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BANGALORE INSTITUTE OF TECHNOLOGY
K.R. Road, V.V.Puram, Bengaluru-560 004

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DATABASE MANAGEMENT SYSTEM MINI PROJECT

18CSL58

GYM MANAGEMENT SYSTEM

Submitted By

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1BI18CS050

for the academic year 2020-21

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Certificate

This is to certify that the implementation of **DBMS MINI PROJECT** entitled “**GYM MANAGEMENT SYSTEM**” has been successfully completed by

USN: 1BI18CS050 **NAME : DHRUV VARSHNEY**

of V semester B.E. for the partial fulfillment of the requirements for the Bachelor's degree in Computer Science & Engineering of the Visvesvaraya Technological University during the academic year 2020-2021.

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DHRUV VARSHNEY

1BI18CS050

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INTRODUCTION

Our GYM Management Software is a gym and health club membership management system. You can keep records on your members, their memberships, their payment details, etc and have quick and easy communication between you and your members.

Gym Management also includes a member registration, workout plan activity, keep payment details, print invoice of your payment, keep a record of membership expiry for your trainers and members that help you organise and manage your gym in a simple and easy way.

Our Gym Management System is a complete gym and recreation facility system program which looks after all your members, memberships and activities. Our Gym Management System provides lots of functions such as data entry of customers, keeping records of all the things about customer's fees, plan and physical fitness which help to provide good quality services to customers from Gym Managers.

1.1 Problem Statement:

"To Design and Develop the GYM MANAGEMENT SYSTEM that will automate the manual process of gym management."

1.2 About the Project

Gym Management System developed using PHP is an excellent solution for gyms with a large/growing number of members, or ones serving elite clientele. This solution helps to identify the user and manage their timely memberships.

In its working, each member is issued a membership card which is valid for a fixed number of gym sessions, or for a particular period, or a combination of the two, totally based on the payment policy. Once the time frame or number of sessions expire, the machine notifies the member about the payment of renewal.

Hence, the system reduces hassle and any chances of quarrels between the members and the gym management. It can also generate multiple reports like monthly, weekly, daily, session wise.

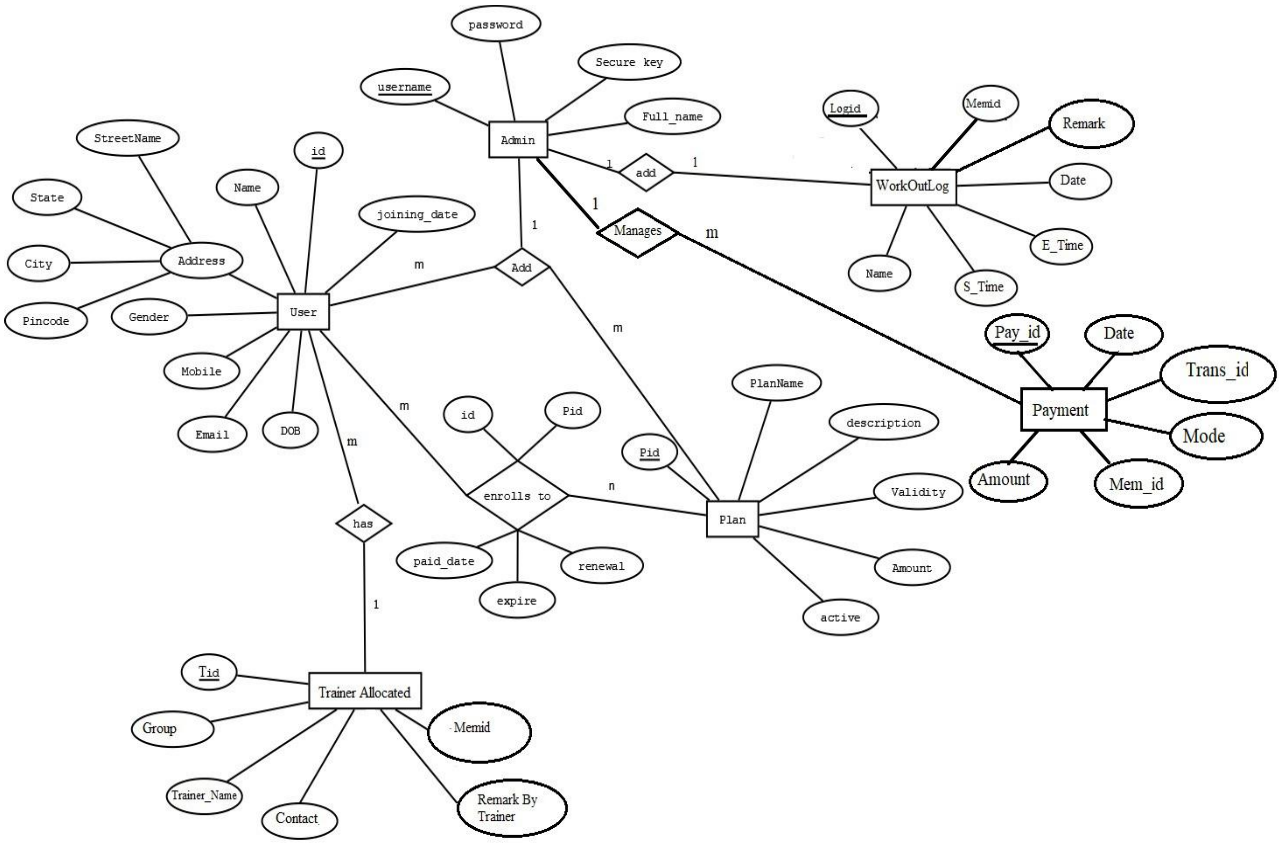
1.3 Main Features:

1. Members record.
2. Payment details
3. Membership expiry
4. Invoice Download
5. Work out Details.
6. Trainer Details

CHAPTER – 2
BACKEND DESIGN

CHAPTER - 2

BACKEND DESIGN



2.1 Conceptual database design (E-R Diagram)

Fig 2.1: E-R Diagram

The above diagram shows that the admin entity has various fields like username, password, full_name etc. The admin can add users as an entity which has various data fields like joining date, mobile number, email, DOB, etc.

The user is linked to trainer (which has different data fields for storing the information of trainer) and enrolls to different plans (which has pid, plan_name, validity and amount of the plan). The user pays the payment for the different plans and the payment is managed by the admin.Even the admin can assign various workoutlog to the various members which are there in the Gym.

2.2 Logical Database Design (E-R Relationship Mapping):

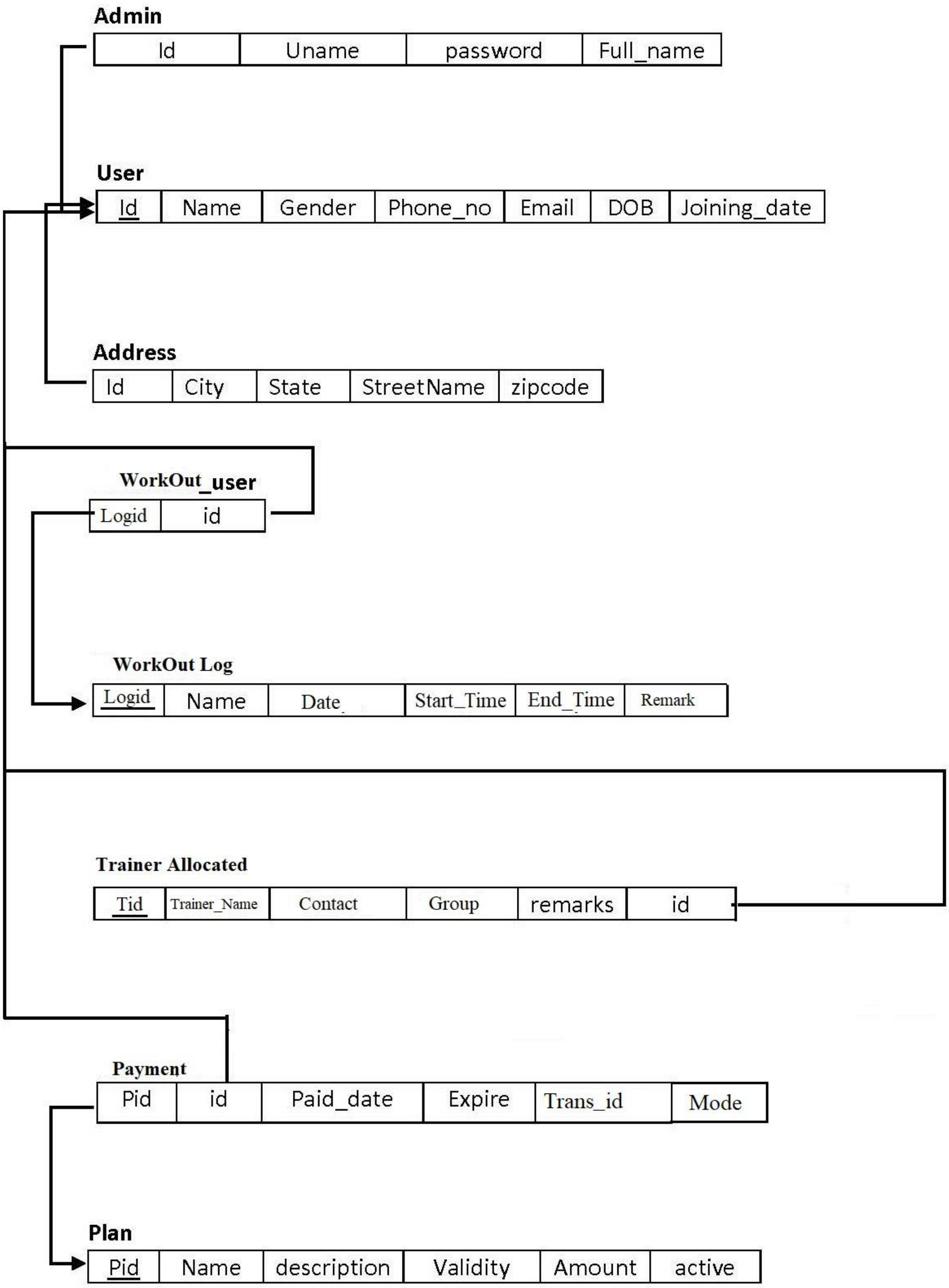

Admin
Id | Uname | password | Full_name
User
Id | Name | Gender | Phone_no | Email | DOB | Joining_date
Address
Id | City | State | StreetName | zipcode
WorkOut_user
Logid | id
WorkOut Log
Logid | Name | Date | Start_Time | End_Time | Remark
Trainer Allocated
Tid | Trainer_Name | Contact | Group | remarks | id
Payment
Pid | id | Paid_date | Expire | Trans_id | Mode
Plan
Pid | Name | description | Validity | Amount | active

Fig 2.2: E-R Relationship Mapping Diagram

The different connections are shown in the above diagram. The above relationship mapping shows how different tables are connected/ linked to one another. Eg: The admin table is connected to User table and the address table is also in turn linked to user table to store the address of the user.

2.3 Normalization of Tables

2.3.1 Address Schema:

id	streetName	state	city	zipcode
1529336794	2069 Quarry Drive	NC	Greensboro	27409
1610366535	27th street	Karnataka	Bangalore	560029

- Id is the primary key here. It uniquely identifies all other values in the table.
- Since all values are atomic, hence the table is in 1 NF.
- Since there is not partial dependency, hence the table is in 2NF.
- Since there is no transitive dependency, hence the table is in 3 NF.

2.3.2 Admin Schema:

username	pass_key	securekey	Full_name
admin1	admin1	admin1	Star Gym

- Username is the primary key here. Since it uniquely identifies the user - admin.
- Since all values are atomic, hence the table is in 1 NF.
- Since there is not partial dependency, hence the table is in 2NF.
- Since there is no transitive dependency, hence the table is in 3 NF.

2.3.3 Enrolls_to Schema:

et_id	pid	uid	paid_date	expire	renewal	trans_id	mode
1	POQKJC	1529336794	2020-12-18	2021-12-18	no	15678	upi
6	POQKJC	1610366757	2021-01-11	2021-02-11	yes	567898	credit card

- Since all the values are atomic, hence the table is in 1 NF.

- Here, (et_id,pid,uid,trans_id) are all candidate key. Since they uniquely identify each value in the table.
- Since there is not partial dependency, hence the table is in 2NF.

Since there is no transitive dependency, hence the table is in 3 NF.

2.3.4 Plan Schema:

pid	planName	description	validity	amount	active
NEUVAQ	Gold	6 month plan plus one month free	7	1000	no
POQKJC	Monthly Plan	A monthly subscription that unlocks the entire Gym...	1	600	no

- Here, pid is the primary key. It uniquely identifies other entities.
- Since all values are atomic, hence the table is in 1 NF.
- Since there is not partial dependency, hence the table is in 2NF.
- Since there is no transitive dependency, hence the table is in 3 NF.

2.3.5 Trainer allocated Schema:

gid	Group	trainer_id	name	contact	remarks	uid
1	body building	345678	harsh	9773577044	doing good	1529336794
4	yoga	12345	dev	8076543545	*NULL*	1610366535
5	aerobics	23456700	dev	8076543545	not taking seriously	1610366757
9	weight loss	2345076	ashish	9911556677	*NULL*	1610651038

- Here, gid is the primary key. It uniquely identifies other entities.
- Here, uid is the foreign key that links to different users.
- Since all values are atomic, hence the table is in 1 NF.
- Since there is not partial dependency, hence the table is in 2NF.
- Since there is no transitive dependency, hence the table is in 3 NF.

2.3.6 Users Schema:

userid	**username**	**gender**	**mobile**	**email**	**dob**	**joining_date**	**trans_id**	**mode**
1529336794	Dhruv Varshney	Male	9773577033	dhruv@gmail.com	2000-01-26	2020-12-18	10069007821	cash
1610366535	Akhil	Male	7890567334	akhil@gmail.com	2021-01-12	2021-01-05	4567890	cash

- Here, uid is the primary key. It uniquely identifies other entities.
- Since all values are atomic, hence the table is in 1 NF.
- Since there is not partial dependency, hence the table is in 2NF.
- Since there is no transitive dependency, hence the table is in 3 NF.

2.3.7 Workout log Schema:

wid	**logid**	**wname**	**userid**	**date**	**s_time**	**e_time**	**remark**
3	2345678	aerobics	1610366535	2021-01-02	2021-01-01 05:15:00	2021-01-01 06:15:00	Done

- Here, (wid,loginid) is the candidate key. It uniquely identifies other entities.
- Since all values are atomic, hence the table is in 1 NF.
- Since there is not partial dependency, hence the table is in 2NF.
- Since there is no transitive dependency, hence the table is in 3 NF.

CHAPTER – 3
FRONTEND DESIGN

CHAPTER - 3

Front end Design

3.1 Secure Login:

```
<?php
include './include/db_conn.php';

$user_id_auth = ltrim($_POST['user_id_auth']);
$user_id_auth = rtrim($user_id_auth);

$pass_key = ltrim($_POST['pass_key']);
$pass_key = rtrim($_POST['pass_key']);

$user_id_auth = stripslashes($user_id_auth);
$pass_key     = stripslashes($pass_key);


if($pass_key=="" &&  $user_id_auth==""){
   echo "<head><script>alert('Username and Password can be empty');</script></head></html>";
            echo "<meta http-equiv='refresh' content='0; url=index.php'>";

}
else if($pass_key=="" ){
   echo "<head><script>alert('Password can be empty');</script></head></html>";
            echo "<meta http-equiv='refresh' content='0; url=index.php'>";

}
else if($user_id_auth=="" ){
   echo "<head><script>alert('Username can be empty');</script></head></html>";
            echo "<meta http-equiv='refresh' content='0; url=index.php'>";

}

else{

$user_id_auth = mysqli_real_escape_string($con, $user_id_auth);
$pass_key     = mysqli_real_escape_string($con, $pass_key);
$sql          = "SELECT * FROM admin WHERE username='$user_id_auth' and
pass_key='$pass_key'";
$result       = mysqli_query($con, $sql);
$count        = mysqli_num_rows($result);
if ($count == 1) {
    $row = mysqli_fetch_assoc
($result);
    session_start();
    // store session data
    $_SESSION['user_data']  = $user_id_auth;
    $_SESSION['logged']     = "start";
    // $_SESSION['auth_level'] = $row['level'];
    $_SESSION['full_name']  = $user_id_auth;
    $_SESSION['username']=$row['Full_name'];
    // $auth_l_x             = $_SESSION['auth_level'];
    // if ($auth_l_x == 5) {
        header("location: ./dashboard/admin/");
    // } else if ($auth_l_x == 4) {
    //     header("location: ../dashboard/cashier/");
    // } else if ($auth_l_x == 3) {
    //     header("location: ../dashboard/member/");
    // } else {
    //     header("location: ../login/");
    // }
} else {
    include 'index.php';
    echo "<html><head><script>alert('Username OR Password is Invalid');</script></head></html>";
}
}
?>
```

3.2 Change Password:

```
<?php
// $a = $_SERVER['HTTP_REFERER'];

// if (strpos($a, '/e-has/') !== false) {

// } else {
//     header("Location: ./");
// }

?>
<?php
// include 'index.php';
include './include/db_conn.php';
$key          = rtrim($_POST['login_key']);
$pass         = rtrim($_POST['pwfield']);
$user_id_auth = rtrim($_POST['login_id']);
$passconfirm= rtrim($_POST['confirmfield']);
if($pass==$passconfirm){
if (isset($user_id_auth) && isset($pass) && isset($key)) {
   $sql    = "SELECT * FROM admin WHERE username='$user_id_auth' and securekey='$key'";
   $result = mysqli_query($con, $sql);
   $count  = mysqli_num_rows($result);
   if ($count == 1) {
       mysqli_query($con, "UPDATE admin SET pass_key='$pass' WHERE
username='$user_id_auth'");
       echo "<html><head><script>alert('Password Updated ,Login Again ');</script></head></html>";
       echo "<meta http-equiv='refresh' content='0; url=index.php'>";
   } else {
       echo "<html><head><script>alert('Change Unsuccessful');</script></head></html>";
       echo "<meta http-equiv='refresh' content='0; url=index.php'>";
   }
} else {
   echo "<html><head><script>alert('Change Unsuccessful');</script></head></html>";
   echo "<meta http-equiv='refresh' content='0; url=index.php'>";
}
}
else{
   echo "<html><head><script>alert('Confirm Password Mismatch');</script></head></html>";
   echo "<meta http-equiv='refresh' content='0; url=forgot_password.php'>";
}
```

```
?>
<center>
<img src="loading.gif">
</center>
```

3.3 Forgot Password:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <!--[if IE]><meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1"><![endif]-->

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <meta name="description" content="Neon Admin Panel" />
  <meta name="author" content="Laborator.co" />

  <title>STAR Gym | Login</title>
  <link rel="stylesheet" href="./css/style.css"/>
        <link rel="stylesheet" type="text/css" href="./css/entypo.css">

</head>

<body class="page-body login-page login-form-fall">
        <div id="container">
                <div class="login-container">

                        <div class="login-header login-caret">

                                <div class="login-content">

                                        <a href="#" class="logo">
                                                <img src="./images/logo.png" alt=""
/>
                                        </a>

                                </div>

                        </div>

                        <div class="login-form">

                                <div class="login-content">

                                        <form action="change_s_pwd.php"
method="POST" id="bb">

                                                <div class="form-group">
                                                        <div class="input-
group">

<div class="input-group-addon">

<i class="entypo-user"></i>
                                                                </div>

        <input type="text" class="form-control" name="login_id" placeholder="Your Login ID"
data-rule-required="true" data-rule-minlength="6"/>
```

```
                                                </div>
                                        </div>

                                        <div class="form-group">
                                                <div class="input-
group">
                                                        <div
class="input-group-addon">

<i class="entypo-key"></i>
                                                        </div>

<input type="text" name="login_key"  class="form-control" placeholder="Your secert key" data-
rule-required="true" data-rule-minlength="6">
                                                </div>
                                        </div>

                                        <div class="form-group">
                                                <div class="input-
group">
                                                        <div
class="input-group-addon">

<i class="entypo-key"></i>
                                                        </div>

<input type="password" name="pwfield" id="pwfield" class="form-control" data-rule-
required="true" data-rule-minlength="6" placeholder="Your new passowrd">
                                                </div>
                                        </div>

                                        <div class="form-group">
                                                <div class="input-
group">
                                                        <div
class="input-group-addon">

<i class="entypo-key"></i>
                                                        </div>



<input type="password" name="confirmfield" id="confirmfield" class="form-control" data-rule-
equalto="#pwfield" data-rule-required="true" data-rule-minlength="6" placeholder="Confirm Your
new passowrd">
                                                </div>
                                        </div>

                                        <div class="form-group">

<button type="Submit" name="btnLogin" class="btn btn-primary">
                                                        Login In

<i class="entypo-login"></i>
                                                </button>

<a href="./index.php"><button  type="button" class="btn btn-primary">Cancel</button></a>
                                        </div>
                                </form>
```

```
                                        </div>

                                </div>

                        </div>
                </div>

    </body>
</html>
```

3.4 Index Page:

```
<?php

session_start();
if(isset($_SESSION["user_data"]))
{
                header("location:./dashboard/admin/");
}

?>

<!DOCTYPE html>
<html>
<head>
                <title>STAR Gym | Login</title>
                <link rel="stylesheet" href="./css/style.css"/>
                <link rel="stylesheet" type="text/css" href="./css/entypo.css">
</head>
<body>

<body class="page-body login-page login-form-fall">
                <div id="container">
                                <div class="login-container">

                <div class="login-header login-caret">

                        <div class="login-content">

                                <a href="#" class="logo">
                                        <img src="./images/logo.png" alt="" />
                                </a>
                                <h1 align ="centre"> GYM MANAGEMENT SYSTEM </h1>
                                <p class="description">Dear user, log in to access the admin
area!</p>

                                <!-- progress bar indicator -->
                                <div class="login-progressbar-indicator">
                                        <h3>43%</h3>
                                        <span>logging in...</span>
                                </div>
                        </div>

                </div>

                <div class="login-progressbar">
                        <div></div>
```

```
    </div>

    <div class="login-form">

        <div class="login-content">

            <form action="secure_login.php" method='post' id="bb">
                <div class="form-group">
                    <div class="input-group">
                        <div class="input-group-addon">

<i class="entypo-user"></i>
                        </div>
                            <input type="text"
placeholder="User ID" class="form-control" name="user_id_auth" id="textfield" data-rule-
minlength="6" data-rule-required="true">
                    </div>
                </div>

                <div class="form-group">
                    <div class="input-group">
                        <div class="input-group-addon">

<i class="entypo-key"></i>
                        </div>
                        <input type="password"
name="pass_key" id="pwfield" class="form-control" data-rule-required="true" data-rule-
minlength="6" placeholder="Password">
                    </div>
                </div>

                <div class="form-group">
                    <button type="submit" name="btnLogin"
class="btn btn-primary">
                        Login In

<i class="entypo-login"></i>
                    </button>
                </div>
            </form>

                <div class="login-bottom-links">
                    <a href="forgot_password.php"
class="link">Forgot your password?</a>
                </div>
        </div>

    </div>

</div>

        </div>

</body>
</html>
```

CHAPTER 4
MODULE DESCRIPTION

CHAPTER - 4

MODULES DESCRIPTION

1. **Login system for admin** **:-**The admin Will Login in the system with the correct user name and password.Else it will throw an error like:incorrect username or password

2. **Access to the System** **:-**Complete access to admin to add, remove, delete and update any member or trainer from its database.
3. **Update Workout** **:**To create & update Workout for different types of exercises and even To manage a workout log in order to keep an attendance record of every person.Creating a workout include wid,logid,date ,start time ,end time,remark(like precautions)
4. **Membership Expiry:-** To see the expiry of membership plan for every member and also to update the membership (if the plan is renewed or upgraded).
5. **Payment:-**To see the total income and income for the month. Income is generated from the fess that members of the gym pay to renew their membership subscription.Even we can add payment options including transaction id, mode of payment and the type of plan that is purchased.
6. **Get Invoice** :-To download invoice receipt for the payment which include payment amount and the member name who paid the amount.

CHAPTER – 5
IMPLEMENTATION OF MySQL

CHAPTER - 5

Implementation using MySQL

SQL Code:

```
-- phpMyAdmin SQL Dump
-- version 5.0.3
-- https://www.phpmyadmin.net/
--

-- Host: 127.0.0.1
-- Generation Time: Jan 17, 2021 at 10:14 PM
-- Server version: 10.4.14-MariaDB
-- PHP Version: 7.4.11

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `stargym`
--

DELIMITER $$
--
-- Procedures
--
CREATE DEFINER=`root`@`localhost` PROCEDURE `sample` (IN `id` VARCHAR(20))  BEGIN
select * from enrolls_to e,plan p WHERE uid=id and e.pid=p.pid ;
end$$

DELIMITER ;

-- --------------------------------------------------------

--
-- Table structure for table `address`
--

CREATE TABLE `address` (
  `id` varchar(20) NOT NULL,
  `streetName` varchar(40) NOT NULL,
  `state` varchar(15) NOT NULL,
  `city` varchar(15) NOT NULL,
  `zipcode` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `address`
--
```

```
INSERT INTO `address` (`id`, `streetName`, `state`, `city`, `zipcode`) VALUES
('1529336794', '2069  Quar
ry Drive', 'NC', 'Greensboro', '27409'),
('1610366535', '27th street', 'Karnataka', 'Bangalore', '560029'),
('1610695969', '24', 'Karnataka', 'Bangalore', '560034'),
('1610697701', '21', 'karnataka', 'bangalore', '560029'),
('1610912732', 'sdfghjk', 'wedfghjkl', 'fhjkl', '523456'),
('1610915577', '21', 'karnataka', 'bangalore', '560004');

-- --------------------------------------------------------

--
-- Table structure for table `admin`
--

CREATE TABLE `admin` (
  `username` varchar(20) NOT NULL,
  `pass_key` varchar(20) NOT NULL,
  `securekey` varchar(20) NOT NULL,
  `Full_name` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `admin`
--

INSERT INTO `admin` (`username`, `pass_key`, `securekey`, `Full_name`) VALUES
('admin1', 'admin1', 'admin1', 'Titanium Gym');

-- --------------------------------------------------------

--
-- Table structure for table `enrolls_to`
--

CREATE TABLE `enrolls_to` (
  `et_id` int(5) NOT NULL,
  `pid` varchar(8) NOT NULL,
  `uid` varchar(20) NOT NULL,
  `paid_date` varchar(15) NOT NULL,
  `expire` varchar(15) NOT NULL,
  `renewal` varchar(15) NOT NULL,
  `trans_id` varchar(15) NOT NULL,
  `mode` varchar(15) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `enrolls_to`
--

INSERT INTO `enrolls_to` (`et_id`, `pid`, `uid`, `paid_date`, `expire`, `renewal`, `trans_id`, `mode`)
VALUES
(1, 'POQKJC', '1529336794', '2020-12-18', '2021-12-18', 'no', '15678', 'upi'),
(12, 'YCVMAZ', '1529336794', '2021-01-13', '2021-04-13', 'yes', '467964535468', 'credit card'),
(17, 'YCVMAZ', '1610695969', '2021-01-15', '2020-10-05', 'no', '1234005678', 'debit card'),
(18, 'YCVMAZ', '1610695969', '2021-01-15', '2021-04-15', 'yes', '345008904', 'cash'),
(19, 'WHTGLO', '1610697701', '2021-01-15', '2020-08-06', 'no', '234005678', 'cash'),
(20, 'WHTGLO', '1610697701', '2021-01-15', '2021-08-15', 'yes', '23400456', 'debit card'),
(23, 'WHTGLO', '1610912732', '2021-01-18', '2021-08-11', 'yes', '2345678909', 'UPI(google pay)'),
(24, 'WHTGLO', '1610915577', '2021-01-18', '2021-08-17', 'yes', '23400298', 'cash');

-- --------------------------------------------------------

--
-- Table structure for table `plan`
--

CREATE TABLE `plan` (
  `pid` varchar(8) NOT NULL,
  `planName` varchar(20) NOT NULL,
  `description` varchar(200) NOT NULL,
  `validity` bigint(3) NOT NULL,
  `amount` int(10) NOT NULL,
  `active` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `plan`
--

INSERT INTO `plan` (`pid`, `planName`, `description`, `validity`, `amount`, `active`) VALUES
('NEUVAQ', 'Gold', '6 month plan plus one month free ', 7, 1000, 'no'),
('POQKJC', 'Monthly Plan', 'A monthly subscription that unlocks the entire Gym Plan app and coach
support on chat.', 1, 600, 'no'),
('WHTGLO', 'Gold', '6 month plan plus one month free ', 7, 1000, 'yes'),
('YCVMAZ', 'Silver', 'Duration for 3 months', 3, 500, 'no');

-- --------------------------------------------------------

--
-- Table structure for table `trainer_allocated`
--

CREATE TABLE `trainer_allocated` (
  `gid` int(5) NOT NULL,
  `grp` varchar(20) DEFAULT NULL,
  `trainer_id` varchar(20) NOT NULL,
  `tname` varchar(20) NOT NULL,
  `remarks` varchar(200) DEFAULT NULL,
  `uid` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `trainer_allocated`
--

INSERT INTO `trainer_allocated` (`gid`, `grp`, `trainer_id`, `tname`, `remarks`, `uid`) VALUES
(1, 'body building', '345678', 'harshita', 'doing good', '1529336794'),
(4, 'yoga', '12300567', 'amit', 'not doing properly', '1610366535'),
(13, 'body_building', '124560089', 'ashdeep', 'no remark', '1610697701'),
(14, 'body building', '23456009', 'dev', 'no', '1610912732'),
(15, 'aerobics', '236789', 'harshit', '', '1610915577');

-- --------------------------------------------------------
```

```
--
-- Table structure for table `users`
--

CREATE TABLE `users` (
  `userid` varchar(20) NOT NULL,
  `username` varchar(40) NOT NULL,
  `gender` varchar(8) NOT NULL,
  `mobile` bigint(20) NOT NULL,
  `email` varchar(100) NOT NULL,
  `dob` varchar(10) NOT NULL,
  `joining_date` varchar(10) NOT NULL,
  `trans_id` varchar(20) NOT NULL,
  `mode` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `users`
--

INSERT INTO `users` (`userid`, `username`, `gender`, `mobile`, `email`, `dob`, `joining_date`,
`trans_id`, `mode`) VALUES
('1529336794', 'Dhruv Varshney', 'Male', 9773577033, 'dhruv@gmail.com', '2000-01-26', '2020-12-
18', '10069007821', 'cash'),
('1610366535', 'Akhil', 'Male', 7890567334, 'akhil@gmail.com', '2021-01-12', '2021-01-05', '4567890',
'cash'),
('1610695969', 'praveen', 'Male', 9773577033, 'pawannayak@yahoo.com', '2007-09-14', '2020-07-05',
'1234005678', 'debit card'),
('1610697701', 'deepak', 'Male', 6789005672, 'erfghjjk@12.com', '2008-05-05', '2020-01-06',
'234005678', 'cash'),
('1610912732', 'weryui', 'Female', 4567890234, 'dfghj@df.com', '2020-12-27', '2021-01-11',
'2345678909', 'UPI(google pay)'),
('1610915577', 'deekshitha', 'Female', 6784567809, 'ertyujmnv@12.com', '2020-12-27', '2021-01-17',
'23400298', 'cash');

--
-- Triggers `users`
--
DELIMITER $$
CREATE TRIGGER `format_email` BEFORE INSERT ON `users` FOR EACH ROW BEGIN
IF NEW.`email` NOT LIKE '%@%.com' THEN
SIGNAL SQLSTATE VALUE '45000'
SET MESSAGE_TEXT = '[table:users] - `email` column is not valid';
END IF;
END
$$
DELIMITER ;
DELIMITER $$
CREATE TRIGGER `format_number` BEFORE INSERT ON `users` FOR EACH ROW BEGIN
  IF NEW.`mobile` NOT LIKE '__________' THEN
    SIGNAL SQLSTATE VALUE '45000'
      SET MESSAGE_TEXT = '[table:users] - `mobile` column is not valid';
  END IF;
END
$$
DELIMITER ;

-- --------------------------------------------------------
```

```
--
-- Table structure for table `workoutlog`
--

CREATE TABLE `workoutlog` (
  `wid` int(12) NOT NULL,
  `name` varchar(45) DEFAULT NULL,
  `logid` varchar(200) NOT NULL,
  `memid` varchar(12) DEFAULT NULL,
  `date` date DEFAULT NULL,
  `s_time` varchar(20) DEFAULT NULL,
  `e_time` varchar(20) DEFAULT NULL,
  `remark` varchar(200) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1 ROW_FORMAT=DYNAMIC;

--
-- Dumping data for table `workoutlog`
--

INSERT INTO `workoutlog` (`wid`, `name`, `logid`, `memid`, `date`, `s_time`, `e_time`, `remark`)
VALUES
(13, 'yoga', '09876', '1529336794', '2021-01-01', '10:45 A.M.', '11:45 A.M.', 'done');

--
-- Indexes for dumped tables
--

--
-- Indexes for table `address`
--
ALTER TABLE `address`
  ADD KEY `userID` (`id`) USING BTREE;

--
-- Indexes for table `admin`
--
ALTER TABLE `admin`
  ADD PRIMARY KEY (`username`) USING BTREE;

--
-- Indexes for table `enrolls_to`
--
ALTER TABLE `enrolls_to`
  ADD PRIMARY KEY (`et_id`) USING BTREE,
  ADD KEY `user_ID` (`uid`) USING BTREE,
  ADD KEY `plan_ID_idx` (`pid`) USING BTREE;

--
-- Indexes for table `plan`
--
ALTER TABLE `plan`
  ADD PRIMARY KEY (`pid`) USING BTREE,
  ADD KEY `pid` (`pid`) USING BTREE;

--
-- Indexes for table `trainer_allocated`
--
```

```
ALTER TABLE `trainer_allocated`
  ADD PRIMARY KEY (`gid`) USING BTREE,
  ADD UNIQUE KEY `trainer_id` (`trainer_id`),
  ADD KEY `userID_idx` (`uid`) USING BTREE;

--
-- Indexes for table `users`
--
ALTER TABLE `users`
  ADD PRIMARY KEY (`userid`) USING BTREE,
  ADD UNIQUE KEY `trans_id` (`trans_id`),
  ADD KEY `userid` (`userid`) USING BTREE;

--
-- Indexes for table `workoutlog`
--
ALTER TABLE `workoutlog`
  ADD PRIMARY KEY (`wid`) USING BTREE,
  ADD UNIQUE KEY `logid` (`logid`),
  ADD KEY `f2` (`memid`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `enrolls_to`
--
ALTER TABLE `enrolls_to`
  MODIFY `et_id` int(5) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=25;

--
-- AUTO_INCREMENT for table `trainer_allocated`
--
ALTER TABLE `trainer_allocated`
  MODIFY `gid` int(5) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=16;

--
-- AUTO_INCREMENT for table `workoutlog`
--
ALTER TABLE `workoutlog`
  MODIFY `wid` int(12) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=14;

--
-- Constraints for dumped tables
--

--
-- Constraints for table `address`
--
ALTER TABLE `address`
  ADD CONSTRAINT `userID` FOREIGN KEY (`id`) REFERENCES `users` (`userid`) ON
DELETE CASCADE ON UPDATE NO ACTION;

--
-- Constraints for table `enrolls_to`
--
ALTER TABLE `enrolls_to`
```

```
  ADD CONSTRAINT `plan_ID` FOREIGN KEY (`pid`) REFERENCES `plan` (`pid`) ON
DELETE NO ACTION ON UPDATE NO ACTION,
  ADD CONSTRAINT `user_ID` FOREIGN KEY (`uid`) REFERENCES `users` (`userid`) ON
DELETE CASCADE ON UPDATE NO ACTION;

--
-- Constraints for table `trainer_allocated`
--
ALTER TABLE `trainer_allocated`
  ADD CONSTRAINT `uID` FOREIGN KEY (`uid`) REFERENCES `users` (`userid`) ON DELETE
CASCADE ON UPDATE NO ACTION;

--
-- Constraints for table `workoutlog`
--
ALTER TABLE `workoutlog`
  ADD CONSTRAINT `f2` FOREIGN KEY (`memid`) REFERENCES `users` (`userid`);
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

CHAPTER – 6

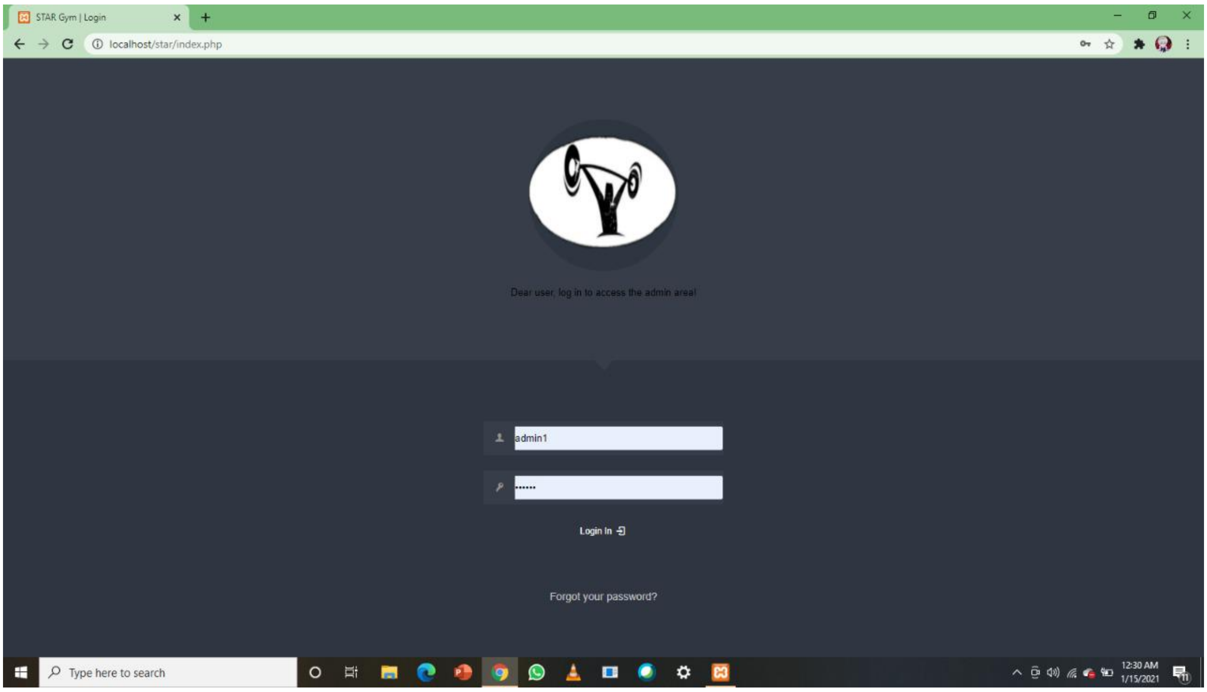
TESTING AND SNAPSHOTS

CHAPTER 6

TESTING

Test Scenario	Test Data	Expected Output	Actual output	Result
Login with correct password	Username:admin1 Password:admin1	Home page	As expected	Login successfully
Login with wrong password	Username:admin1 Password:admin	Warning message	can't login	Login fail
Add new member	Correct member details including correct information	Member added Successfully message	As expected	success
Add new member	Incorrect data provided	Member added failed message	Can not able to add	failure
Add Payment	Payment id:1234 Along with other details	Successfully added	As expected	success
Assigning Workoutlog	Wid:1234 Memid should be there in the member table	Successfully added	As Expected	Success
Assigning Workoutlog	Wid:1234 Memid entered which is not there in the member table	Workout added Failed	Please enter valid Member id	Failure
Assigning trainer	Trainer_id:2345	Trainer updated	As expected	Success

Snapshots



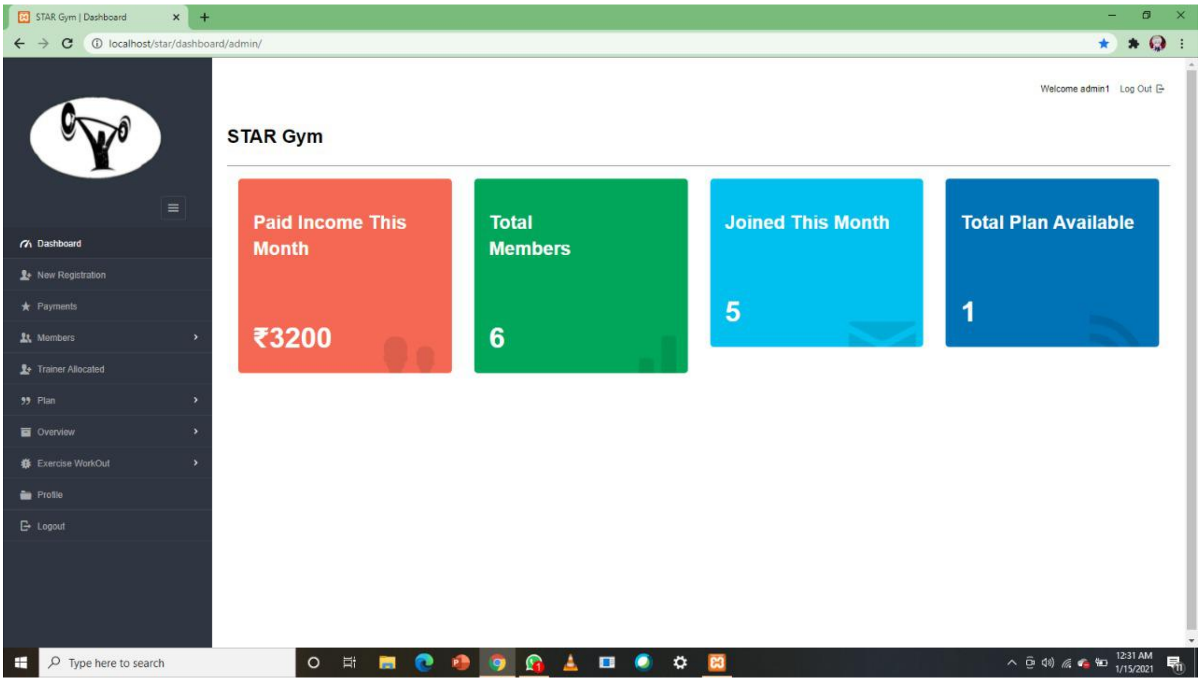
Dear user, log in to access the admin area!

admin1

••••••

Forgot your password?

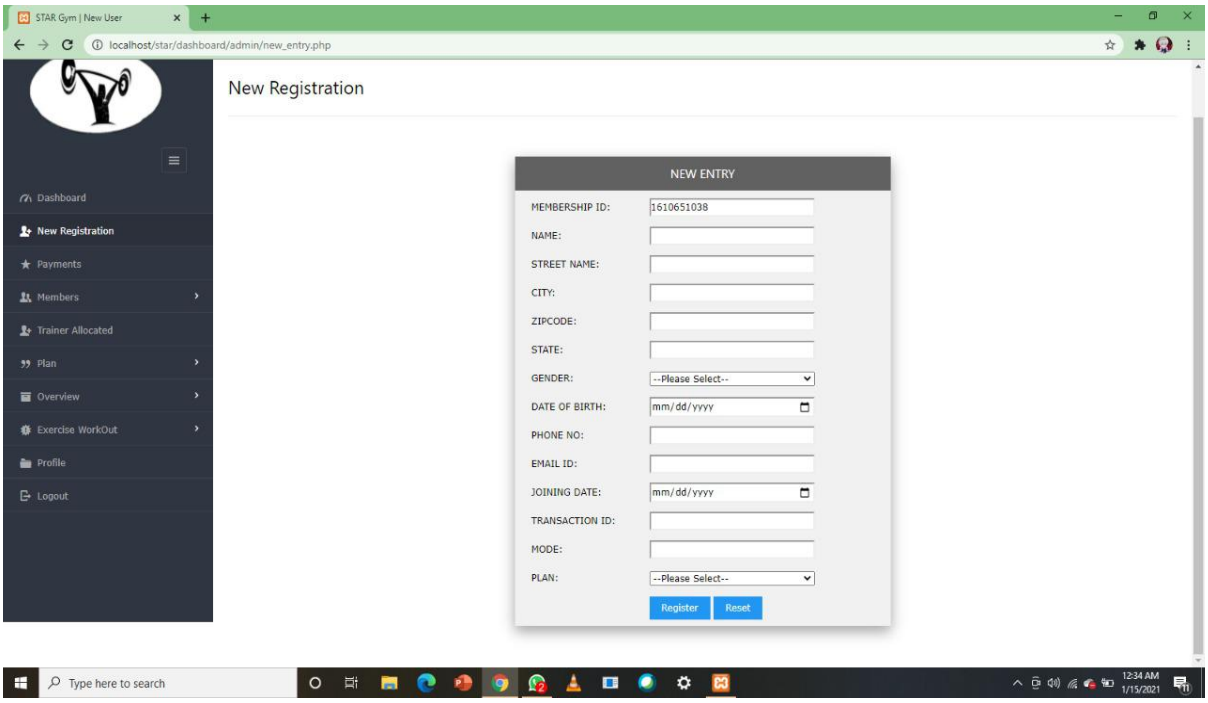
Figure 6.1: Admin Page



STAR Gym

Paid Income This Month	Total Members	Joined This Month	Total Plan Available
₹3200	6	5	1

Figure 6.2: Admin Dashboard

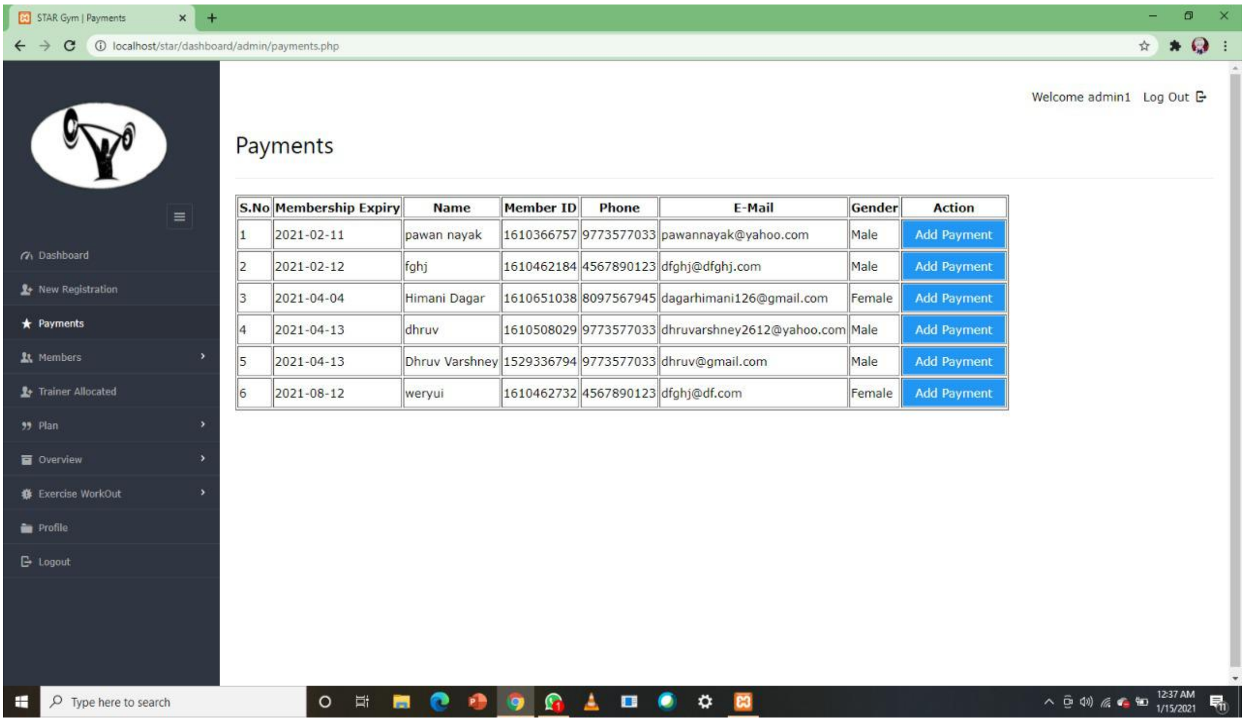


New Registration

NEW ENTRY

MEMBERSHIP ID:	1610651038
NAME:	
STREET NAME:	
CITY:	
ZIPCODE:	
STATE:	
GENDER:	--Please Select--
DATE OF BIRTH:	mm/dd/yyyy
PHONE NO:	
EMAIL ID:	
JOINING DATE:	mm/dd/yyyy
TRANSACTION ID:	
MODE:	
PLAN:	--Please Select--

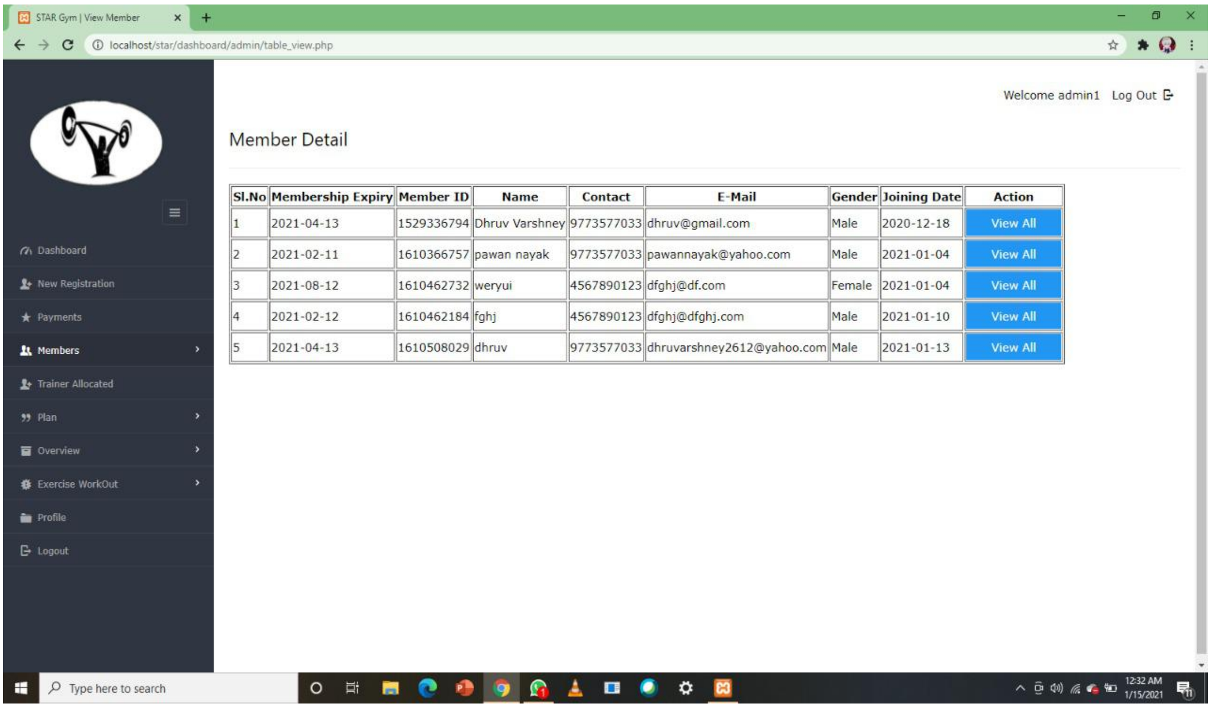
Figure 6.3: New Registration of Users



Payments

S.No	Membership Expiry	Name	Member ID	Phone	E-Mail	Gender	Action
1	2021-02-11	pawan nayak	1610366757	9773577033	pawannayak@yahoo.com	Male	Add Payment
2	2021-02-12	fghj	1610462184	4567890123	dfghj@dfghj.com	Male	Add Payment
3	2021-04-04	Himani Dagar	1610651038	8097567945	dagarhimani126@gmail.com	Female	Add Payment
4	2021-04-13	dhruv	1610508029	9773577033	dhruvarshney2612@yahoo.com	Male	Add Payment
5	2021-04-13	Dhruv Varshney	1529336794	9773577033	dhruv@gmail.com	Male	Add Payment
6	2021-08-12	weryui	1610462732	4567890123	dfghj@df.com	Female	Add Payment

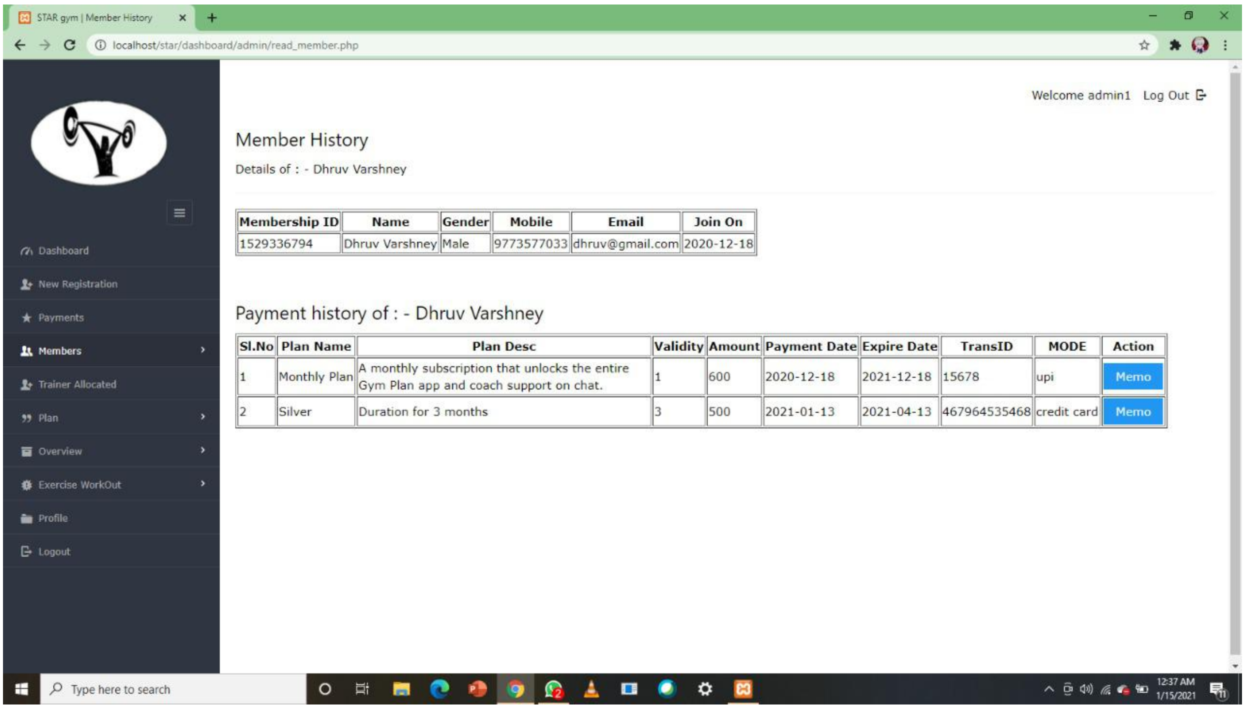
Figure 6.4: Payments Record



Member Detail

Sl.No	Membership Expiry	Member ID	Name	Contact	E-Mail	Gender	Joining Date	Action
1	2021-04-13	1529336794	Dhruv Varshney	9773577033	dhruv@gmail.com	Male	2020-12-18	View All
2	2021-02-11	1610366757	pawan nayak	9773577033	pawannayak@yahoo.com	Male	2021-01-04	View All
3	2021-08-12	1610462732	weryui	4567890123	dfghj@df.com	Female	2021-01-04	View All
4	2021-02-12	1610462184	fghj	4567890123	dfghj@dfghj.com	Male	2021-01-10	View All
5	2021-04-13	1610508029	dhruv	9773577033	dhruvarshney2612@yahoo.com	Male	2021-01-13	View All

Figure 6.5: Member Details



Member History

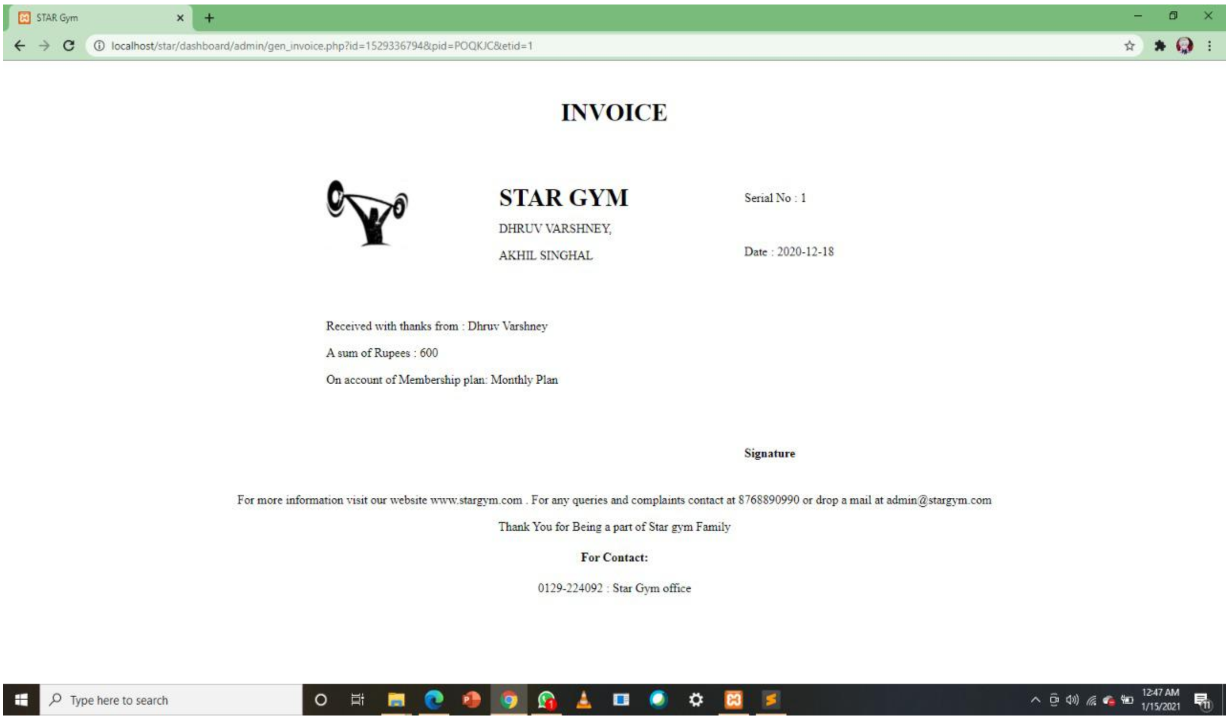
Details of : - Dhruv Varshney

Membership ID	Name	Gender	Mobile	Email	Join On
1529336794	Dhruv Varshney	Male	9773577033	dhruv@gmail.com	2020-12-18

Payment history of : - Dhruv Varshney

Sl.No	Plan Name	Plan Desc	Validity	Amount	Payment Date	Expire Date	TransID	MODE	Action
1	Monthly Plan	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	1	600	2020-12-18	2021-12-18	15678	upi	Memo
2	Silver	Duration for 3 months	3	500	2021-01-13	2021-04-13	467964535468	credit card	Memo

Figure 6.6: Member Payment History


STAR Gym
localhost/star/dashboard/admin/gen_invoice.php?id=1529336794&pid=POQKJC&etid=1
Type here to search
12:47 AM
1/15/2021

INVOICE

STAR GYM

DHRUV VARSHNEY,

AKHIL SINGHAL

Serial No : 1

Date : 2020-12-18

Received with thanks from : Dhruv Varshney

A sum of Rupees : 600

On account of Membership plan: Monthly Plan

Signature

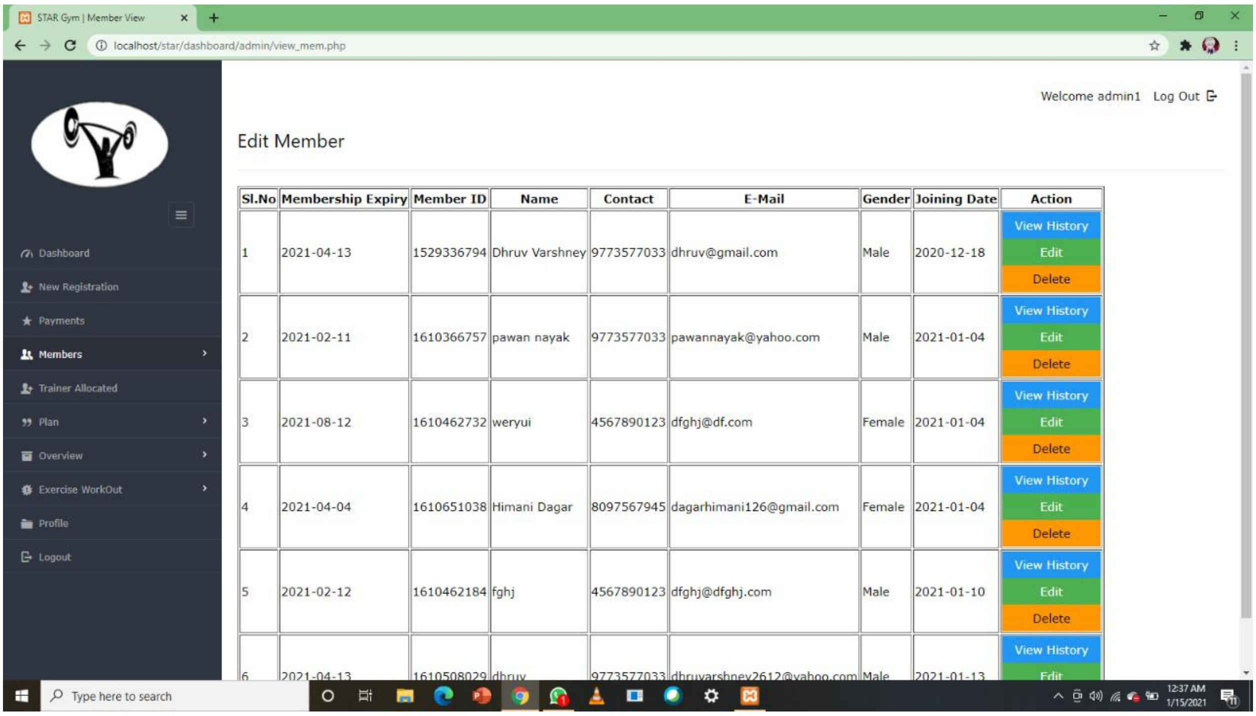
For more information visit our website www.stargym.com . For any queries and complaints contact at 8768890990 or drop a mail at admin@stargym.com

Thank You for Being a part of Star gym Family

For Contact:

0129-224092 : Star Gym office

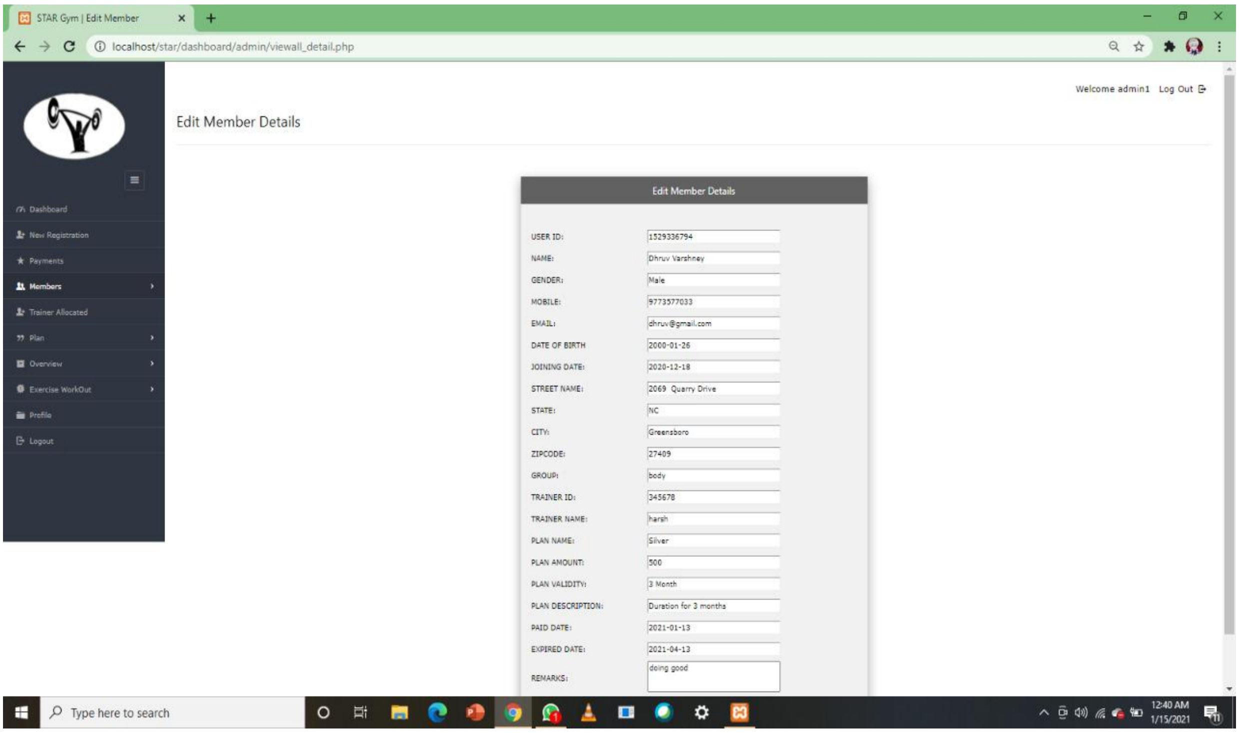
Figure 6.7: Invoice of Payment



Edit Member

Sl.No	Membership Expiry	Member ID	Name	Contact	E-Mail	Gender	Joining Date	Action
1	2021-04-13	1529336794	Dhruv Varshney	9773577033	dhruv@gmail.com	Male	2020-12-18	View History Edit Delete
2	2021-02-11	1610366757	pawan nayak	9773577033	pawannayak@yahoo.com	Male	2021-01-04	View History Edit Delete
3	2021-08-12	1610462732	weryui	4567890123	dfghj@df.com	Female	2021-01-04	View History Edit Delete
4	2021-04-04	1610651038	Himani Dagar	8097567945	dagarhimani126@gmail.com	Female	2021-01-04	View History Edit Delete
5	2021-02-12	1610462184	fghj	4567890123	dfghj@dfghj.com	Male	2021-01-10	View History Edit Delete
6	2021-04-13	1610508029	dhruv	9773577033	dhruvarshney2612@yahoo.com	Male	2021-01-13	View History Edit

Figure 6.8: Edit Member Details

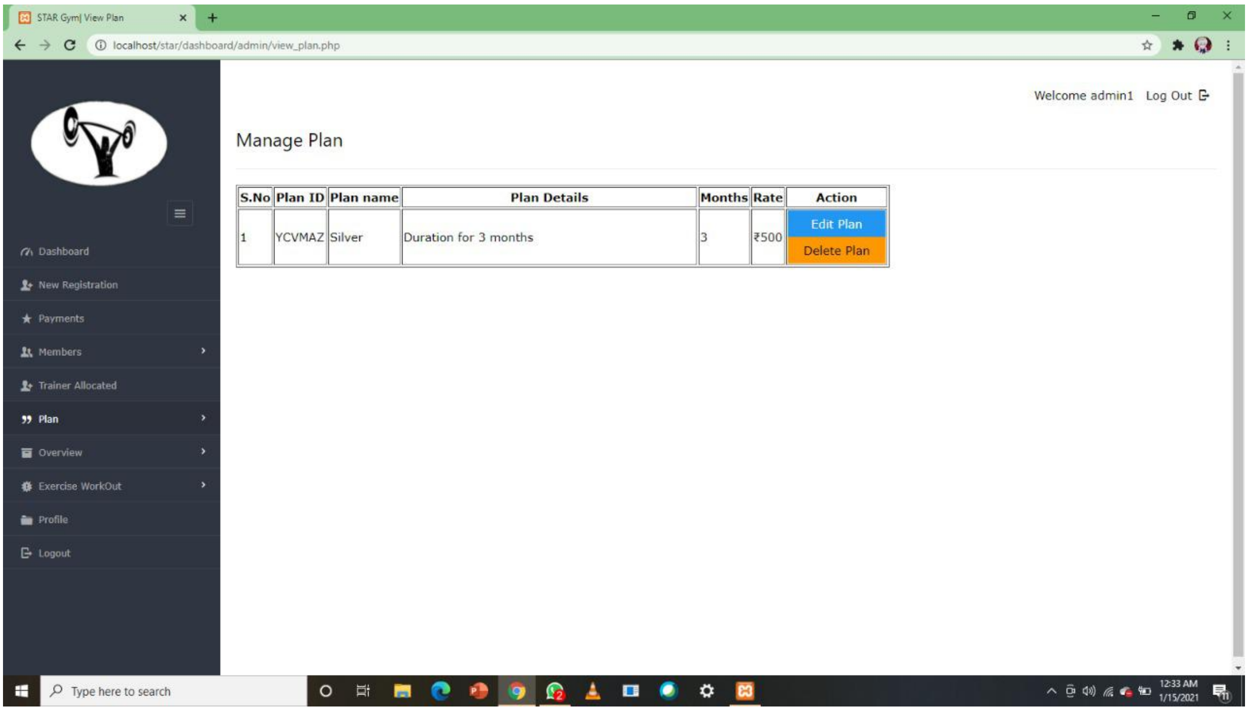


Edit Member Details

Edit Member Details

USER ID:	1529336794
NAME:	Dhruv Varshney
GENDER:	Male
MOBILE:	9773577033
EMAIL:	dhruv@gmail.com
DATE OF BIRTH	2000-01-26
JOINING DATE:	2020-12-18
STREET NAME:	2069 Quarry Drive
STATE:	NC
CITY:	Greensboro
ZIPCODE:	27409
GROUP:	body
TRAINER ID:	345678
TRAINER NAME:	harsh
PLAN NAME:	Silver
PLAN AMOUNT:	500
PLAN VALIDITY:	3 Month
PLAN DESCRIPTION:	Duration for 3 months
PAID DATE:	2021-01-13
EXPIRED DATE:	2021-04-13
REMARKS:	doing good

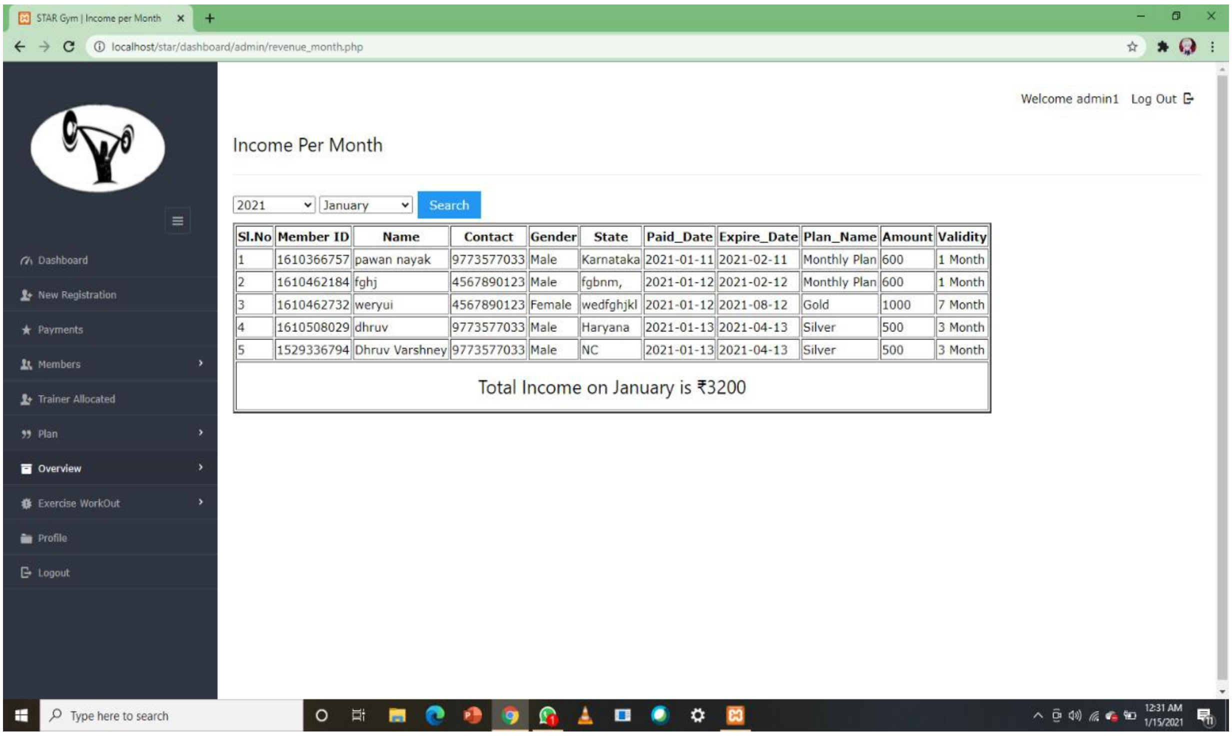
Figure 6.9: Edit Member



Manage Plan

S.No	Plan ID	Plan name	Plan Details	Months	Rate	Action
1	YCVMAZ	Silver	Duration for 3 months	3	₹500	Edit Plan Delete Plan

Figure 6.10: Trainer Allocated



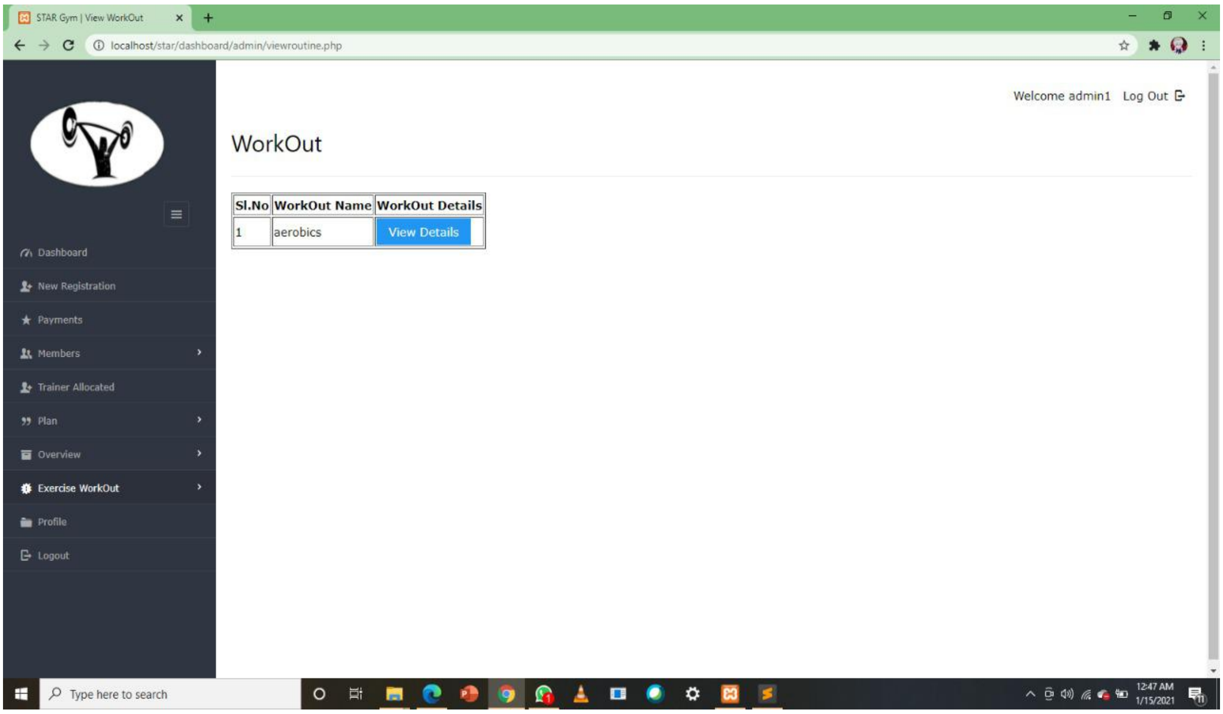
Income Per Month

2021 January Search

Sl.No	Member ID	Name	Contact	Gender	State	Paid_Date	Expire_Date	Plan_Name	Amount	Validity
1	1610366757	pawan nayak	9773577033	Male	Karnataka	2021-01-11	2021-02-11	Monthly Plan	600	1 Month
2	1610462184	fghj	4567890123	Male	fgbnm,	2021-01-12	2021-02-12	Monthly Plan	600	1 Month
3	1610462732	weryui	4567890123	Female	wedfghjkl	2021-01-12	2021-08-12	Gold	1000	7 Month
4	1610508029	dhruv	9773577033	Male	Haryana	2021-01-13	2021-04-13	Silver	500	3 Month
5	1529336794	Dhruv Varshney	9773577033	Male	NC	2021-01-13	2021-04-13	Silver	500	3 Month

Total Income on January is ₹3200

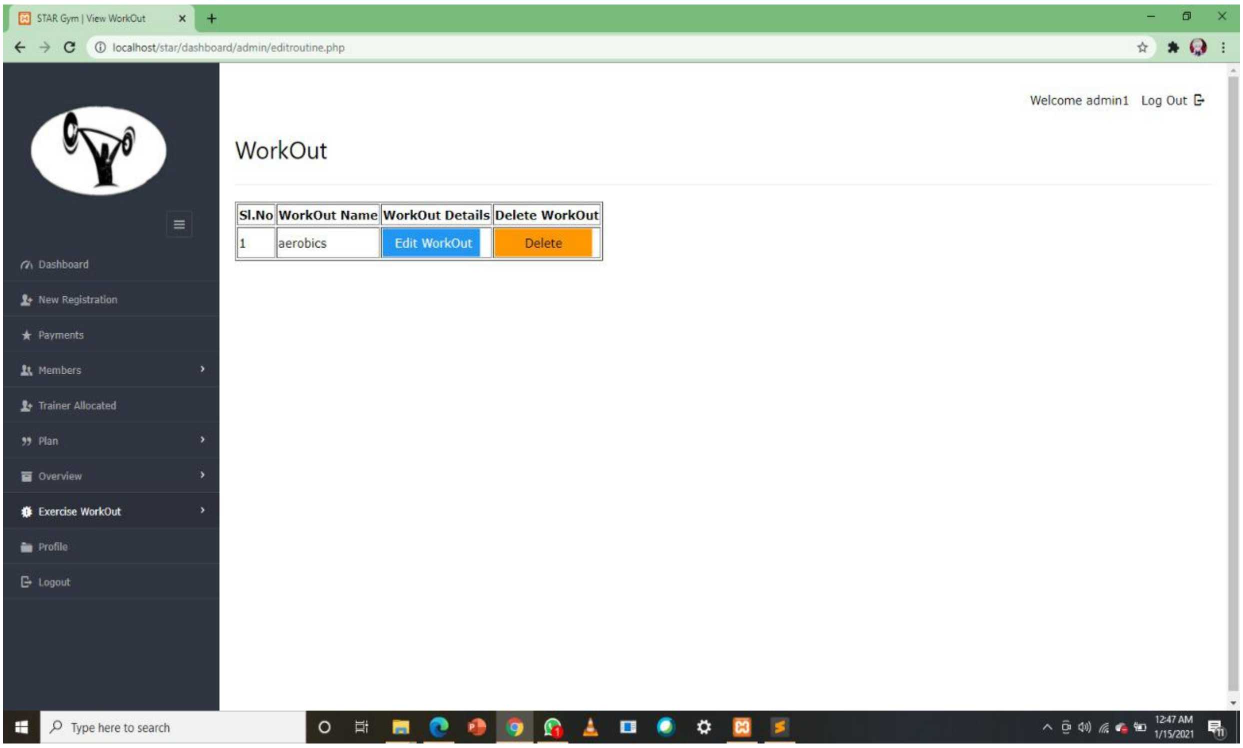
Figure 6.11: Overview



WorkOut

Sl.No	WorkOut Name	WorkOut Details
1	aerobics	View Details

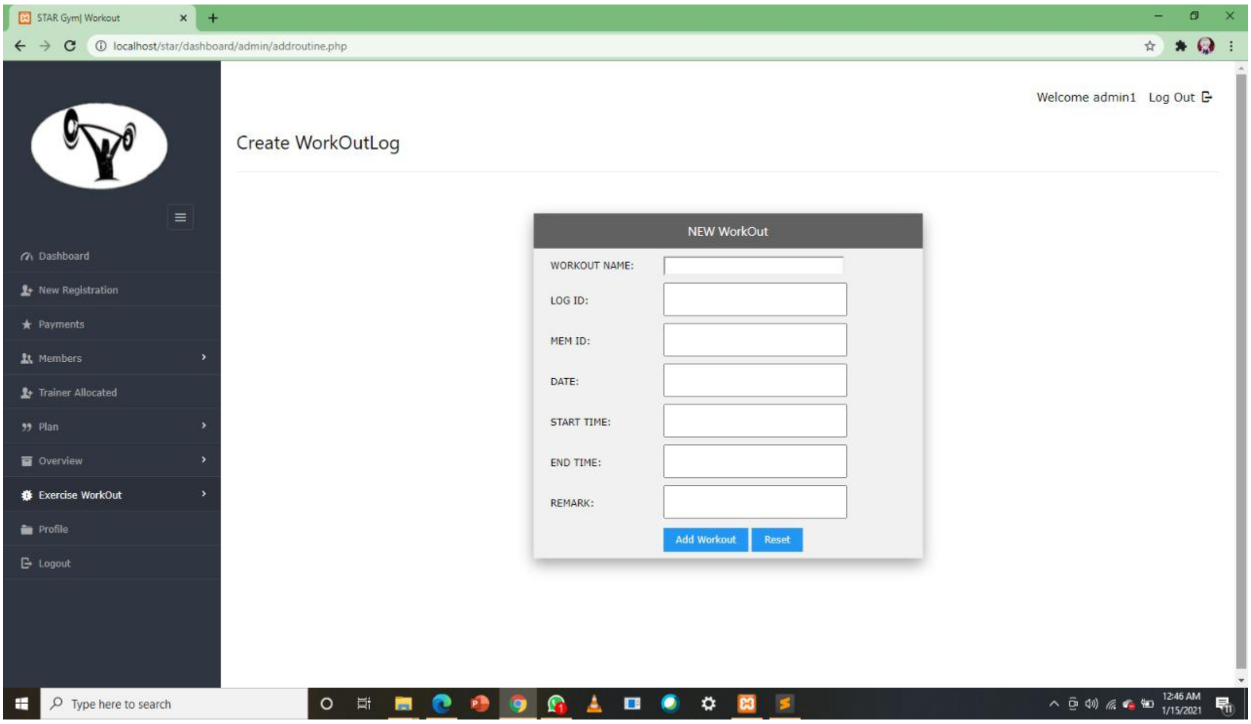
Figure 6.12: Workout Exercise



WorkOut

Sl.No	WorkOut Name	WorkOut Details	Delete WorkOut
1	aerobics	Edit WorkOut	Delete

Figure 6.13: Workout Exercise Details



Create WorkOutLog

NEW WorkOut

WORKOUT NAME:

LOG ID:

MEM ID:

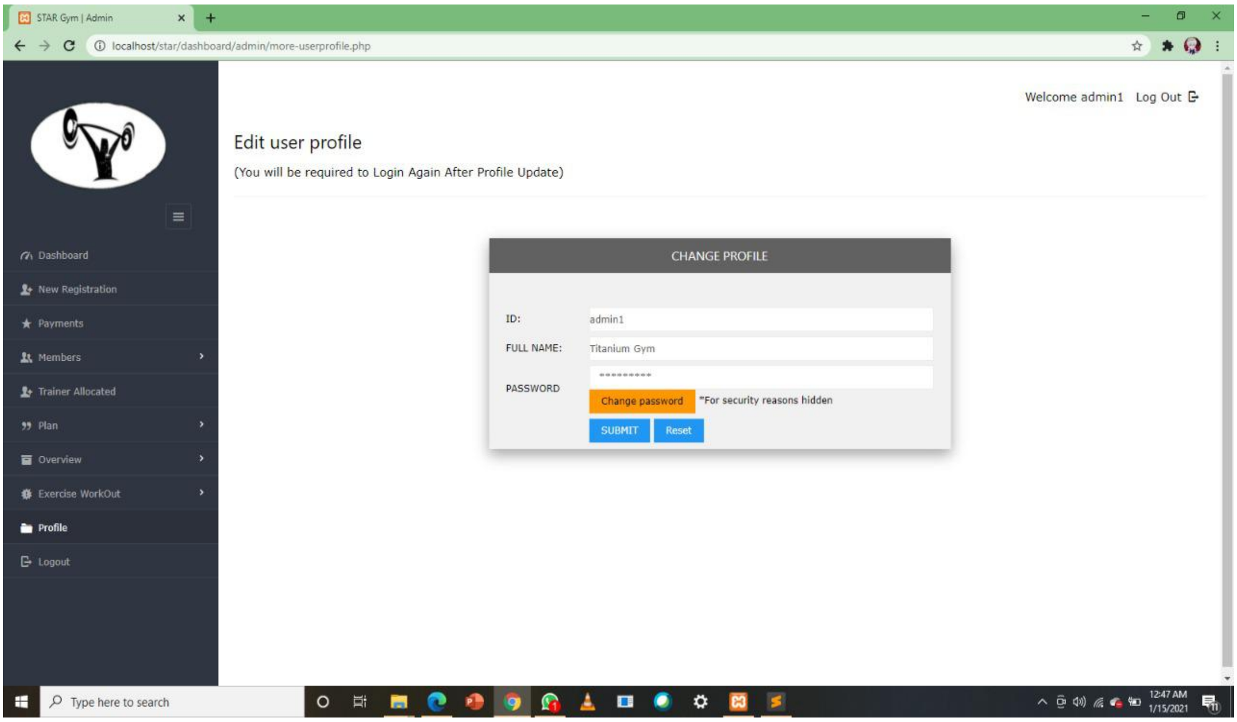
DATE:

START TIME:

END TIME:

REMARK:

Figure 6.14: Add Workout Exercise



Edit user profile

(You will be required to Login Again After Profile Update)

CHANGE PROFILE

ID: admin1

FULL NAME: Titanium Gym

PASSWORD *********

Change password *For security reasons hidden

SUBMIT Reset

Figure 6.15: Edit Admin Profile

CHAPTER – 7
APPLICATIONS

CHAPTER - 7

Applications

- Gym Management helps health clubs boost annually with features like client staff and member management, renewing memberships.
- Scalable to meet the needs of a single or multiple location club, or a large franchise, Gym Management software meets all your health club business needs all online.
- Easy Attendance Management helps to keep a daily record of every member.
- Stress-free gym billing system helps to reduce workload and documentation.
- Grow revenue with this simple management website.

CHAPTER – 8
CONCLUSION

CHAPTER – 8

Conclusion

Automation of the entire system improves the efficiency. It provides a friendly graphical user interface which proves to be better when compared to the existing system. It effectively overcomes the delay in communications. Updating information becomes so easy. Easy maintainability of the records.

This Project helps the Owner/Admin of different gym's to manage their records easily and the previous records are easily available too. They can get to know which member's payment is pending and what is their total income at the end of the month. So, with future possibilities of further improvement in this system, the initial phase of the GYM MANAGEMENT SYSTEM helps to automate various processes and keep easily accessible records for one or different gym's.