYMTime, Aadhaar Number, Age, Amount

Sample PHP queries:

1. \$sql_query3="SELECT*FROM member";

2. \$query1="SELECT * FROM login where username='\$_POST[username]' and Pass='\$_POST[password]' "

3. \$sql_query="INSERT INTO member(FirstName,Gender,MobileNumber,Email,FatherName,MotherName,GYMTime ,Aadhar Number,Age,Amount) VALUES ('\$FirstName','\$Gender','\$MobileNumber','\$Email','\$FatherName','\$MotherName','\$GYMTi me','\$Aadhaar Number','\$Age','\$Amount')";

```

4. $sql_query1="INSERT INTO payment(Amount,MName) VALUES
('$Amount','$FirstName)";
5. $query3="SELECT Amount FROM payment where MemberID = '$_POST[MemberID]' ";
    $result3 = mysqli_query($conn, $query3);

    $name="SELECT MName FROM payment where MemberID = '$_POST[MemberID]'";
    $name1 = mysqli_query($conn, $name);
6. $sql_query1="UPDATE member SET
FirstName='$_POST[FirstName]',Gender='$_POST[Gender]',MobileNumber=
'$_POST[MobileNumber]',Email='$_POST[Email]',FatherName='$_POST[FatherName]',Mo
therName='$_POST[MotherName]',GYMTime='$_POST[GYMTime]',Age=
'$_POST[Age]',Amount='$_POST[Amount]'
WHERE MemberID='$_POST[MemberID]'"

7. $sql_query2="DELETE FROM member WHERE MemberID='$_POST[MemberID]'";
8. $sql_query="INSERT INTO
member(MemberID,FirstName,Gender,MobileNumber,Email,FatherName,MotherName,G
YMTime,Age,Amount) VALUES
('$MemberID','$FirstName','$Gender','$MobileNumber','$Email','$FatherName','$MotherNa
me','$GYMTime','$Age','$Amount)";
9. $sql_query1="UPDATE member SET
name='$_POST[FirstName]',Gender='$_POST[Gender]',MobileNumber=
'$_POST[MobileNumber]',Email='$_POST[Email]',FatherName='$_POST[FatherName]',Mo
therName='$_POST[MotherName]',GYMTime='$_POST[GYMTime]',Age=
'$_POST[Age]',Amount='$_POST[Amount]' WHERE MemberID='$_POST[MemberID]'"

```

SAMPLE SQL QUERIES:

A.CREATE

1. CREATE TABLE member (

```

MemberId INT PRIMARY KEY NOT NULL,
MName varchar(200) NOT NULL,
MobileNumber bigint NOT NULL,
Email varchar(200) NOT NULL,
Gender varchar(50) NOT NULL,
FatherName varchar(200) NOT NULL,
MotherName varchar(200) NOT NULL,

```

```
GYMTime varchar(50) NOT NULL,  
AdhaarNumber bigint NOT NULL,  
Age INT NOT NULL,  
Amount INT NOT NULL  
DOJ DATE NOT NULL  
);
```

```
2. CREATE TABLE payment (  
    MemberID INT(11),  
    Amount    INT(11),  
    MName varchar(200)  
);
```

```
3.CREATE TABLE login (  
    username VARCHAR(200),  
    Pass VARCHAR(20)  
);
```

B.INSERT

```
1. INSERT INTO member  
(FirstName,Gender,MobileNumber,Email,FatherName,MotherName,GYMTime,Adhaar  
Number, Age,Amount) VALUES ('Sakshi','Female','180014','sak@gmail.com','John',  
    'Sofia','7:00-9:00 pm','9422 5214 1447','50','3000');
```

```
2.INSERT INTO payment(Amount,MName) VALUES ('3000','Sakshi');
```

C. FETCH

```
1.SELECT * FROM member;
```

```
2.SELECT * FROM login WHERE username=username and Pass=password ;
```

```
3.SELECT Amount FROM payment where MemberID = 10 ";
```

```
4.SELECT MName FROM payment where MemberID = 10;
```

D. UPDATE

7. UPDATE member set FirstName='Sakshi',Gender='Female',MobileNumber='180015',Email='sak@gmail.com',
FatherName='John',MotherName='Sofia',GYMTime='John',Age= 50,Amount= 3000,
WHERE MemberID=10;

E. DELETE

8. DELETE FROM member WHERE MemberID=10;

Relational algebra expression:

1. Find total no. of members in the gym

Select COUNT(MID) From Member;

2. Find names of members starting with letter S

Select Firstname from member where FirstName like 'S%';

3. Find members who have not paid fees

Select Mname from payment where amount = null ;

4. Find first 10 members

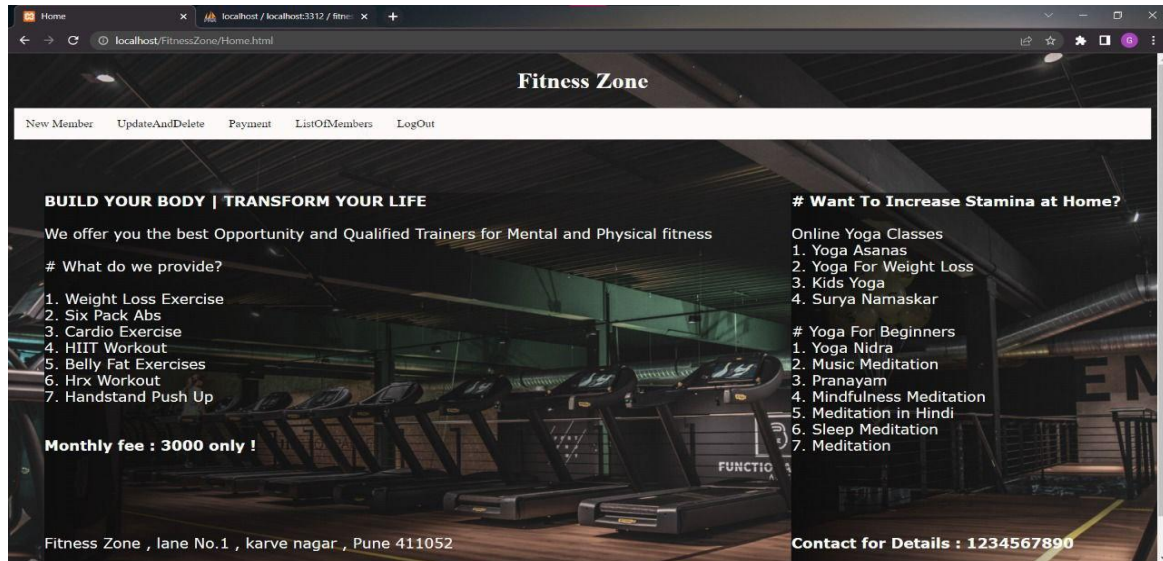
Select MemberID , Firstname from member limit 10 ;

Working and functionalities:

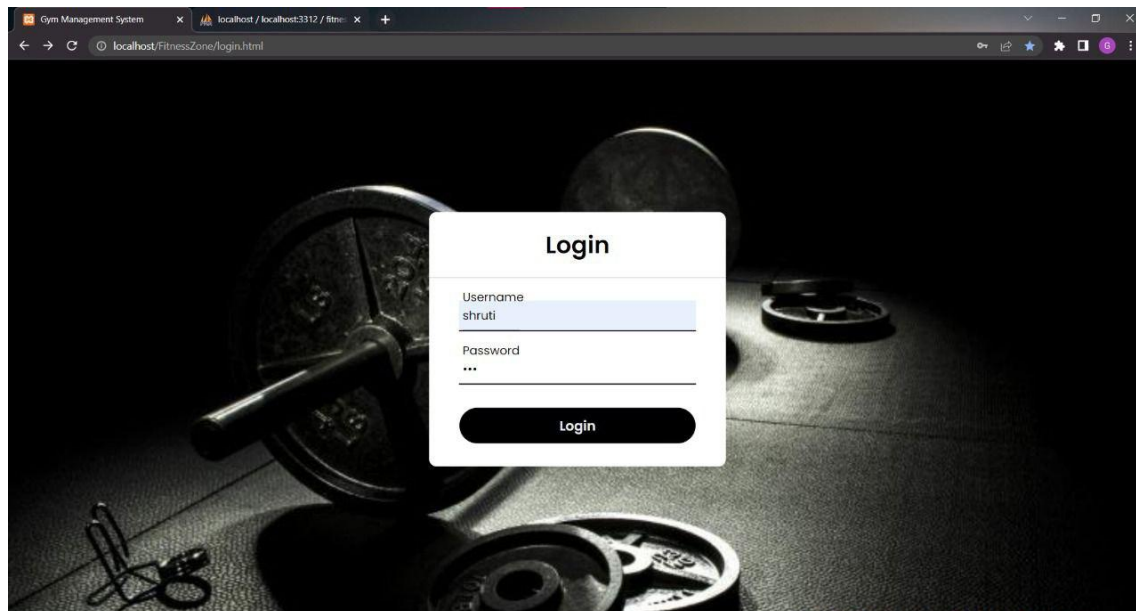
- 1) Login by Admin
- 2) New Member Registration
- 3) Update/Delete member's Information
- 4) Payment Details
- 5) Logout
- 6) Exit

Snapshot of output

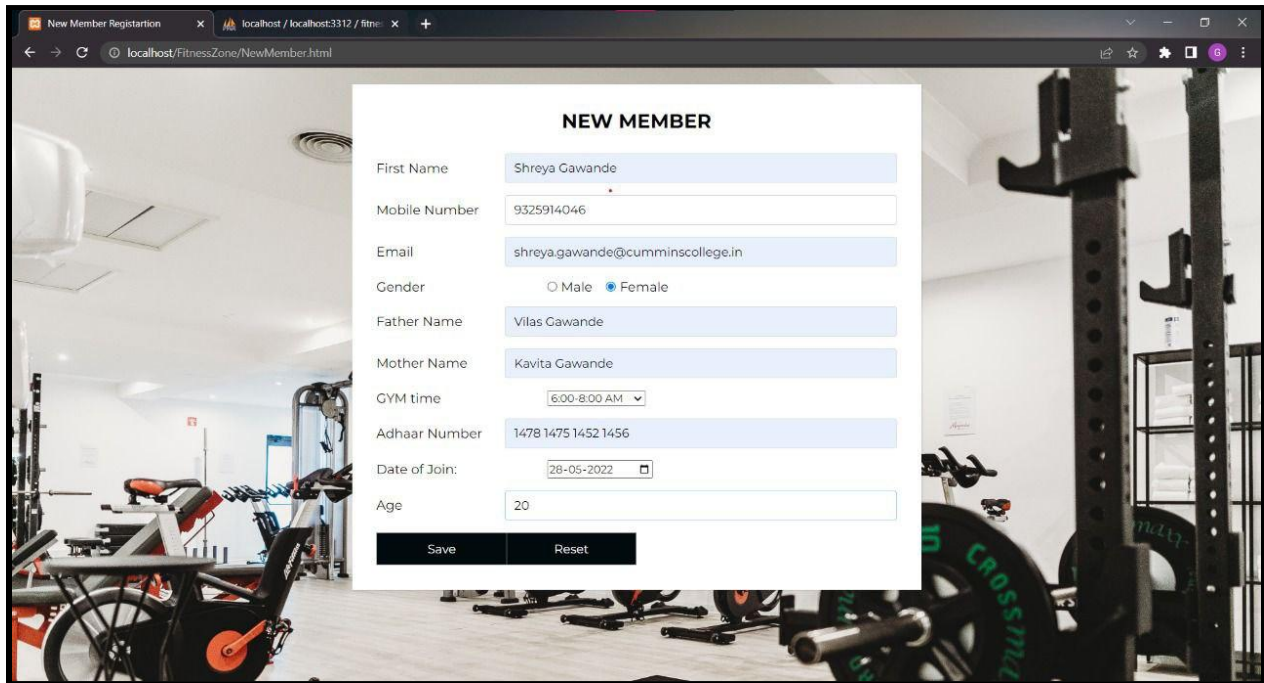
HOMEPAGE



Login Page



New Member form



NEW MEMBER

First Name: Shreya Gawande

Mobile Number: 9325914046

Email: shreya.gawande@cumminscollege.in

Gender: ☐ Male ☒ Female

Father Name: Vilas Gawande

Mother Name: Kavita Gawande

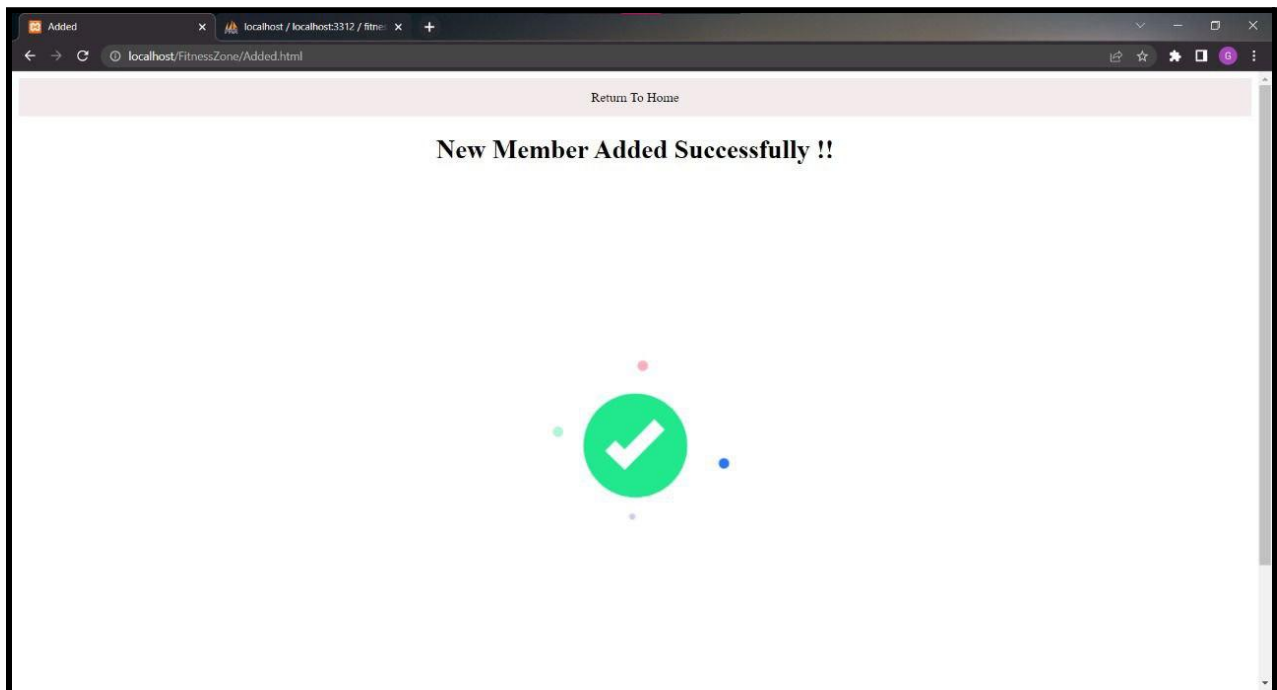
GYM time: 6:00-8:00 AM

Adhaar Number: 1478 1475 1452 1456

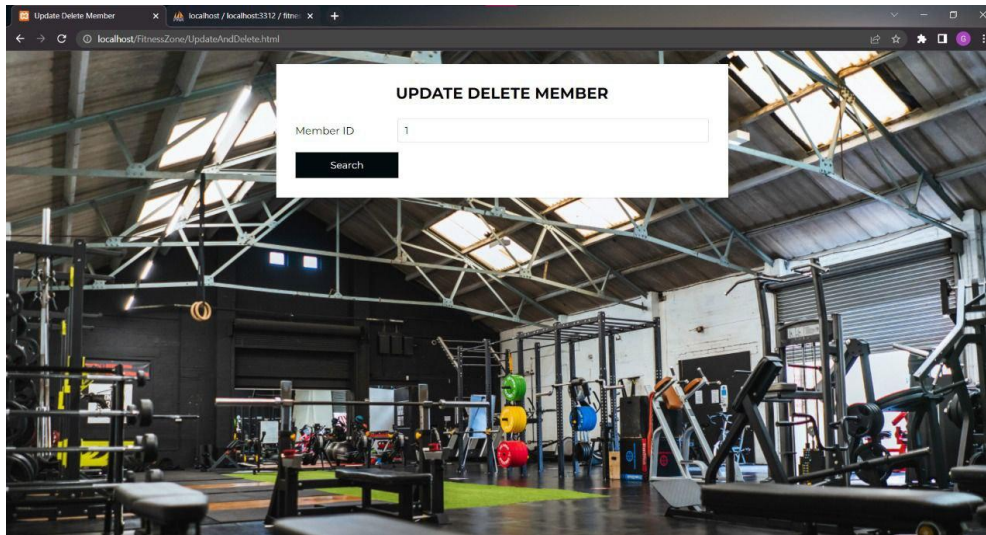
Date of Join: 28-05-2022

Age: 20

[Save](#) [Reset](#)



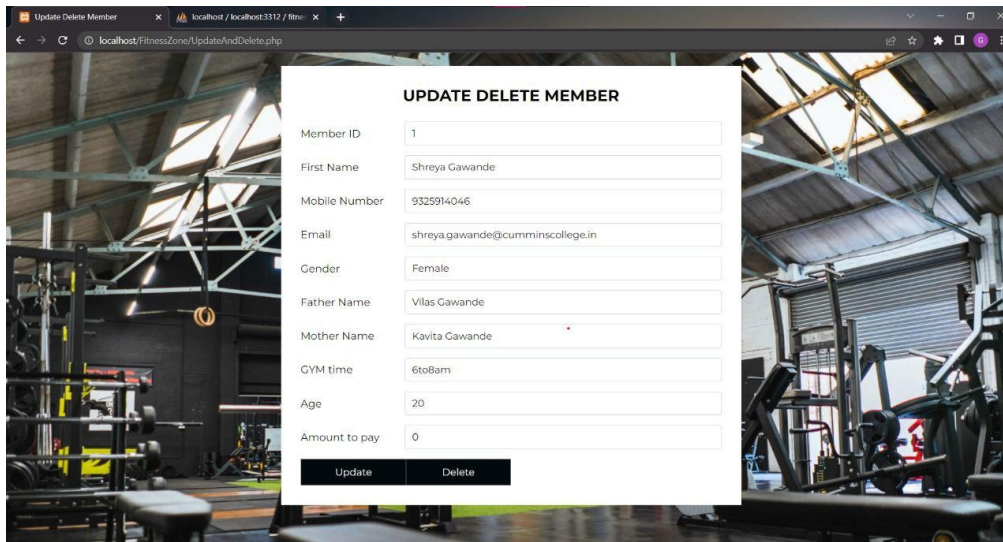
Update/Delete Member



UPDATE DELETE MEMBER

Member ID:

Search



UPDATE DELETE MEMBER

Member ID:

First Name:

Mobile Number:

Email:

Gender:

Father Name:

Mother Name:

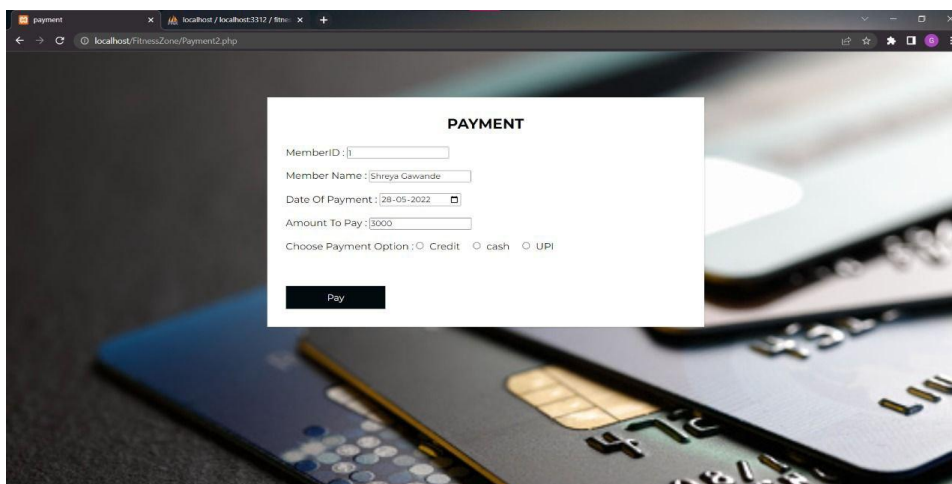
GYM time:

Age:

Amount to pay:

Update Delete

Payment



PAYMENT

MemberID:

Member Name:

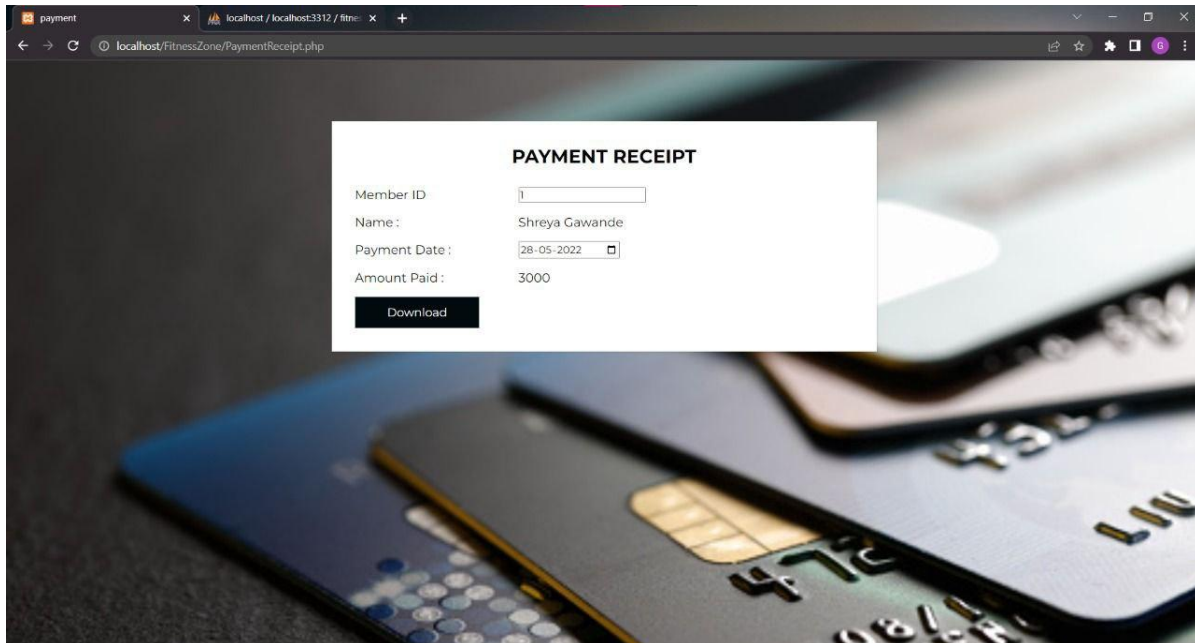
Date Of Payment:

Amount To Pay:

Choose Payment Option: ☐ Credit ☐ cash ☐ UPI

Pay

Payment Receipt



PAYMENT RECEIPT

Member ID:

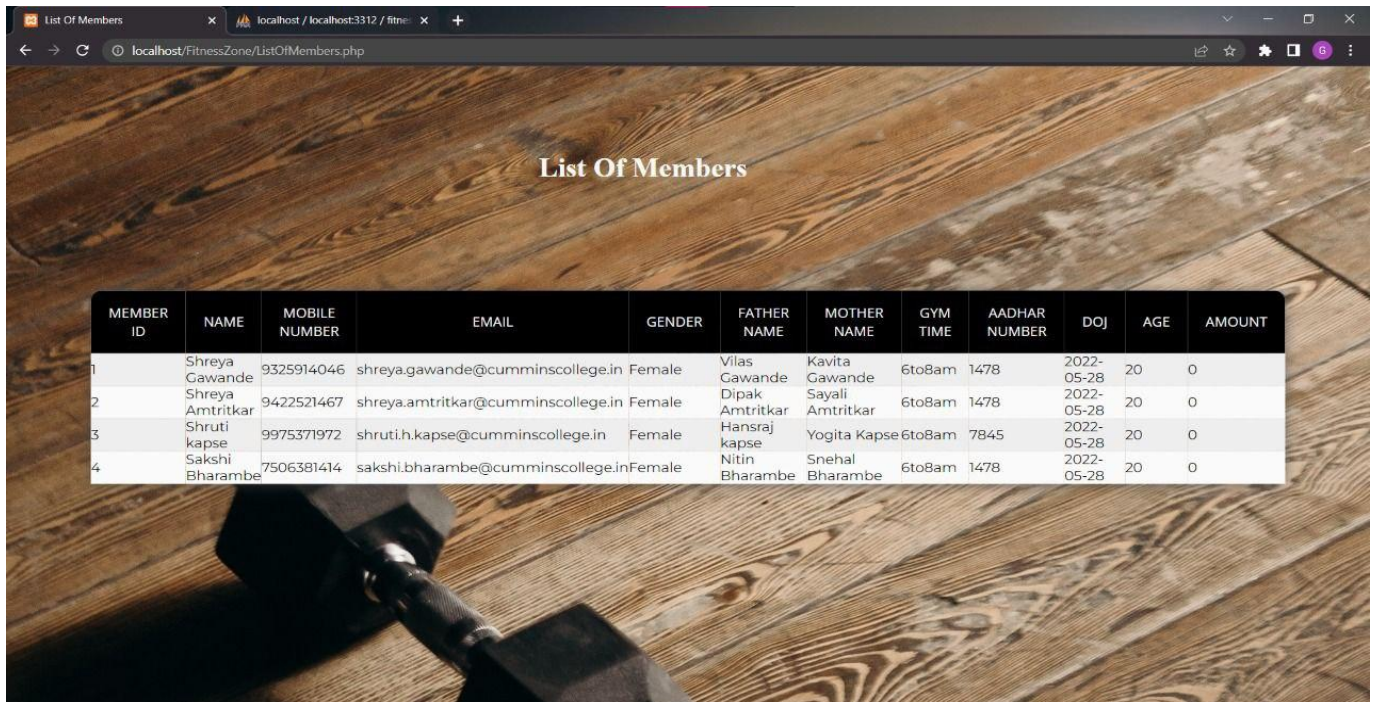
Name: Shreya Gawande

Payment Date:

Amount Paid: 3000

[Download](#)

List of Members



List Of Members

MEMBER ID	NAME	MOBILE NUMBER	EMAIL	GENDER	FATHER NAME	MOTHER NAME	GYM TIME	AADHAR NUMBER	DOJ	AGE	AMOUNT
1	Shreya Cawande	9325914046	shreya.gawande@cumminscollege.in	Female	Vilas Cawande	Kavita Gawande	6to8am	1478	2022-05-28	20	0
2	Shreya Amritkar	9422521467	shreya.amritkar@cumminscollege.in	Female	Dipak Amritkar	Sayali Amritkar	6to8am	1478	2022-05-28	20	0
3	Shruti kapse	9975371972	shruti.h.kapse@cumminscollege.in	Female	Hansraj kapse	Yogita Kapse	6to8am	7845	2022-05-28	20	0
4	Sakshi Bharambe	7506381414	sakshi.bharambe@cumminscollege.in	Female	Nitin Bharambe	Snehal Bharambe	6to8am	1478	2022-05-28	20	0

GITHUB LINK

<https://github.com/Gawande002Shreya/Fitness-Zone-DBMS-/tree/master>

