

MAHATMA GANDHI MEMORIAL COLLEGE
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PROJECT REPORT ON
"EXTREME FITNESS (GYM MANAGEMENT SYSTEM)"

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**Submitted to the Mangalore University in partial fulfilment of the Award Bachelor in
Computer Application**

MANGALORE UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE
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"Extreme Fitness (Gym Management System)"

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Vishnu U Nair

Pranam S Kumar

Nihal Kiran Shetty

Extreme Fitness (Gym Management System)



EXTREME FITNESS (GYM MANAGEMENT SYSTEM)

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1. Introduction

i) Introduction of the System:

Gym Management System developed using PHP is an excellent solution for gyms with a large/growing number of members, or fitness freaks. With its user-friendly interface it simplifies tasks such as signing up new members, handling payments, tracking attendance, managing trainers, and renewal of membership. In addition, it also offers video tutorials to the members in the absence of trainers about the workout plans and usage of gym equipment's. The project aims to make gym management easier, save time and resources, and provide a better experience for both gym owners and members.

a) Project Title:

Extreme Fitness.

b) Category:

Web application

c) Overview:

A gym management system website is an online platform designed to streamline the administration and operations of a fitness centre or gym. It serves as a centralized hub for managing various aspects of the gym, including member management, billing and payments, attendance tracking, admin management and communication with members. The website allows user for registering new members and manage Package plans. The system handles billing processes and tracking payments. It also tracks member attendance. Additionally, it offers communication tools to send payment notifications to members. Overall, a gym management system website streamlines operations, enhances member experience, and improves the efficiency of managing a fitness centre.

ii) Background:

a) Brief note on Existing System:

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The existing gym management system website is a comprehensive software application designed to efficiently handle various aspects of gym administration and member management. It offers features such as member registration, attendance tracking, billing and payment processing, member reports, trainer management. By providing a centralized platform, the website streamlines operations, enhances member experience, and improves overall efficiency in managing day-to-day gym tasks.

iii) Objectives of the System:

- The main objective of the project is to develop software that facilitates the data storage, data maintenance and its retrieval for the gym in an igneous way.
- To store the record of the user, the trainer. Also privileges to access, modify and delete any record are with the Admin.
- Only the Admin has the privilege to access any database and make the required changes, if necessary.
- To develop easy-to-use software which handles the trainer-user relationship in an effective manner.
- To develop a user-friendly system that requires minimal user training. Most of features and function are similar to those on any windows platform.

iv) Scope of the System:

The Gym Management System aims to help gym owners by automating tasks such as paper work, data entry and other administrative duties, freeing up their time to focus on delivering excellent services. It also enhances member engagement through features like sharing workout plans and video tutorials. This improves members' fitness journeys and ensures they make the most out of gym facilities.

v) Structure of the System:

Table structure

1. User

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Field Name	Data Type	Allow Null
id	Int (30)	Primary Key
name	text	Not null
username	varchar (200)	Not null
password	text	Not null

2. Usertable

Field Name	Data Type	Allow Null
id	int (11)	Primary Key
name	varchar (255)	Not null
email	varchar (255)	Not null
password	varchar (255)	Not null
code	Mediumint(50)	Not null
status	text	Not null
tid	varchar (255)	Not null
plan	varchar (255)	Not null

3. Packages

Field Name	Data Type	Allow Null
id	int (30)	Primary Key
package	varchar (200)	Not null
Description	text	Not null
amount	float	Not null
img	varchar (200)	Not null

4. Trainers

Field Name	Data Type	Allow Null

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id	nvarchar(50)	Primary Key
name	text	Not null
contact	varchar (100)	Not null
email	varchar (100)	Not null
rate	float	Not null

5. payment

Field Name	Data Type	Allow Null
email	varchar(255)	Not null
zipcode	Varchar(50)	Not null
cardno	varchar(50)	Not null
Payment_date	Varchar(255)	Not null
amount	Varchar(50)	Not null

6. Attendance

Field Name	Data Type	Allow Null
email	Varchar(255)	Primary Key
date	date	Not null
status	Varchar(255)	Not null

vi) System Architecture:

A System architecture is the conceptual model that defines the structure, behaviour and more views of the system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviours of the system.

vii) End Users:

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End users are the users who has been registered themselves with the website with their username and password. These users can make use of all the facilities and services which are provided by the website.

viii) **Software /Hardware used for the development:**

Software:

❖ Front-End:

- **HTML:** HTML or Hypertext Markup Language is markup language for the web, that defines the structure of web pages. It is one of the basic building blocks of every website, so it's crucial to learn if you want to have a career in web development.
- **CSS:** Cascading style sheets, fondly referred to as CSS, is simply designed language intended to simply the process of making web pages presentable. CSS allows you to apply styles to web pages. It describes how a webpage should look: It prescribes colours, fonts, spacing and much more.
- **Java Script:** It is programming language that conforms to the ECMA script standard and has first class functions. It is mainly used for creating dynamic, interactive and multimedia webpages, but can also run in non-browser environments.
- **Bootstrap:** Bootstrap is a free, open-source front-end development framework for creation of websites and web apps. Designed to enable responsive development of mobile-first websites. It contains HTML, CSS, JavaScript based design template for typography, forms, buttons, navigations, and other interface components.
- **PHP:** is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is a server-side scripting language that is embedded in HTML. It is used to manage dynamic content and databases

❖ Back-End:

- **MySQL(database):** MySQL is an open-source relational database management system. Like other relational database MySQL stores data

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in table made up of rows and columns. User can define, manipulate, control and query data using structured query language more commonly known as SQL.

Hardware:

- ❖ Processor - Intel core i3
- ❖ Hard disk – 500GB
- ❖ Memory – 8GB RAM

ix) Software /Hardware required for the implementation:

Software:

- ❖ Front-End: HTML, CSS, JavaScript, Bootstrap.
- ❖ Back-End: MySQL.

Hardware:

- ❖ Processor - Intel core i3
- ❖ Hard disk – 500GB
- ❖ Memory – 8GB RAM

2.SRS:

i)Introduction about SRS:

A software requirements specification (SRS) is a detailed description of a software system to be developed with its functional and non-functional requirements. The SRS is developed based on the agreement between customer and contractors. It may include the use cases of how user is going to interact with software system. A good SRS defines how software system will interact with all internal modules, hardware, communication with other programs and human user interactions with wide range of real-life scenarios.

ii)Overall Description:

a.) Product perspective:

The product perspective of a gym management system involves understanding its purpose, features, and benefits from the viewpoint of the product itself. This perspective focuses on how the system functions, what it offers to users, and its overall value proposition.

b.) Product Function:

The primary function of a gym management system is to streamline and automate various administrative tasks and operations within a gym or fitness center. The graphical user interface is provided by HTML, CSS, JavaScript, Bootstrap. This is user friendly in nature. More Efficient and fast access of all the transactions is possible.

c.) User Characteristics:

1. Gym Owners/Managers: These users typically have administrative privileges and oversee the overall operations of the gym. They require access to comprehensive data and reports for decision-making.

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2. Trainers/Instructors: Trainers and instructors interact with the system to manage members attendance, and record member information. They may also need features to guide workout plans and communicate with members.
3. Members: Members are the primary users of a gym management system, although their level of interaction may vary. They use the system to check-in at the gym by attendance allotted by trainers, view package, make payments, and track their membership details, such as attendance. Some systems may provide additional features like communication tools for member engagement through tutorial videos.

d.) General Constraints:

The developed system should run on any operating system supporting Vs Code and MySQL

e.) Assumptions:

- A gym management system is assumed to have a user-friendly interface that is easy to navigate and understand. It should require minimal training for users to effectively utilize its features and functions.
- The system assumes the presence of a centralized database that securely stores member information, payment details, and attendance records. The assumption is that the system can efficiently retrieve and update this information as needed.
- It is assumed that the gym management system incorporates robust security measures to protect sensitive member data, such as encryption, access controls, and regular backups. The system should also comply with relevant privacy regulations, ensuring the confidentiality of personal information.

iv) Functional Requirements:

Modules:

- Admin Module
 - Login
 - Admin Dashboard
 - Edit Membership package

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- Members-report
- Attendance Report
- Add Trainers
- Admin Logout

➤ User Module

- Registration
- Login.
- Membership Package
- Payment
- Payment report
- Assigning Trainer
- User Dashboard
- Renewal plans
- Upload Videos.
- User Logout

➤ Trainer Module

- Login
- Trainer Dashboard

v) Design Constraints:

There are number of factors in the client environment that may restrict the choice of a designer. Such factors include standards that must be followed, resource limits, operating environment, reliability and security requirements.

3.System Design:

i.) Introduction about System design:

System design is the process of defining elements of a system like modules, architecture, components and their interfaces and data for a system based on the specified requirements. It is the process of defining, developing and designing systems which satisfies the specific needs and requirements of a business or organization.

ii.) Assumptions and Constraints:

a.) Assumptions:

- Identify the key components and their responsibilities.
- Connect all the components so that they can communicate to each other.

b.) Constraints:

- Cost, Risk and Benefits.
- Quality, Scope and Time.

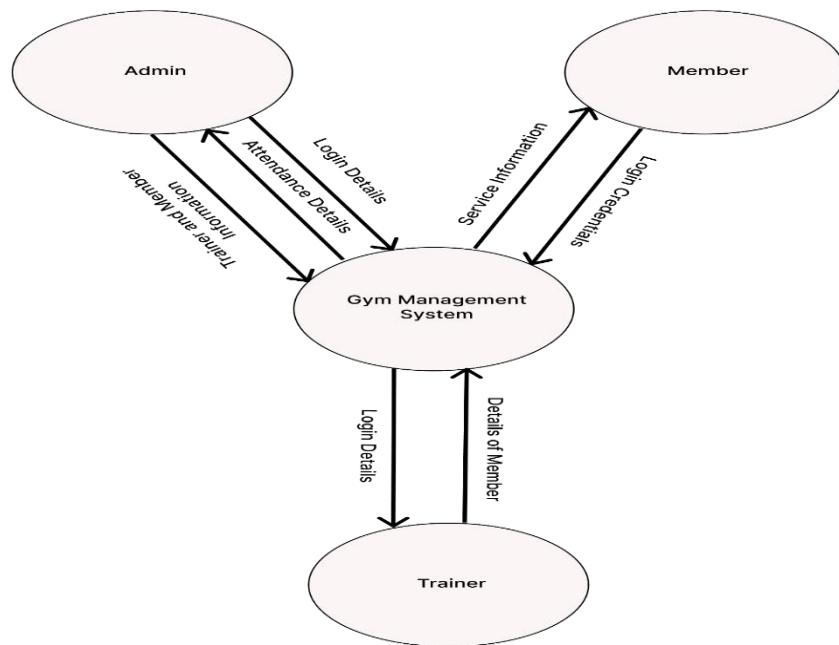
iii.) Description of Program:

a.) Context Flow Diagram (CFD):

CFD is one in which the entire system is treated as a single process and all its inputs, outputs, sinks and sources are identified. A context diagram, sometimes called a level 0 data-flow diagram, is drawn in order to define and clarify the boundaries of the software system. It identifies the flows of the information between the system and external entities. The entire software system is shown as a single process. It is used to establish the context and

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boundaries of the system to be modelled, and what is the relationship of the system with these external entities.



b.) Data Flow Diagram (DFD):

The DFD describes the flow of data, with the help of various levels in a crystal-clear way.

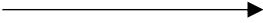
The DFD serves 2 purposes:

- To provide an indication of flow data are transformed as they move through the system.
- To depict the function that transforms the data flow. It provides the additional information that is used during the analysis of the information domain and serves as a basic for the modelling function.

The DFD is also known as Data Flow Graph or Bubble chart.

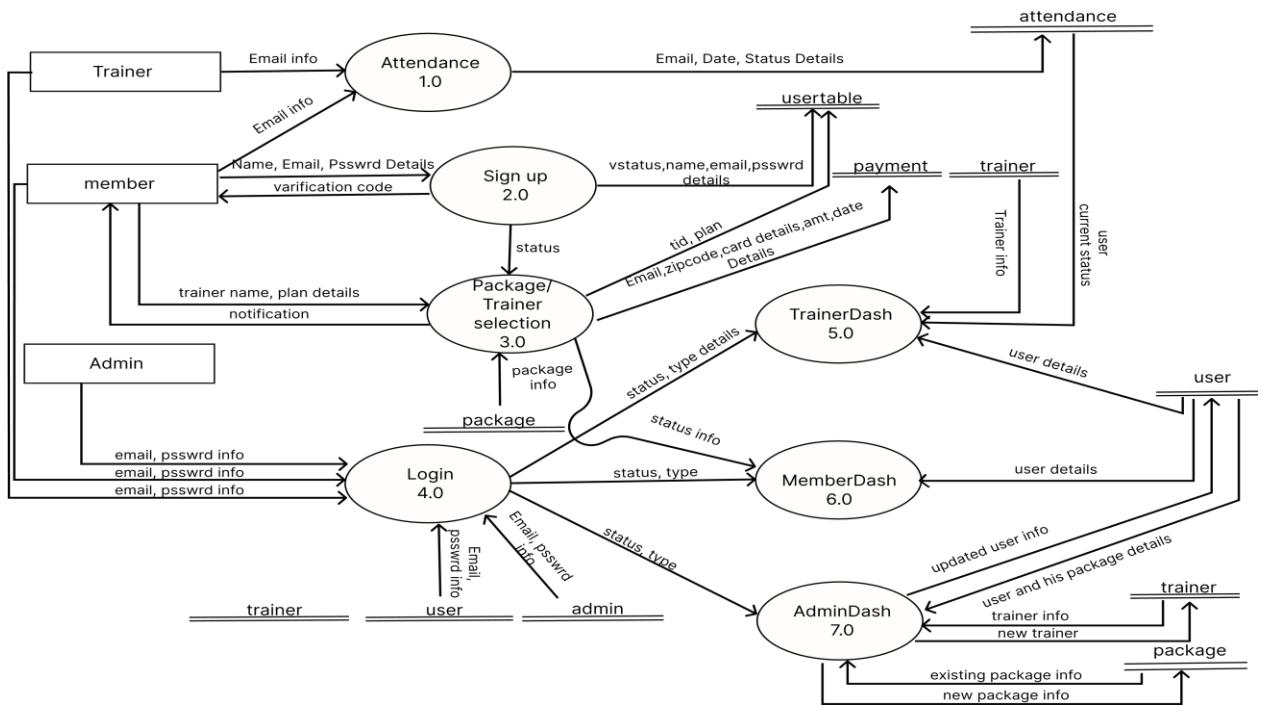
<u>Symbol</u>	<u>Name</u>	<u>Function</u>

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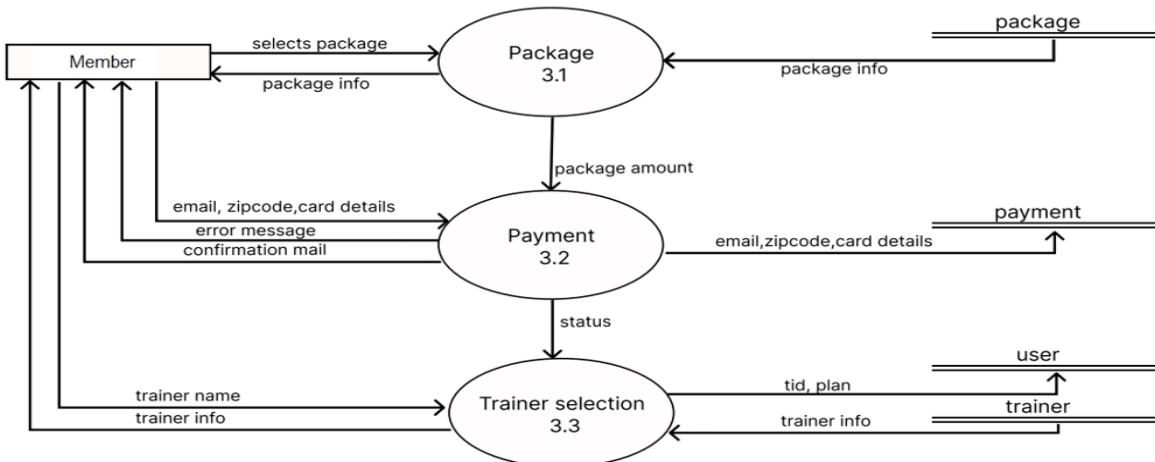
	Data Flow	Used to connect processes to each other to sources or sinks, the arrow head indicates direction of data flow
	Process	Performs some transformation of input data to yield output data.
	Source or sink	A source of System inputs or System outputs.
	Data store	A repository of data indicates net inputs and net outputs to the store.

1st Level DFD

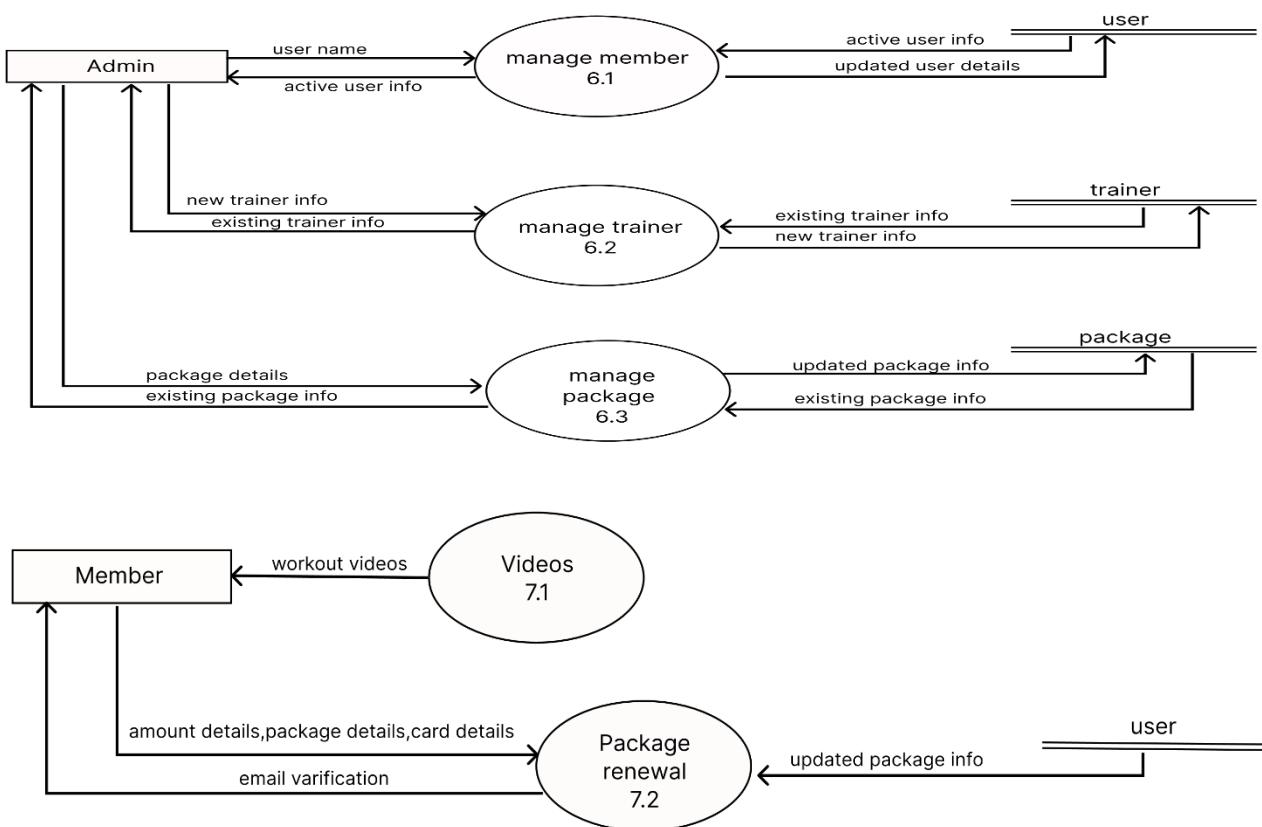
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2nd Level DFD



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iv.) Description of Components:

1. Admin Module:

- **Login:** The admin is given login credentials to log himself into the website.
- **Admin Dashboard:** In this section, Admin can see the overview of the system. It displays user information, trainer information, and package information.
- **Edit Membership package:** the admin can create, delete and update the plans whenever he wishes.

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- **Members-report:** The admin receives the final gym member-reports on a excel sheet.
- **Attendance Report:** This report lists the attendance of the members of the gym by the trainer.
- **Add Trainers:** since the trainer has to be qualified for the position, the admin registers the trainer to the gym database where the admin can add, remove and update the trainer. Trainer salary will be assigned. Later login credentials will be given to the trainer.
- **Admin Logout:** The admin is given a logout option.

2. User Module:

- **Registration:** One-time Registration is required with email verification.
- **Login:** After registration, the user can log in and apply for the membership package.
- **Membership Package:** After the user logs himself in, user/member is asked to choose a membership package from a list of plans.
- **Payment:** After choosing the package, Payment form will be available where user can make card payments with validating the card details.
- **Payment report:** After payment, a successful payment Receipt will be sent to the current email of the user.
- **Assigning Trainer:** After payment, the user is able to choose trainers.
- **User Dashboard:** In this section, User logs in to Dashboard where users can see the current membership plans.
- **Renewal plans:** On user dashboard, there is a feature of renewal of plans after the current package ends. This page will again redirect to choosing a membership package.
- **Upload Videos:** User is Provided video tutorials on how the equipment's at the gym works. These short video tutorials are helpful for new users to enlighten them on how to properly use the provided machinery according to their workout plans.
- **User Logout:** The user is given a logout option.

3. Trainer Module:

- **Login:** The admin gives login credentials to trainer to log himself into the trainer Dashboard.
- **Trainer Dashboard:** In this section, Trainer can track the attendance status of the members through dashboard. The trainer can also look into the listings of the members trained under him.

4.Database Design:

i.) Introduction:

Database design is the organization of data according to database model. The designer determines what data must be stored and how the data elements interrelate. With this information, they can begin to fit the data to the database model. Database management system manages the data accordingly. Database design involves classifying data and identifying interrelationships.

ii.) Schema information:

userform usertable ✓ id : int(11) ☐ name : varchar(255) ☐ email : varchar(255) ☐ password : varchar(255) # code : mediumint(50) ☐ status : text ☐ tid : varchar(255) ☐ plan : varchar(255)	userform trainers ✓ id : int(30) ☐ name : text ☐ contact : varchar(100) ☐ email : varchar(100) # rate : float	userform payments ☐ email : varchar(255) ☐ zipcode : varchar(50) ☐ cardno : varchar(50) ☐ payment_date : varchar(255) ☐ amount : varchar(50)
userform users ✓ id : int(30) ☐ name : text ☐ username : varchar(200) ☐ password : text	userform packages ✓ id : int(30) ☐ package : varchar(200) ☐ description : text # amount : float ☐ img : varchar(255)	userform attendance ☐ email : varchar(225) ☐ date : date ☐ status : varchar(225)

iii.) Data Dictionary:

Password: “/^(?=.*[A-Z])(?=.*\W).{8,}”

Card Pattern:

- Card no:” ^\d{16}”
- Cvv: “^\d{3}”

iv)ER Diagram:

Entity Relationship (ER) Diagram:

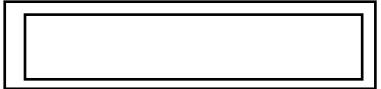
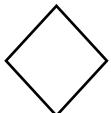
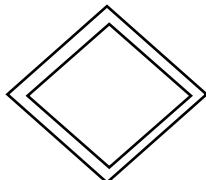
- Entity Relationship Model is a popular high-level conceptual model.
- This model and its variation are frequently used for the conceptual design of database

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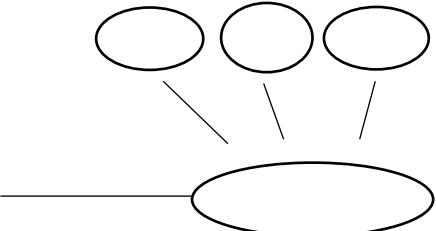
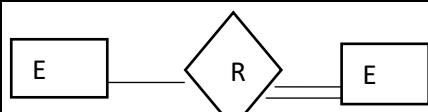
applications and many database design tools employ its concepts.

- The main focus of ER modelling is data items in the system and relationship between them.
- Its main aim is to create an ER model for the data and user perspective.
- An entity type defines the collection of entries that have same attributes.
- Each entity type in database is described by its name and attributes.
- The collection of all entries of a particular entity type in the database at any point in the time is called an Entity Set.
- An Entity describes the schema or intention for the set of entries that share same structure.
- An Entity is usually having any attribute whose values are distinct for each individual entity in entity set such attribute is called Key Attribute.

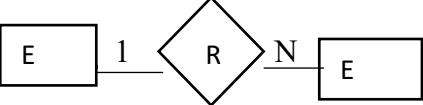
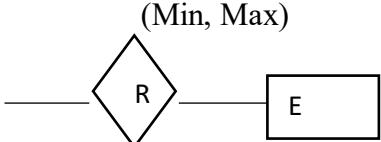
Basic Entity Relationship (ER) Notation (Symbols):

Symbol	Meaning
	<u>Entity</u> An entity may be defined as a thing capable of an independent existence that can be uniquely identified.
	<u>Weak Entity</u> It depends on some other entity type. They do not have primary key, and have no meaning in the diagram without their parent entity.
	<u>Relationship</u> Relationships are associations between or among entities.
	<u>Identifying Relationship</u> It represents a relation between a weak entity and its owner strong entity.

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	<p><u>Attribute</u></p> <p>Attributes are characteristics of an entity. A many to many relationships or a one-to-one relationship.</p>
	<p><u>Key attribute</u></p> <p>Key attribute uniquely identifies an entity from an entity set. It underlines the text of key attribute.</p>
	<p><u>Multivalued attribute</u></p> <p>It can take more than one value.</p>
	<p><u>Composite attribute</u></p> <p>The attributes which can be divided into two or more attributes.</p>
	<p><u>Derived attribute</u></p> <p>The attributes whose value can be calculated from related attribute values.</p>
	<p><u>Total participation of E2 in R</u></p> <p>Every entity in E participates in at least one relationship in R.</p>

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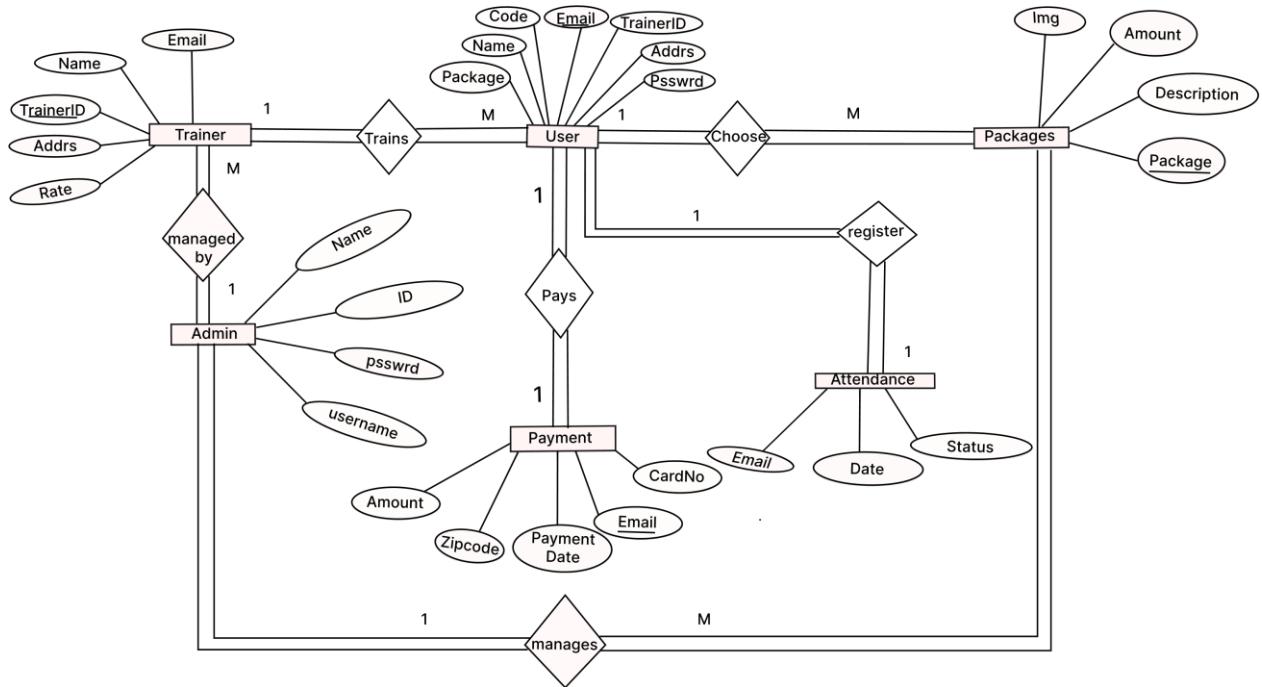
	<p>Cardinality Ratio 1: N for E1:E2</p> <p>Maximum no of relationship instances that an entity can participate in possible cardinality ratio.</p>
	<p>Structural constraint (Min, Max) on participation of E in R</p> <p>Cardinality ratios and Participation constraints taken together are called Structural constraint.</p>

Summary of Notation of ER Diagram:

- Entity types are shown in rectangle boxes. Relationship types are shown in diamond shape boxes attached to the participating entity types with straight lines. Attributes are shown in ovals, and straight line to its entity type or relationship type attaches each attribute.
- Component attributes of a composite attributes are attached to a oval representing the composite attributes, Multi valued attributes area shown in double ovals. Key attributes have their names underdefined. Derived attributes are shown in dotted ovals.

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ERDIAGRAM



v.) Database Administration:

a.) Support software required:

Visual studio code is a free coding editor that helps you start coding quickly. Use it to code in any programming language, without switching editors. Visual studio code has support for many languages, including Python, Java, C++, JavaScript, and more.

MySQL is an open-source relational database management system. Like other relational database MySQL stores data in table made up of rows and columns. User can define, manipulate, control and query data using structured query language more commonly known as SQL.

c.) Storage requirements:

- Processor - Intel core i3
- Hard disk – 500GB
- Memory – GB RAM

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c.) Backup and recovery:

- Migrate databases.
- Refresh development environments.
- Import and export database.
- Handle single or multiple database instances.

5.Detailed Design:

Introduction:

Detail Design is perhaps the most intense stage of the product development process. Here design engineers work out in detail, all aspects of the product, determining how each module will work and interact. Core activities include component design and selecting bought – out parts. The detail stage of the design process may also involve research, analysis and rigorous testing to ensure the proposed solutions meet the requirements and specification criteria. Activities vary significantly, depending on the complexity of the product and the industry sector.

6. Program code listing:

```

# about.css
# about.php
# admin_class.php
# admin.png
# ajax.php
# app.css
# attendance.php
# attendance.png
# calendar.css
# calendar.php
# connection.php
# controllerUserData.php
# db_connect.php
# delete.php
# EF.png
# events.php
# forgot-password.php
# gym2.png
# header.php
# home.css
# home.php
# homeuser.php
# img3.png
# index (1).php
# index.php
# jim.png
# login-user.php
# login.php
# login.png
# logo.png
# logout-user.php
# manage_user.php
# members.php
# membership.php
# membership1.png
# membership2.png
# membership3.png
# navbar.php
# new-password.php
# packages.php
# password-changed.php
# pay.php
# payment.css
# payment.php
# pexels-engin-akyurt-1943483-3840x2160-25...
# plans.css
# process.php
# report.php
# reset-code.php
# schedule.php
# selecttrainer.php
# signup-user.php
# stylee.css
# topbar.php
# trainer.css
# trainer.jpg
# trainer.php
# trainer.png
# trainerDash.css
# trainerDash.php

# trainerlogin.php
# trconnection.php
# user-otp.php
# users.php
JS video.js
# video.php
# video1.css

```

Home page

App.css

```

@import
url('https://fonts.googleapis.com/css2?family=Philosopher:wght@700&family=Poppins:wght@300
;400;500&display=swap');

*{
margin: 0;
padding: 0;
outline: none;
border: none;
text-decoration: none;

```

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```
box-sizing: border-box;  
transition: 0.2s linear;  
text-transform: capitalize;  
font-family: "Poppins", sans-serif;  
}
```

```
body{  
background-color: rgb(14, 14, 14);  
}  
.background-clip{  
object-fit: cover;  
position: absolute;  
right: 0;  
bottom: 0;  
z-index: -1;  
}  
.btn{  
margin-top: 2rem;  
width: 150px;  
padding: 12px;  
color: #eee9e9;  
background: rgba(236, 11, 11, 0.76);  
font-size: 16px;  
border-radius: 4px;  
cursor: pointer;  
}  
.btn:hover{  
background:rgb(246, 172, 62);  
transition: 0.4s;  
}  
/* Header */
```

Extreme Fitness (Gym Management System)

```
.header{  
    position: fixed;  
    top: 0;  
    left: 0;  
    right: 0;  
    z-index: 1000;  
    padding: 1.5rem 8%;  
    display: flex;  
    align-items: center;  
    color: #fff;  
    justify-content: space-between;  
}  
  
.header .logo{  
    font-size: 22px;  
    font-weight: bolder;  
    color: #fff;  
    padding-right: 10px;  
    margin-right: 20rem;  
}  
  
.header .logo i{  
    color: #fff;  
    padding: 0.5rem;  
}  
  
.header .navbar a{  
    font-size: 1.1rem;  
    margin: 0 1rem;  
    color: #fff;  
}  
  
.header .navbar a:hover{  
    color: #f5ed09;  
}
```

Extreme Fitness (Gym Management System)

```
.header .btn{
```

```
/* background: red; */
```

```
color: rgb(225, 148, 14);
```

```
border: 1px solid rgb(249, 173, 10);
```

```
font-size: 12px;
```

```
padding: 8px;
```

```
}
```

```
/* Home Section */
```

```
.max-width{
```

```
max-width: 1300px;
```

```
padding: 0 80px;
```

```
margin: auto;
```

```
}
```

```
section{
```

```
padding: 50px 0 50px 0;
```

```
}
```

```
.home{
```

```
display: flex;
```

```
}
```

```
.home .max-width{
```

```
width: 100%;
```

```
display: flex;
```

```
}
```

```
.home .home-content{
```

```
width: 50%;
```

```
padding: 2rem;
```

```
}
```

```
.home h3{
```

```
color: #fff;
```

```
margin-top: 6rem;
```

```
font-size: 5rem;
```

Extreme Fitness (Gym Management System)

```
font-family: 'Philosopher', sans-serif;  
}  
.home p{  
color: rgb(194, 191, 191);  
margin-top: 1rem;  
font-size: 12px;  
}  
.home .home-image{  
width: 50%;  
}  
.home .home-image img{  
width: 100%;  
height: 100%;  
}
```

```
.footer h4{  
text-align: center;  
color: #e71111;  
}
```

Index (1).php

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <title>EXTREME FITNESS</title>  
    <link rel="stylesheet" href="app.css">  
    <link rel="icon" href="EF.png">  
    <!-- Font Awesome Iocns cdn link -->  
<meta name="viewport" content="width=device-width, initial-scale=1.0">  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>
```

Extreme Fitness (Gym Management System)

```
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css"/>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
</head>
<!-- <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css"> -->
<body>
<div class="container">
    <video autoplay loop muted plays-instant class="background-video" src="pexels-engin-akyurt-1943483-3840x2160-25fps (1).mp4" width="100%" height="100%">
        </video>
    <header class="header">
        <a href="#" class="logo">
            <i class="fas fa-dumbbell"></i>EXTREME FITNESS
        </a>
        <nav class="navbar">
            <a href="about.php">About</a>
            <a href="calendar.php">Attendance</a>
            <a href="login.php">Admin</a>
            <a href="login-user.php" class="btn">Sign Up</a>
        </nav>
    </header>
    <section class="home">
        <div class="max-width">
            <div class="home-content">
                <h3 style="font-size:5vw">welcome to extreme fitness</h3>
                <p style="font-size:2vw">Extreme fitness focuses on providing the best of
                best facilities to its members. Browse to know more</p>
                <!-- <button class="btn">Get started</button> -->
            </div>
        </div>
    </section>
</body>
```

```

        Extreme Fitness (Gym Management System)

    </div>
    <div class="home-image">
        
    </div>
    </div>
</section>

<footer class="footer">
    <h4 style="font-size:1vw">&copy; Extreme Fitness 2023. All rights reserved.</h4>
</footer>
</div>
</body>
</html>

```

Admin

db_connect.php

```

<?php
$conn= new mysqli('localhost','root','userform')or die("Could not connect to mysql".mysqli_error($con));
?>

```

Login.php

```

<!DOCTYPE html>
<html lang="en">
<?php
session_start();
include('./db_connect.php');
ob_start();
if(!isset($_SESSION['system'])){
}
ob_end_flush();
?>
<head>
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0" name="viewport">

```

Extreme Fitness (Gym Management System)

```
<title>Gym Management System</title>
<link rel="icon" href="EF.png">
<?php include('./header.php'); ?>
<?php
if(isset($_SESSION['login_id']))
header("location:index.php");
?>
</head>
<style>
body{
    width: 100%;
    height: calc(100%);
}
.card-body{
    color: black;
}
main#main{
    width:100%;
    height: calc(100%);
    background:white;
}
#login-right{
    position: absolute;
    right:0;
    width:40%;
    height: calc(100%);
    background:white;
    display: flex;
    align-items: center;
}
#login-left{
    position: absolute;
    left:0;
    width:80%;
}
```

Extreme Fitness (Gym Management System)

```
height: calc(100%);  
background:#1F1F1F;  
display: flex;  
align-items: center;  
background-image: url(login.png);  
background-repeat: no-repeat;  
background-size:contain;  
}  
  
#login-right .card{  
margin: auto;  
z-index: 1  
}  
.logo {  
margin: auto;  
font-size: 8rem;  
background: white;  
padding: .5em 0.7em;  
border-radius: 50% 50%;  
color: #000000b3;  
z-index: 10;  
}  
div#login-right::before {  
content: "";  
position: absolute;  
top: 0;  
left: 0;  
width: calc(100%);  
height: calc(100%);  
background: #000000e0;  
}  
</style>  
<body>  
<main id="main" class=" bg-dark">  
<div id="login-left">
```

Extreme Fitness (Gym Management System)

```
<!--  -->
</div>

<div class="row">
    <div id="login-right">
        <div class="card col-md-8">
            <div class="card-body">
                <h1>ADMIN LOGIN</h1>
                <form id="login-form" >
                    <div class="form-group">
                        <label for="username" class="control-label">Username</label>
                        <input type="text" id="username" name="username" class="form-control">
                    </div>
                    <div class="form-group">
                        <label for="password" class="control-label">Password</label>
                        <input type="password" id="password" name="password" class="form-control">
                    </div>
                <center><button class="btn-md btn-block btn-wave col-md-5 btn-primary">Login</button></center>
                </form>
            </div>
        </div>
    </div>
</div>
</main>
<a href="#" class="back-to-top"><i class="icofont-simple-up"></i></a>
</body>
<script>
    $('#login-form').submit(function(e){
        e.preventDefault()
        $('#login-form button[type="button"]').attr('disabled',true).html('Logging in...');

        if($(this).find('.alert-danger').length > 0 )
            $(this).find('.alert-danger').remove();

        $.ajax({
            url:'ajax.php?action=login',
            method:'POST',

```

Extreme Fitness (Gym Management System)

```
data:$(this).serialize(),
error:err=>{
    console.log(err)
$('#login-form button[type="button"]').removeAttr('disabled').html('Login');
},
success:function(resp){
    if(resp == 1){
        location.href ='index.php?page=home';
    }else{
        $('#login-form').prepend('<div class="alert alert-danger">Username or password is incorrect.</div>');
        $('#login-form button[type="button"]').removeAttr('disabled').html('Login');
    }
}
})
})
</script>
</html>
```

members.php

```
<?php include('db_connect.php'); ?>
<div class="container-fluid">
<style>
input[type=checkbox] {
    /* Double-sized Checkboxes */
    -ms-transform: scale(1.5); /* IE */
    -moz-transform: scale(1.5); /* FF */
    -webkit-transform: scale(1.5); /* Safari and Chrome */
    -o-transform: scale(1.5); /* Opera */
    transform: scale(1.5);
    padding: 10px;
}
```

Extreme Fitness (Gym Management System)

```
</style>

<div class="col-lg-12">
    <div class="row mb-4 mt-4">
        <div class="col-md-12">
            </div>
        </div>
        <div class="row">
            <!-- FORM Panel -->
            <!-- Table Panel -->
            <div class="col-md-12">
                <div class="card">
                    <div class="card-header">
                        <b>Member List</b>
                        <!-- <div clss="float-right"> -->
                        <a href="report.php">
                            <button class="btn btn-success btn-block btn-sm col-sm-2 float-right"><i class="fa fa-folder"></i>EXPORT</button>
                        </a>
                        <!-- </div> -->
                    </div>
                    <div class="card-body">
                        <div id="message"></div> <!-- New message div -->
                        <table class="table table-bordered table-condensed table-hover">
                            <colgroup>
                                <col width="5%">
                                <col width="15%">
                                <col width="20%">
                                <col width="20%">
                                <col width="20%">
                                <col width="20%">
                            </colgroup>
                        </table>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
```

Extreme Fitness (Gym Management System)

```
<head>
<tr>
    <th class="text-center">ID</th>
    <th class="">Name</th>
    <th class="">Email</th>
    <th class="">TrainerID</th>
    <th class="">Package</th>
    <th class="">Status</th>
    <th class="text-center">Action</th>
</tr>
</thead>
<tbody>
<?php
$i = 1;
$member = $conn->query("SELECT * FROM usertable");
while ($row = $member->fetch_assoc()):
?>
<tr>
    <td class="text-center"><?php echo $i++ ?></td>
    <td class="">
        <p><b><?php echo ucwords($row['name']) ?></b></p>
    </td>
    <td class="">
        <p><b><?php echo $row['email'] ?></b></p>
    </td>
    <td class="">
        <p><b><?php echo $row['tid'] ?></b></p>
    </td>
    <td class="">
        <p><b><?php echo $row['plan'] ?></b></p>
    </td>

```

Extreme Fitness (Gym Management System)

```
<td class="">
    <p><b><?php echo $row['status'] ?></b></p>
</td>
<td class="text-center">
    <?php if ($row['status'] != 'Inactive'): ?>
<button class="btn btn-sm btn-outline-danger delete_member" type="button" data-id="<?php echo $row['id'] ?>">Disable</button>
    <?php else: ?>
<button class="btn btn-sm btn-danger" type="button" disabled>Deleted</button>
    <?php endif; ?>
    <?php if ($row['status'] == 'Inactive'): ?>
        <button class="btn btn-sm btn-outline-primary reactivate_member" type="button" data-id="<?php echo $row['id'] ?>">Reactivate</button>
    <?php endif; ?>
</td>
</tr>
<?php endwhile; ?>
</tbody>
</table>
</div>
</div>
</div>
<!-- Table Panel -->
</div>
</div>
</div>
<style>
    td {
        vertical-align: middle !important;
    }
    td p {
```

Extreme Fitness (Gym Management System)

```
margin: unset;
}

img {
    max-width: 100px;
    max-height: 150px;
}

</style>

<script>
$(document).ready(function(){
    $('#table').dataTable();
});

$(document).ready(function() {
    $('.delete_member').click(function() {
        var memberId = $(this).data('id');
        var button = $(this); // Store button reference
        $.ajax({
            url: 'delete.php',
            method: 'POST',
            data: {
                action: 'delete',
                member_id: memberId
            },
            success: function(response) {
                if (response == 1) {
                    button.removeClass('btn-outline-danger').addClass('btn-danger').prop('disabled', true).text('Deleted');
                    $('#message').html('<div class="alert alert-success">Member disabled successfully.</div>');
                } else {
                    $('#message').html('<div class="alert alert-danger">Error deleting member.</div>');
                }
            }
        });
    });
});

```

Extreme Fitness (Gym Management System)

```
        });
    });

$('.reactivate_member').click(function() {
    var memberId = $(this).data('id');
    var button = $(this); // Store button reference
    $.ajax({
        url: 'delete.php',
        method: 'POST',
        data: {
            action: 'reactivate',
            member_id: memberId
        },
        success: function(response) {
            if (response == 1) {
                button.removeClass('btn-primary').addClass('btn-outline-primary').prop('disabled', true).text('Reactivate');
                $('#message').html('<div class="alert alert-success">Member reactivated successfully.</div>');
            } else {
                $('#message').html('<div class="alert alert-danger">Error reactivating member.</div>');
            }
        }
    });
});
});

</script>
```

report.php

```
<?php
// Database Connection file
include('db_connect.php');
```

Extreme Fitness (Gym Management System)

```
?>

<table border="1">
<thead>
<tr>Members Report
<th>ID</th>
<th>Members Name</th>
<th>Email</th>
<th>Package</th>
<th>Status</th>
<th>TrainerID</th>
</tr>
</thead>
<?php
// File name
$filename="Members";
// Fetching data from data base
$query=mysqli_query($conn,"select * from usertable");
$cnt=1;
while ($row=mysqli_fetch_array($query)) {
?>
<tr>
<td><?php echo $row['id'];?></td>
<td><?php echo $row['name'];?></td>
<td><?php echo $row['email'];?></td>
<td><?php echo $row['plan'];?></td>
<td><?php echo $row['status'];?></td>
<td><?php echo $row['tid'];?></td>
</tr>
<?php
$cnt++;
// Generating Execel filess
```

Extreme Fitness (Gym Management System)

```
header("Content-type: application/octet-stream");
header("Content-Disposition: attachment; filename=\"$filename\"-Report.xls");
header("Pragma: no-cache");
header("Expires: 0");
} ?>
</table>
```

packages.php

```
<?php include('db_connect.php');?>
<div class="container-fluid">
<div class="col-lg-12">
<div class="row">
<!-- FORM Panel -->
<div class="col-md-4">
<form action="" id="manage-package">
<div class="card">
<div class="card-header">
    Package Form
</div>
<div class="card-body">
    <input type="hidden" name="id">
    <div class="form-group">
        <label class="control-label">Package Name</label>
        <input type="text" class="form-control" name="package">
    </div>
    <div class="form-group">
        <label class="control-label">Description</label>
        <textarea class="form-control" cols="30" rows="3" name="description"></textarea>
    </div>
    <div class="form-group">
        <label class="control-label">Amount</label>
        <input type="number" class="form-control" step="any" name="amount">
    </div>
</div>
```

Extreme Fitness (Gym Management System)

```
</div>

<div class="card-footer">
    <div class="row">
        <div class="col-md-12">
            <button class="btn btn-md btn-success col-sm-3 offset-md-3"> Save</button>
            <button class="btn btn-md btn-secondary col-sm-3" type="button" onclick="_reset()"> Cancel</button>
        </div>
    </div>
</div>
</div>

<!-- FORM Panel -->
<!-- Table Panel -->
<div class="col-md-8">
    <div class="card">
        <div class="card-header">
            <b>Package List</b>
        </div>
        <div class="card-body">
            <table class="table table-bordered table-hover">
                <colgroup>
                    <col width="5%">
                    <col width="55%">
                    <col width="20%">
                    <col width="20%">
                </colgroup>
                <thead>
                    <tr>
                        <th class="text-center">#</th>
                        <th class="text-center">package</th>
                        <th class="text-center">Amount</th>
                        <th class="text-center">Action</th>
                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td>1</td>
                        <td>Basic Package</td>
                        <td>$100</td>
                        <td><a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a></td>
                    </tr>
                    <tr>
                        <td>2</td>
                        <td>Advanced Package</td>
                        <td>$200</td>
                        <td><a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a></td>
                    </tr>
                </tbody>
            </table>
        </div>
    </div>
</div>
```

Extreme Fitness (Gym Management System)

```
</thead>
<tbody>
<?php
$i = 1;
$package = $conn->query("SELECT * FROM packages order by id asc");
while($row=$package->fetch_assoc()):
?>
<tr>
<td class="text-center"><?php echo $i++ ?></td>
<td class="">
<p>package: <b><?php echo $row['package'] ?></b></p>
<p>Description: <small><b><?php echo $row['description'] ?></b></small></p>
</td>
<td class="text-right">
<b><?php echo number_format($row['amount'],2) ?></b>
</td>
<td class="text-center">
<button class="btn btn-md btn-outline-success edit_package" type="button" data-id="<?php echo $row['id'] ?>" data-package="<?php echo $row['package'] ?>" data-description="<?php echo $row['description'] ?>" data-amount="<?php echo $row['amount'] ?>">Edit</button>
<button class="btn btn-md btn-outline-danger delete_package" type="button" data-id="<?php echo $row['id'] ?>">Delete</button>
</td>
</tr>
<?php endwhile; ?>
</tbody>
</table>
</div>
</div>
</div>
<!-- Table Panel -->
</div>
</div>
</div>
```

Extreme Fitness (Gym Management System)

```
<style>
    td{
        vertical-align: middle !important;
    }
</style>
<script>
    function _reset(){
        $('#manage-package').get(0).reset()
        $('#manage-package input,#manage-package textarea').val("")
    }
    $('#manage-package').submit(function(e){
        e.preventDefault()
        start_load()
        $.ajax({
            url:'ajax.php?action=save_package',
            data: new FormData($(this)[0]),
            cache: false,
            contentType: false,
            processData: false,
            method: 'POST',
            type: 'POST',
            success:function(resp){
                if(resp==1){
                    alert_toast("Data successfully added",'success')
                    setTimeout(function(){
                        location.reload()
                    },1500)
                }
                else if(resp==2){
                    alert_toast("Data successfully updated",'success')
                    setTimeout(function(){
                        location.reload()
                    },1500)
                }
            }
        })
    })
</script>
```

Extreme Fitness (Gym Management System)

```
        }
    }
})
})
$('.edit_package').click(function(){
    start_load()
    var cat = $('#manage-package')
    cat.get(0).reset()
    cat.find("[name='id']").val($(this).attr('data-id'))
    cat.find("[name='package']").val($(this).attr('data-package'))
    cat.find("[name='description']").val($(this).attr('data-description'))
    cat.find("[name='amount']").val($(this).attr('data-amount'))
    end_load()
})
$('.delete_package').click(function(){
    _conf("Are you sure to delete this package?","delete_package",[$(this).attr('data-id')])
})
function delete_package($id){
    start_load()
    $.ajax({
        url:'ajax.php?action=delete_package',
        method:'POST',
        data:{id:$id},
        success:function(resp){
            if(resp==1){
                alert_toast("Data successfully deleted",'success')
                setTimeout(function(){
                    location.reload()
                },1500)
            }
        }
    })
}
$('table').dataTable()
```

Extreme Fitness (Gym Management System)

```
</script>
```

```
trainer.php
```

```
<?php include('db_connect.php'); ?>
<div class="container-fluid">
<div class="col-lg-12">
<div class="row">
<!-- FORM Panel -->
<div class="col-md-4">
<form action="" id="manage-trainer">
<div class="card">
<div class="card-header">
    Trainer Form
</div>
<div class="card-body">
<input type="hidden" name="id">
<div class="form-group">
    <label class="control-label">Name</label>
    <input type="text" class="form-control" name="name">
</div>
<div class="form-group">
    <label class="control-label">Email</label>
    <input type="email" class="form-control" name="email">
</div>
<div class="form-group">
    <label class="control-label">Contact</label>
    <input type="text" class="form-control" name="contact">
</div>
<div class="form-group">
    <label class="control-label">Rate</label>
    <input type="number" class="form-control" name="rate">
</div>
</div>
<div class="card-footer">
```

Extreme Fitness (Gym Management System)

```
<div class="row">
    <div class="col-md-12">
        <button class="btn btn-md btn-success col-sm-3 offset-md-3">Save</button>
        <button class="btn btn-md btn-secondary col-sm-3" type="button" onclick="_reset()">Cancel</button>
    </div>
</div>
</div>
</div>
</form>
</div>

<!-- FORM Panel -->
<!-- Table Panel -->
<div class="col-md-8">
    <div class="card">
        <div class="card-header">
            <b>List of Trainers</b>
        </div>
        <div class="card-body">
            <table class="table table-bordered table-hover">
                <thead>
                    <tr>
                        <th class="text-center">#</th>
                        <th class="text-center">ID</th>
                        <th class="text-center">Information</th>
                        <th class="text-center">Action</th>
                    </tr>
                </thead>
                <tbody>
                    <?php
                        $i = 1;
                        $strainer = $conn->query("SELECT * FROM trainers ORDER BY id ASC");
                        while ($row = $strainer->fetch_assoc()):
                    ?>
```

Extreme Fitness (Gym Management System)

```
<tr>
    <td class="text-center"><?php echo $i++ ?></td>
    <td class="text-center"><?php echo $row['id'] ?></td>
    <td>
        <p><i class="fa fa-user"></i> <b><?php echo $row['name'] ?></b></p>
        <p><small><i class="fa fa-at"></i> <b><?php echo $row['email'] ?></b></small></p>
        <p><small><i class="fa fa-phone-square-alt"></i> <b><?php echo $row['contact'] ?></b></small></p>
        <p><small><i class="fa fa-money-bill"></i> <b><?php echo number_format($row['rate'], 2) ?></b></small></p>
    </td>
    <td class="text-center">
        <button class="btn btn-md btn-outline-success edit_trainer" type="button" data-id="<?php echo $row['id'] ?>" data-name="<?php echo $row['name'] ?>" data-email="<?php echo $row['email'] ?>" data-contact="<?php echo $row['contact'] ?>" data-rate="<?php echo $row['rate'] ?>">Edit</button>
        <button class="btn btn-md btn-outline-danger delete_trainer" type="button" data-id="<?php echo $row['id'] ?>">Delete</button>
    </td>
</tr>
<?php endwhile; ?>
</tbody>
</table>
</div>
</div>
</div>
<!-- Table Panel --&gt;
&lt;/div&gt;
&lt;/div&gt;
&lt;style&gt;
    td {
        vertical-align: middle !important;
    }
    td p {
        margin: unset;
    }
&lt;/style&gt;</pre>
```

Extreme Fitness (Gym Management System)

```
        }
    </style>
<script>

function _reset() {
    $('#manage-trainer').get(0).reset();
    $('#manage-trainer input,#manage-trainer textarea').val("");
}

$('#manage-trainer').submit(function(e) {
    e.preventDefault();
    start_load();
    $.ajax({
        url: 'ajax.php?action=save_trainer',
        data: new FormData($(this)[0]),
        cache: false,
        contentType: false,
        processData: false,
        method: 'POST',
        type: 'POST',
        success: function(resp) {
            if (resp == 1) {
                alert_toast("Data successfully added", 'success');
                setTimeout(function() {
                    location.reload();
                }, 1500);
            } else if (resp == 2) {
                alert_toast("Data successfully updated", 'success');
                setTimeout(function() {
                    location.reload();
                }, 1500);
            }
        });
    });
});
```

Extreme Fitness (Gym Management System)

```
$('.edit_trainer').click(function() {
    start_load();
    var cat = $('#manage-trainer');
    cat.get(0).reset();
    cat.find("[name='id']").val($(this).attr('data-id'));
    cat.find("[name='name']").val($(this).attr('data-name'));
    cat.find("[name='email']").val($(this).attr('data-email'));
    cat.find("[name='contact']").val($(this).attr('data-contact'));
    cat.find("[name='rate']").val($(this).attr('data-rate'));
    end_load();
});
$('.delete_trainer').click(function() {
    _conf("Are you sure to delete this trainer?", "delete_trainer", [$(this).attr('data-id')]);
});
function delete_trainer($id) {
    start_load();
    $.ajax({
        url: 'ajax.php?action=delete_trainer',
        method: 'POST',
        data: { id: $id },
        success: function(resp) {
            if (resp == 1) {
                alert_toast("Data successfully deleted", 'success');
                setTimeout(function() {
                    location.reload();
                }, 1500);
            }
        }
    });
}
$('table').dataTable();
</script>
```

TRAINER**Trainerlogin.php**

```

<?php
require_once("trconnection.php");
$error_msg="";
?>
<?php session_start();?>
<?php
if(empty($_POST['email']) || empty($_POST['password']))
{
    $error_msg="";
}
else
if(isset($_POST['login'])){
    $email=$_POST['email'];
    $password=$_POST['password'];
    $qry="select *from trainers where email='$email' and contact='$password'";
    $query=$con->query($qry);
    if($query->num_rows>0){
        $_SESSION['login_sucessful']=true;

        header("Location: trainerDash.php?email=$email");
        exit;
    }
    else{
        $error_msg=" wrong username or Password ";
    }
}
else{
    $error_msg="no errpr";
}
?>
<!DOCTYPE html>

```

Extreme Fitness (Gym Management System)

```
<html lang="en">
<head>
<script type="text/javascript">
    window.history.forward();
</script>
<meta charset="UTF-8">
<title>Login Form</title>
<link rel="icon" href="ef.png">
<linkrel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link rel="stylesheet" href="stylee.css">
</head>
<script type="text/javascript">
    // function clearerror(){
    //     document.getElementById("error").innerHTML="";
    // }
</script>
<body>
<div class="container">
    <div class="row">
        <div class="col-md-4 offset-md-4 form login-form">
            <div class="dropdown">
                <button class="dropbtn">Trainer</button>
                <div class="dropdown-content">
                    <a href="login-user.php">User</a>
                    <a href="trainerlogin.php">Trainer</a>
                </div>
            </div>
        </div>
        <style>
.dropbtn {
    background-color: red;
    color: white;
    padding: 6px;
    font-size: 16px;
    border:none;

```

Extreme Fitness (Gym Management System)

```
border-radius:5px;
}

.dropdown {
    position: relative;
    display: inline-block;
}

.dropdown-content {
    display: none;
    position: absolute;
    background-color: #f1f1f1;
    min-width: 150px;
    box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
    z-index: 1;
}

.dropdown-content a {
    color: black;
    padding: 12px 16px;
    text-decoration: none;
    display: block;
}
.dropdown-content a:hover {background-color: #ddd;}
.dropdown:hover .dropdown-content {display: block;}
.dropdown:hover .dropbtn {background-color: #3e8e41;}
```

</style>

```
<form action="trainerlogin.php" method="POST" autocomplete="">
    <h2 class="text-center">Login Form</h2>
    <p class="text-center">Login with your email and password.</p>

    <div class="alert alert-danger text-center" id="error">
        <?php echo $error_msg;?>
    </div>
    <div class="form-group">
```

Extreme Fitness (Gym Management System)

```
<input class="form-control" type="email" name="email" placeholder="Email Address" required value="">
</div>
<div class="form-group">
<input class="form-control" type="password" name="password" placeholder="Password" required>
</div>
<div class="form-group">
    <input class="form-control button" type="submit" name="login" value="Login">
</div>
</form>
</div>
</div>
</body>
</html>
```

Member

Sign-up.php

```
<?php
require_once "controllerUserData.php";
$errors = array(); // Initialize an empty array to store validation errors
if (empty($_POST['password']) || strlen($_POST['password']) < 8 || !preg_match("/[A-Z]/", $_POST['password']) || !preg_match("/\W/", $_POST['password'])) {
    $errors[] = "Password must be at least 8 characters long and contain at least one uppercase letter and one special character.";
}
if(empty($errors)) {
} else {
    ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
```

Extreme Fitness (Gym Management System)

```
<link rel="icon" href="EF.png">
<title>Signup Form</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<linrel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link rel="stylesheet" href="stylee.css">
</head>
<body>
<div class="container">
<div class="row">
<div class="col-md-4 offset-md-4 form">
<form action="signup-user.php" method="POST" autocomplete="">
<h2 class="text-center">Signup Form</h2>
<p class="text-center">It's quick and easy.</p>
<div class="alert alert-danger">
<ul>
<?php foreach ($errors as $error): ?>
<li><?php echo $error; ?></li>
<?php endforeach; ?>
</ul>
</div>
<div class="form-group"><input class="form-control" type="text" name="name" placeholder="Full Name" required value="<?php echo $name ?>">
</div>
<div class="form-group">
<input class="form-control" type="email" name="email" placeholder="Email Address" required value="<?php echo $email ?>">
</div>
<div class="form-group">
<input class="form-control" type="password" name="password" placeholder="Password" required>
```

Extreme Fitness (Gym Management System)

```
</div>

<div class="form-group">
    <input class="form-control" type="password" name="cpassword"
placeholder="Confirm password" required>
</div>

<div class="form-group">
    <input class="form-control button" type="submit" name="signup" value="Signup">
</div>

    <div class="link login-link text-center">Already a member? <a href="login-user.php">Login here</a></div>
</form>
</div>
</div>
</div>
</body>
</html>
<?php
}
?>
```

Forgot-password.php

```
<?php require _once "controllerUserData.php"; ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Forgot Password</title>
    <link rel="icon" href="EF.png">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
```

Extreme Fitness (Gym Management System)

```
<link rel="stylesheet" href="stylee.css">
</head>
<body>
<div class="container">
<div class="row">
<div class="col-md-4 offset-md-4 form">
<form action="forgot-password.php" method="POST" autocomplete="">
<h2 class="text-center">Forgot Password</h2>
<p class="text-center">Enter your email address</p>
<?php
if(count($errors) > 0){
?>
<div class="alert alert-danger text-center">
<?php
foreach($errors as $error){
echo $error;
}
?>
</div>
<?php
}
?>
<div class="form-group">
<input class="form-control" type="email" name="email" placeholder="Enter email address" required
value="<?php echo $email ?>">
</div>
<div class="form-group">
<input class="form-control button" type="submit" name="check-email" value="Continue">
</div>
</form>
</div>
```

Extreme Fitness (Gym Management System)

```
</div>  
</div>  
</body>  
</html>
```

Controlleruserdata.php

```
<?php  
session_start();  
require "connection.php";  
$email = "";  
$name = "";  
$errors = array();  
//if user signup button  
if(isset($_POST['signup'])){  
    $name = mysqli_real_escape_string($con, $_POST['name']);  
    $email = mysqli_real_escape_string($con, $_POST['email']);  
    $password = mysqli_real_escape_string($con, $_POST['password']);  
    $cpassword = mysqli_real_escape_string($con, $_POST['cpassword']);  
    if($password !== $cpassword){  
        $errors['password'] = "Confirm password not matched!";  
    }  
    $email_check = "SELECT * FROM usertable WHERE email = '$email'";  
    $res = mysqli_query($con, $email_check);  
    if(mysqli_num_rows($res) > 0){  
        $errors['email'] = "Email that you have entered is already exist!";  
    }  
    if(count($errors) === 0){  
        $encpass = password_hash($password, PASSWORD_BCRYPT);  
        $code = rand(999999, 111111);  
        $status = "notverified";  
        $insert_data = "INSERT INTO usertable (name, email, password, code, status)
```

Extreme Fitness (Gym Management System)

```
values('$name', '$email', '$encpass', '$code', '$status')";  
$data_check = mysqli_query($con, $insert_data);  
if($data_check){  
    $subject = "Email Verification Code";  
    $message = "Your verification code is $code";  
    $sender = "From: fitnessextreme51@gmail.com";  
    if(mail($email, $subject, $message, $sender)){  
        $info = "We've sent a verification code to your email - $email";  
        $_SESSION['info'] = $info;  
        $_SESSION['email'] = $email;  
        $_SESSION['password'] = $password;  
        header('location: user-otp.php');  
        exit();  
    }else{  
        $errors['otp-error'] = "Failed while sending code!";  
    }  
}else{  
    $errors['db-error'] = "Failed while inserting data into database!";  
}  
}  
}  
if(isset($_POST['check'])){  
    $_SESSION['info'] = "";  
    $otp_code = mysqli_real_escape_string($con, $_POST['otp']);  
    $check_code = "SELECT * FROM usertable WHERE code = $otp_code";  
    $code_res = mysqli_query($con, $check_code);  
    if(mysqli_num_rows($code_res) > 0){  
        $fetch_data = mysqli_fetch_assoc($code_res);  
        $fetch_code = $fetch_data['code'];  
        $email = $fetch_data['email'];  
        $code = 0;  
    }  
}
```

Extreme Fitness (Gym Management System)

```
$status = 'verified';

$update_otp = "UPDATE usertable SET code = $code, status = '$status' WHERE code =
$fetch_code";

$update_res = mysqli_query($con, $update_otp);

if($update_res){

    $_SESSION['name'] = $name;
    $_SESSION['email'] = $email;
    header('location: membership.php');
    exit();

} else{

    $errors['otp-error'] = "Failed while updating code!";

}

} else{

    $errors['otp-error'] = "You've entered incorrect code!";

}

if(isset($_POST['login'])){

    $email = mysqli_real_escape_string($con, $_POST['email']);
    $password = mysqli_real_escape_string($con, $_POST['password']);
    $check_email = "SELECT * FROM usertable WHERE email = '$email'";
    $res = mysqli_query($con, $check_email);
    if(mysqli_num_rows($res) > 0){

        $fetch = mysqli_fetch_assoc($res);
        $fetch_pass = $fetch['password'];
        if(password_verify($password, $fetch_pass)){

            $_SESSION['email'] = $email;
            $status = $fetch['status'];
            if($status == 'verified'){

                $_SESSION['email'] = $email;
                $_SESSION['password'] = $password;
                header('location: homeuser.php');

            }

        }

    }

}
```

Extreme Fitness (Gym Management System)

```
 }else{
    $info = "It's look like you haven't still verify your email - $email";
    $_SESSION['info'] = $info;
    header('location: user-otp.php');
}

}else{
    $errors['email'] = "Incorrect email or password!";
}

}else{
    $errors['email'] = "It's look like you're not yet a member! Click on the bottom link to signup.";
}

if(isset($_POST['check-email'])){

    $email = mysqli_real_escape_string($con, $_POST['email']);
    $check_email = "SELECT * FROM usertable WHERE email='$email'";
    $run_sql = mysqli_query($con, $check_email);
    if(mysqli_num_rows($run_sql) > 0){

        $code = rand(999999, 111111);
        $insert_code = "UPDATE usertable SET code = $code WHERE email = '$email'";
        $run_query = mysqli_query($con, $insert_code);
        if($run_query){

            $subject = "Password Reset Code";
            $message = "Your password reset code is $code";
            $sender = "From: fitnessextreme51@gmail.com";
            if(mail($email, $subject, $message, $sender)){

                $info = "We've sent a password reset otp to your email - $email";
                $_SESSION['info'] = $info;
                $_SESSION['email'] = $email;
                header('location: reset-code.php');
                exit();
            }
        }
    }
}
```

Extreme Fitness (Gym Management System)

```
$errors['otp-error'] = "Failed while sending code!";  
}  
}  
}  
}  
}  
}  
}  
}  
}  
}  
if(isset($_POST['check-reset-otp'])){  
    $_SESSION['info'] = "";  
    $otp_code = mysqli_real_escape_string($con, $_POST['otp']);  
    $check_code = "SELECT * FROM usertable WHERE code = $otp_code";  
    $code_res = mysqli_query($con, $check_code);  
    if(mysqli_num_rows($code_res) > 0){  
        $fetch_data = mysqli_fetch_assoc($code_res);  
        $email = $fetch_data['email'];  
        $_SESSION['email'] = $email;  
        $info = "Please create a new password that you don't use on any other site.";  
        $_SESSION['info'] = $info;  
        header('location: new-password.php');  
        exit();  
    } else{  
        $errors['otp-error'] = "You've entered incorrect code!";  
    }  
}  
if(isset($_POST['change-password'])){  
    $_SESSION['info'] = "";  
    $password = mysqli_real_escape_string($con, $_POST['password']);  
    $cpassword = mysqli_real_escape_string($con, $_POST['cpassword']);  
    if($password !== $cpassword){
```

Extreme Fitness (Gym Management System)

```
$errors['password'] = "Confirm password not matched!";  
}  
else  
{$code = 0;  
$email = $_SESSION['email']; //getting this email using session  
$encpass = password_hash($password, PASSWORD_BCRYPT);  
$update_pass = "UPDATE userstable SET code = $code, password = '$encpass' WHERE email  
= '$email';  
$run_query = mysqli_query($con, $update_pass);  
if($run_query){  
    $info = "Your password changed. Now you can login with your new password.";  
    $_SESSION['info'] = $info;  
    header('Location: password-changed.php');  
}  
else{  
    $errors['db-error'] = "Failed to change your password!";  
}  
}  
//if login now button click  
if(isset($_POST['login-now'])){  
    header('Location: login-user.php');  
}  
?>
```

Payment.php

```
<?php include _ once('controllerUserData.php'); ?>  
<?php  
require _ once "pay.php";  
if ($_SERVER['REQUEST_METHOD'] === 'POST') {  
    // Get the form input values  
    $email = $_POST['email'];  
    $amount = $_POST['amount'];  
    // Validate the form inputs
```

Extreme Fitness (Gym Management System)

```
if (!empty($email) && !empty($amount)) {
    // Send email with payment details
    $to = $email;
    $subject = 'Payment Confirmation';
    $message = "Thank you for your payment!\n\n".
        "Payment Details:\n".
        "Email: $email\n".
        "Amount: $amount\n".
    $headers = 'From: fitnessextreme51@gmail.com' . "\r\n".
        'X-Mailer: PHP/' . phpversion();
    // Send the email
    if (mail($to, $subject, $message, $headers)) {
        echo "Payment successful! Email confirmation has been sent.";
    } else {
        echo "Payment successful! Failed to send email confirmation.";
    }
} else {
    echo "Please fill in all fields.";
}
?>
<!DOCTYPE html>
<html>
<head>
    <script type="text/javascript">
        window.history.forward();
    </script>
    <script>
        function checkIfAvailable(zip) {
            let zones = ["574118","576101","","576103","576104","576102"];
            return zones.indexOf(zip) >= 0;
    
```

Extreme Fitness (Gym Management System)

```
}
```

```
function validateZip() {
```

```
    let zip = document.getElementById("zipCode").value;
```

```
    let msg = "";
```

```
    if (checkIfAvailable(zip)) {
```

```
        msg = "Our service is available in this area!";
```

```
    } else {
```

```
        msg = "Sorry, our service is not available in this area";
```

```
        document.getElementById("pay");
```

```
    }
```

```
    document.getElementById("msg").innerHTML = msg;
```

```
}
```

```
function validateCreditCard() {
```

```
    var cardno = document.getElementById("cardno").value;
```

```
    var cvv = document.getElementById("cvv").value;
```

```
    var strippedNumber = cardno.replace(/[\s-]/g, "");
```

```
    if (strippedNumber.length === 16 && cvv.length === 3) {
```

```
        alert("Credit card information is valid!");
```

```
    } else {
```

```
        alert("Credit card information is invalid. Please check the number and CVV.");
```

```
    }
```

```
}
```

```
function validateForm() {
```

```
    var inputs = document.querySelectorAll('form input');
```

```
    var isValid = true;
```

```
    for (var i = 0; i < inputs.length; i++) {
```

```
        if (inputs[i].value.trim() === "") {
```

```
            isValid = false;
```

```
            break;
```

```
        }
```

```
}
```

Extreme Fitness (Gym Management System)

```
if (isValid) {  
    console.log('Form is valid');  
} else {  
    console.log('Form is invalid');  
    alert('Please fill in all fields.');//  
}  
}  
</script>  
  
<meta charset="utf-8">  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<title>Payments</title>  
<link rel="icon" href="EF.png">  
<link rel="stylesheet" type="text/css" href="payment.css">  
</head>  
<body>  
    <header>  
        <form method="post" action="<?php echo $_SERVER['PHP_SELF']; ?>">  
            <label for="email">EMAIL:</label>  
            <input type="email" placeholder="" id="email" name="email" value="<?php echo $email; ?>" required><br>  
            <label for="zipcode">ZIPCODE:</label>  
            <input type="text" name="zipcode" id="zipCode" required onkeyup="validateZip()">  
            <div id="msg"></div>  
            <br>  
            <label for="amount">AMOUNT:</label>  
            <input type="text" name="amount" id="amount" value="<?php echo $_GET['amt']; ?>" required readonly><br>  
            <label for="creditCardNumber">Card Number:</label>  
            <input type="text" id="cardno" name="cardno" required><br>  
            <label for="cvv">CVV:</label>  
            <input type="text" id="cvv" name="cvv" maxlength="3" required><br>
```

Extreme Fitness (Gym Management System)

```

<button type="button" onclick="validateCreditCard()">Validate</button>
<button type="submit" onclick="validateForm()">SUBMIT PAYMENT</button>
</form>
</header>
</body>
</html>

```

Selecttrainer.php

```

<?php
// Establish a database connection
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "userform";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
// Initialize variables
$emailExists = false;
$selectedTrainer = "";
// Process form submission
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $userEmail = $_POST["email"];
    // Check if the email exists in the usertable
    $checkSQL = "SELECT * FROM usertable WHERE email = '$userEmail'";
    $result = $conn->query($checkSQL);
    if ($result->num_rows > 0) {
        $emailExists = true;
        // Save the selected trainer
        if (isset($_POST['saveTrainer'])) {

```

Extreme Fitness (Gym Management System)

```
$selectedTrainer = $_POST['trainer'];

// Update the usertable with the trainer's email

$updateSQL = "UPDATE usertable SET tid = '$selectedTrainer' WHERE email = '$userEmail'";
if ($conn->query($updateSQL) === TRUE) {
    // Display success message and redirect to homeuser.php
    echo "<h1>Trainer saved successfully!</h1>";
    echo "<p>Redirecting to homeuser.php...</p>";
    header("refresh:2;url=homeuser.php");
    exit();
} else {
    echo "Error: " . $updateSQL . "<br>" . $conn->error;
}

}

}

}

// Retrieve trainers from the trainers table

$trainersSQL = "SELECT * FROM trainers";
$trainersResult = $conn->query($trainersSQL);
// Close the database connection

$conn->close();

?>

<!DOCTYPE html>
<html>
<head>
<title>Select Trainer</title>
<style>
/* CSS styles for the page */
body {
    background-color: black;
```

Extreme Fitness (Gym Management System)

```
color: white;  
}  
h1 {  
    text-align: center;  
  
form {  
    margin: 0 auto;  
    width: 300px;  
}  
label {  
    display: block;  
    margin-bottom: 10px;  
}  
select,  
input[type="submit"] {  
    width: 100%;  
    padding: 10px;  
    margin-bottom: 10px;  
}  
input[type="submit"] {  
    background-color: red;  
    color: white;  
}  
</style>  
</head>  
<body>  
<?php if (!$emailExists) : ?>  
    <h1>Select Your Trainer</h1>  
    <form id="trainerForm" action="" method="POST">  
        <label for="email">Enter Your Email:</label>  
        <input type="email" name="email" id="email" required>
```

Extreme Fitness (Gym Management System)

```
<br><br>

<input type="submit" value="Check Email">
</form>

<?php else : ?>
<h1>Select Your Trainer</h1>
<form id="trainerForm" action="" method="POST">
<input type="hidden" name="email" value="<?php echo $userEmail; ?>">
<label for="trainer">Choose a Trainer:</label>
<select name="trainer" id="trainer">
<?php while ($row = $trainersResult->fetch_assoc()) : ?>
    <option value="<?php echo $row["email"]; ?>"><?php echo $row["name"]; ?></option>
<?php endwhile; ?>
</select>
<br><br>
<input type="submit" value="Save Trainer" name="saveTrainer">
</form>
<?php endif; ?>
</body>
</html>
```

Homeuser.php

```
<?php
require_once "controllerUserData.php";
$email = $_SESSION['email'];
$password = $_SESSION['password'];
if ($email != false && $password != false) {
    $sql = "SELECT * FROM userTable WHERE email = '$email'";
    $run_Sql = mysqli_query($con, $sql);
    if ($run_Sql) {
        $fetch_info = mysqli_fetch_assoc($run_Sql);
        $status = $fetch_info['status'];
```

Extreme Fitness (Gym Management System)

```
$code = $fetch_info['code'];
if ($status == "verified") {
    if ($code != 0) {
        header('Location: reset-code.php');
    } else {
        // Retrieve the email from the URL parameter or session
        $userEmail = isset($_GET['email']) ? $_GET['email'] : $email;
        // Connect to the database
        $servername = "localhost";
        $username = "root";
        $password = "";
        $dbname = "userform";
        $conn = new mysqli($servername, $username, $password, $dbname);
        if ($conn->connect_error) {
            die("Connection failed: " . $conn->connect_error);
        }
        // Retrieve the amount from the payments table for the provided email
        $sql = "SELECT amount FROM payments WHERE email = '$userEmail'";
        $result = $conn->query($sql);
        if ($result->num_rows > 0) {
            $row = $result->fetch_assoc();
            $amount = $row['amount'];
            // Determine the membership plan based on the amount
            if ($amount >= 10000) {
                $membership = "Premium";
            } elseif ($amount >= 5000) {
                $membership = "Gold";
            } elseif ($amount >= 3000) {
                $membership = "Silver";
            } else {
                $membership = "Standard";
            }
        }
    }
}
```

```

        Extreme Fitness (Gym Management System)

    }

    // Update the plan column in the usertable
$updateSql = "UPDATE usertable SET plan = '$membership' WHERE email = '$userEmail'";

$conn->query($updateSql)

// Display the membership message in the user's dashboard
echo '<div id="header">

    <a href="#" class="logo">
        <i class="fas fa-dumbbell"> EXTREME FITNESS</i>
    </a>
</div>

<div id="navbar">
    <ul>
        <li><a href="video.php">Videos</a></li>
        <li><a href="membership.php">Renewal</a></li>
        <li><a href="index (1).php">Logout</a></li>
    </ul>
</div>

<div id="content">
    <h2>Welcome ' . $fetch_info['name'] . '</h2>
    <p>Thank you for choosing Extreme Fitness as your fitness partner.</p>
    <p>Your membership: ' . $membership . '</p>
</div>

<div id="footer">
    <p>© 2023 Extreme Fitness. All rights reserved.</p>
</div>';

} else {

    // Display a message prompting the user to make a payment
echo '<div id="header">

    <a href="#" class="logo">
        <i class="fas fa-dumbbell"> EXTREME FITNESS</i>

```

Extreme Fitness (Gym Management System)

```
</a>
</div>
<div id="navbar">
<ul>
<li><a href="video.php">Videos</a></li>
<li><a href="membership.php">Renewal</a></li>
<li><a href="index (1).php">Logout</a></li>
</ul>
</div>
<div id="content">
<h2>Welcome ' . $fetch_info['name'] . '</h2>
<p>Thank you for choosing Extreme Fitness as your fitness partner.</p>
<p>Please make a payment to access our membership plans.</p>
</div>
<div id="footer">
<p>© 2023 Extreme Fitness. All rights reserved.</p>
</div>';
}

// Close the database connection
$conn->close();
}

} else {
    header('Location: user-otp.php');
}

}

} else {
    header('Location: login-user.php');
}

?>

<!DOCTYPE html>
<html>
```

Extreme Fitness (Gym Management System)

```
<head>
    <title>Home</title>
    <link rel="icon" href="EF.png">
    <linkrel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css"/>
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <linkrel="stylesheet" type="text/css" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" type="text/css" href="home.css">
</head>
<body>
</body>
</html>
```

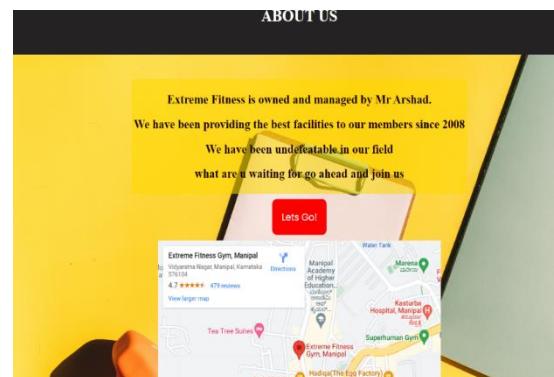
Extreme Fitness (Gym Management System)

7. User Interface:

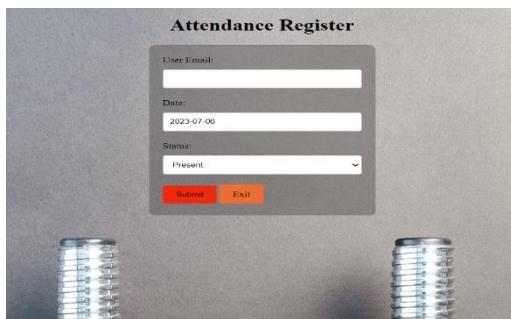
//Open page:



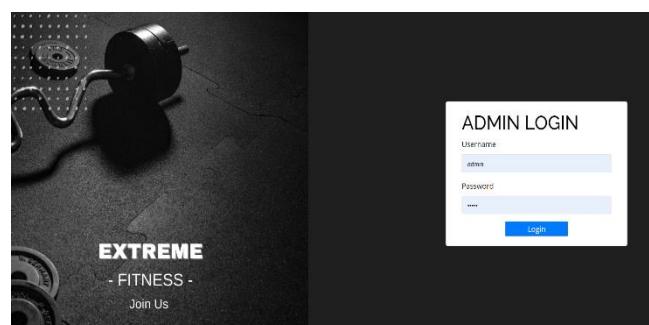
//about us page



//Attendance page



//Admin Login Page:



//Admin Dashboard

Extreme Fitness (Gym Management System)

//Members page

The screenshot shows a 'Member List' table with the following data:

ID	Name	Email	TrainerID	Package	Status	Action
1	Vishnu	epvishnu21@gmail.com	skumar@gmail.com	Silver	Active	<button>Disable</button>
2	Nihal	nihalshetty54@gmail.com	skumar@gmail.com	Premium	Active	<button>Disable</button>

Showing 1 to 2 of 2 entries

//Members report(EXPORT)

The screenshot shows a 'Downloads' interface with the following details:

- File: Members-Report (28).xls
- Action: Open file

//Displays on Excel sheet

A	B	C	D	E	F	G
1	Members Report					
2	ID	Members Name	Email	Package	Status	TrainerID
3	32	vishnu	epvishnu21@gmail.com	Silver	Active	skumar@gmail.com
4	33	Nihal	nihalshetty54@gmail.com	Premium	Active	skumar@gmail.com
5						
6						

//Attendance page

The screenshot shows an 'Attendance List' table with the following data:

Member ID	Email	Date	Status
1	epvishnu21@gmail.com	2023-07-06	present
2	nihalshetty54@gmail.com	2023-07-06	present

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Extreme Fitness (Gym Management System)

//Packages page

The screenshot shows the 'Packages' page of the Extreme Fitness Gym Management System. On the left, a red sidebar menu includes 'Home', 'Members', 'Attendance', 'Packages' (which is highlighted in green), 'Trainers', and 'Admin'. The main content area has two sections: 'Package Form' on the left containing fields for 'Package Name', 'Description', and 'Amount', with 'Save' and 'Cancel' buttons; and 'Package List' on the right showing a table of three packages: Premium Package (12 months plan, 10,000.00), Silver Package (3 month plan, 3,000.00), and Gold Package (6 month plan, 5,000.00). Each package row has 'Edit' and 'Delete' buttons.

//Trainers page

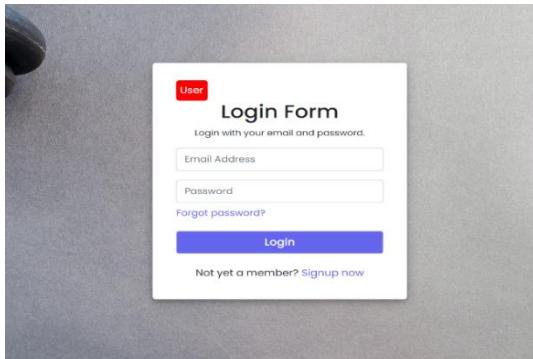
The screenshot shows the 'Trainers' page. The left sidebar menu is identical to the Packages page. The main content area has two sections: 'Trainer Form' on the left with fields for 'Name', 'Email', 'Contact', and 'Rate', and 'List of Trainers' on the right showing a table of three trainers: pranam (ID 6, 5,000.00), nihal (ID 7, 6,000.00), and shashank (ID 8, 20,000.00). Each trainer row has 'Edit' and 'Delete' buttons.

//Admin page

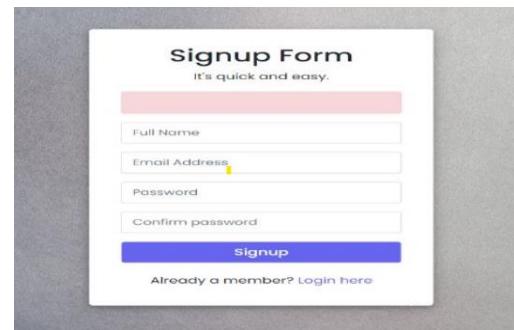
The screenshot shows the 'Admin' page. The left sidebar menu is identical. The main content area displays a table of one user entry: Arshad (S.NO 1, Name Arshad, Username admin, Type Admin). A message at the bottom states 'Showing 1 to 1 of 1 entries'.

Extreme Fitness (Gym Management System)

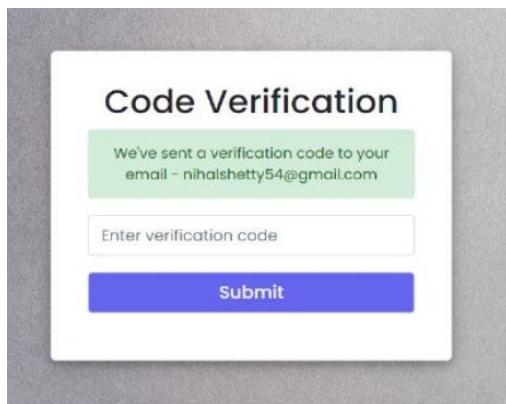
//User login page



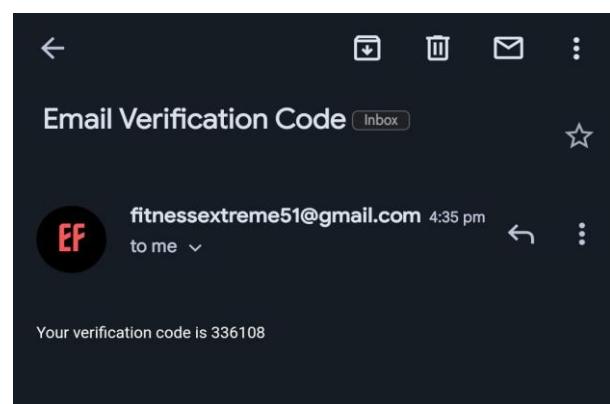
//User registration page



//verification code sent

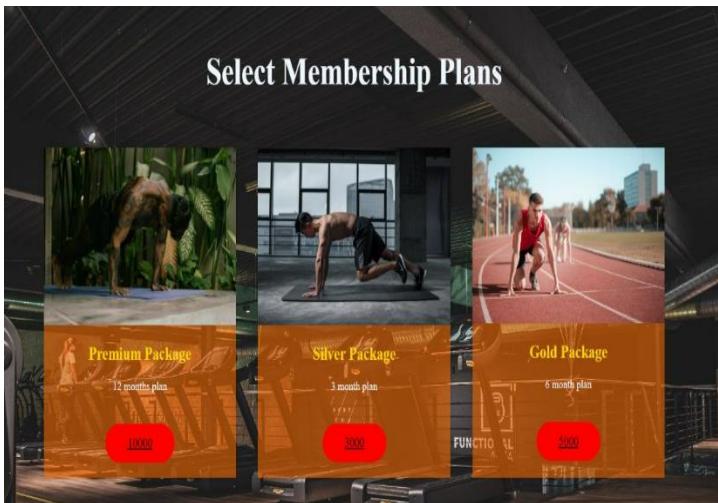


//verification code received on email



Extreme Fitness (Gym Management System)

//choose package page



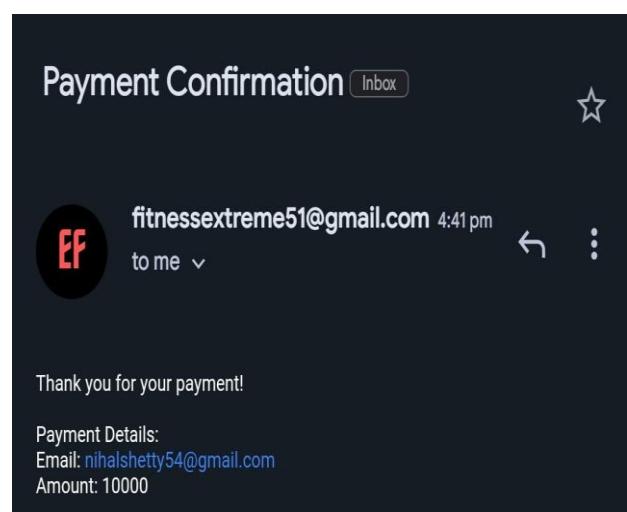
//payment form

EMAIL: _____
ZIPCODE: _____
AMOUNT: 10000
Card Number: _____
CVV: _____
Validate SUBMIT PAYMENT

//valid payment information

localhost says
Credit card information is valid!
ZIPCODE: 576101
Our service is available in this area!
AMOUNT: 10000
Card Number: 1234567890987654
CVV: 321
Validate SUBMIT PAYMENT

//payment successfully email is sent



Extreme Fitness (Gym Management System)

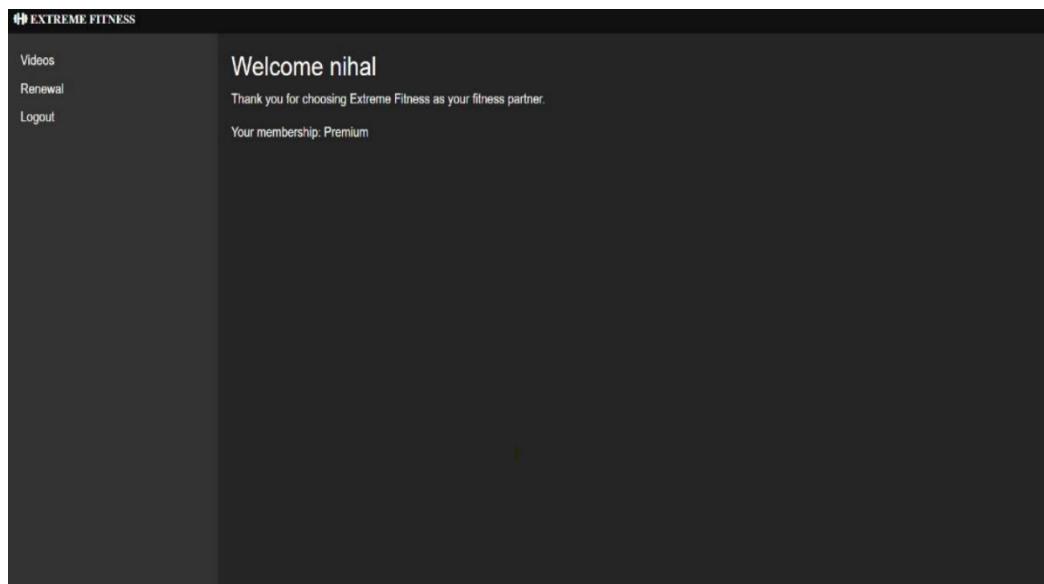
//check email



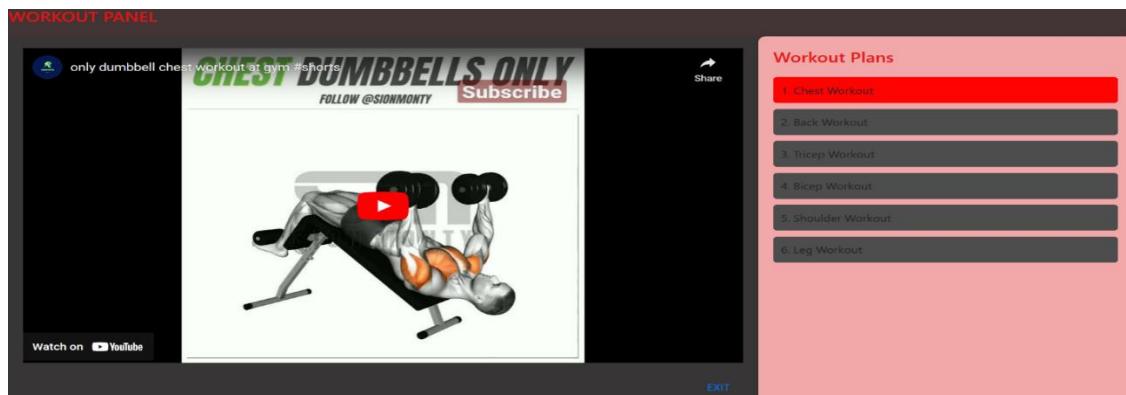
//select trainer



//User dashboard

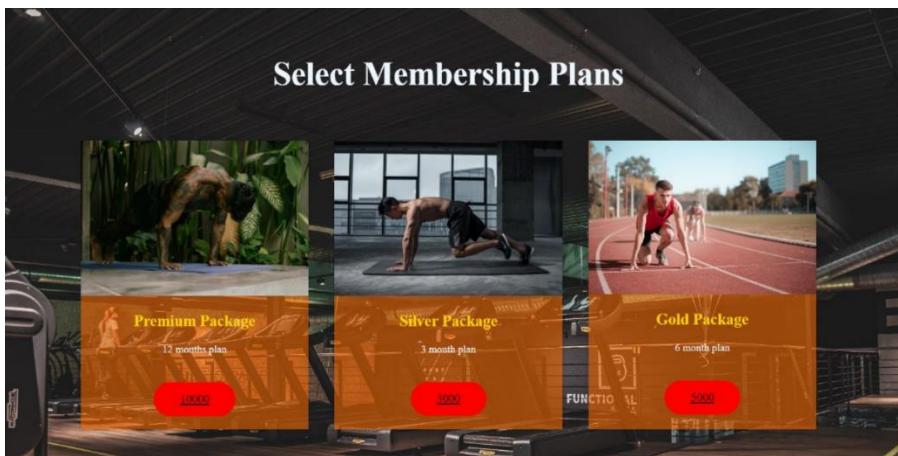


//video page



Extreme Fitness (Gym Management System)

//renewal page



//Trainer login

A screenshot of a login form titled 'Trainer Login Form'. It asks for email and password, and includes a 'Login' button.

//Trainer Dashboard

A screenshot of the Trainer Dashboard. It shows a sidebar with 'PRANAM' and contact info. The main area has a 'Status' section with cards for 'VISHNU' and 'NIHAL', both marked as 'Present'. Below is a 'Members' section with a table:

Email	Name	Plan
Epvishnu21@gmail.com	vishnu	Silver
Nihalshetty54@gmail.com	Nihal	Premium

8. Testing:

i) Introduction:

Testing and implementation are the process, which tells the reality efficiency and the flexibility of the system design. Reliability means how much the user is expecting from the system. Flexibility tells how much the user is comfortable and hopes additional facilities with the system.

It is the vital to the success of the system. System testing makes the logical assumption that if all the part of the system is correct, the goal will be successively achieved. It is a critical element of software quality assurance and represents the ultimate review if specification design and coding. Testing presents interesting anomaly of the software. The testing phase involves testing system using various test data.

The first test of the system to see whether it produces the correct output. When the software is tested the actual output is tested with the expected output. If there is discrepancy the sequence of instruction must be traced to determine the problem. Breaking the program down into self-contained portions, each of which can be checked at certain key points facilitates the process.

The best program is worthless if it does not meet needs. The first step in system testing is to prepare a plan that will test all aspects of the system in a way that promotes its credibility among potential users. The development of software system involves a series of production activities where opportunities for injection of human error are enormous. Error may occur at the very imperfectly specified as well as later design and development stages.

ii) Test Reports:

a) Unit Testing:

It focuses on verification efforts on the smallest unit of software design module. Using the unit test plans, prepared in the design phase of the system as guide important control paths are tested to uncover error within the boundary of the module. The interfaces of each of the module under consideration are tested. Boundary condition was checked. Each unit was thoroughly tested to check if it might fail in any possible situation. This testing was carried out during programming itself.

Extreme Fitness (Gym Management System)

b) Integrate Testing:

Data can lose across an interface one module can have an adverse effect on another sub function, when combined may not produce the desired function. Global data structures can present problems. It is symmetric testing for constructing test to unrecovered error associated with the interface. All modules are combined in these testing process. Then the entire program was tested as a whole.

c) System Testing:

Software testing is a critical element of software quantity assurance and represents the ultimate review of specifications, design, and coding. The testing phase involves the testing of system using various test data. Preparation of test data plays a vital role in the system testing. After preparing the test data, the system under study is tested. Those test data, error was found and corrected by using some testing steps. Thus, a series testing is performed on the system before it is ready for implementation.

iii.) Test Plan:

Test Plan	Test Objective
1	Test for Admin name and password.
2	Test for User Sign Up data
3	Test for User login data.
4	Test for Trainer login data.
5	Test for Payment details.
6	Test for Attendance

iv.) Test Cases:

Test Case: 1

- Objectives: Test for Admin name and password entry.
- Test Data:
 - Valid: Valid Admin name and password to be entered in the program.
 - Invalid: Use of Invalid Admin name and password.

Extreme Fitness (Gym Management System)

- Result:
 - Valid: The Admin logsins successfully.
 - Invalid: Display the error message which restrict the Admin to enter the Admin Dashboard.
- Conclusion: Both the valid and invalid result is tested. Output matches with the required result. Hence Test case is successful.

The screenshot shows a login form titled "ADMIN LOGIN". It has two input fields: "Username" containing "admin" and "Password" containing "*****". Below the password field is a red error message box containing the text "Username or password is incorrect." A blue "Login" button is at the bottom.

Test Case: 2

- Objectives: Test for user sign up data.
- Test Data:
 - Valid: New email address entered in the program and matching password.
 - Invalid:
 - Already existing email
 - Password length less than 8 characters.
 - Similar combination of password character.
 - Mismatching password
- Result:
 - Valid: Signup and account created successfully.
 - Invalid: Display the error message which restrict the signup operation.
- Conclusion: Both the valid and invalid result is tested. Output matches with the required result. Hence Test case is successful.

Extreme Fitness (Gym Management System)

The image displays three side-by-side screenshots of the "Signup Form" from the Extreme Fitness Gym Management System. Each screenshot shows a different validation error message in a pink callout box above the form fields.

- Screenshot 1:** Shows a validation error: "Email that you have entered is already exist!"
- Screenshot 2:** Shows a validation error: "Use 8 or more characters with a mix of letters, numbers & symbols"
- Screenshot 3:** Shows a validation error: "Confirm password not matched!"

Each screenshot includes input fields for Name, Email, Password, and Confirm password, along with a "Signup" button and a link to "Already a member? Login here".

Test Case: 3

- Objectives: Test for user login data.
- Test Data:
 - Valid: Valid User name and password to be entered in the program.
 - Invalid: Use of Invalid username and password.
- Result:
 - Valid: The user logins successfully.
 - Invalid: Display the error message and prompt him to sign up.
- Conclusion: Both the valid and invalid result is tested. Output matches with the required result. Hence Test case is successful.

The image displays two side-by-side screenshots of the "Login Form" from the Extreme Fitness Gym Management System. Both screenshots show an error message in a pink callout box above the login fields.

- Screenshot 1:** Shows an error message: "Incorrect email or password!"
- Screenshot 2:** Shows an error message: "It's look like you're not yet a member! Click on the bottom link to signup."

Both screenshots include input fields for Email and Password, a "Login" button, and a link to "Not yet a member? Signup now".

Extreme Fitness (Gym Management System)

Test case: 4

- Objectives: Test for trainer login data.
- Test Data:
 - Valid: Valid Trainerid and password to be entered in the program.
 - Invalid: Use of Invalid trainerid and password.
- Result:
 - Valid: The trainer logins successfully.
 - Invalid: Display the error message which restrict the Trainer to enter the Trainer Dashboard.
- Conclusion: Both the valid and invalid result is tested. Output matches with the required result. Hence Test case is successful.

The screenshot shows a 'Login Form' for 'Trainer'. At the top, there is a red button labeled 'Trainer'. Below it, the title 'Login Form' is displayed in bold. A sub-instruction 'Login with your email and password.' is present. A red error message box contains the text 'Wrong credentials'. Below this, there are two input fields: 'Email Address' and 'Password', both currently empty. At the bottom of the form is a large black 'Login' button.

Test case: 5

- Objectives: Test for Payment details.
- Test Data:
 - Valid: Valid 16 digit credit card number, 3 digit cvv and zipcode should be in 576101,576102,576103,576104.
 - Invalid: Empty or less than 16 digit credit card number or empty or less than cvv or zipcode outside the range.
- Result:
 - Valid: The User pays successfully.
 - Invalid: Display the error message which restrict the User for Payment.

Extreme Fitness (Gym Management System)

- Conclusion: Both the valid and invalid result is tested. Output matches with the required result. Hence Test case is successful.

The figure consists of three side-by-side screenshots of a web application interface. Each screenshot shows a form with fields for EMAIL, ZIPCODE, AMOUNT, Card Number, CVV, and two buttons: 'Validate' and 'SUBMIT PAYMENT'. A vertical red line separates the first two screenshots, and a vertical orange line separates the second and third.

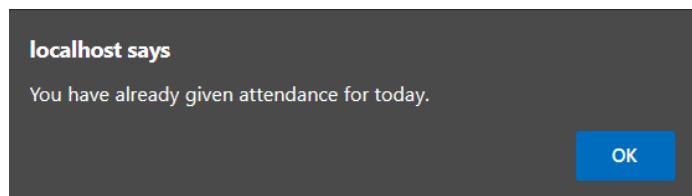
- Screenshot 1 (Left):** Shows an invalid ZIPCODE ('576106'). A modal dialog box titled 'localhost says' displays the error message 'Card number must be exactly 16 digits long.' An 'OK' button is visible in the bottom right corner of the dialog.
- Screenshot 2 (Middle):** Shows a valid ZIPCODE ('576102'). The modal dialog box displays the message 'Our service is available in this area!' An 'OK' button is visible in the bottom right corner of the dialog.
- Screenshot 3 (Right):** Shows an invalid CVV ('12'). A modal dialog box titled 'localhost says' displays the error message 'CVV must be exactly 3 digits long.' An 'OK' button is visible in the bottom right corner of the dialog.

Test Case: 6

- Objectives: Test for Attendance.
- Test Data:
 - Valid: Valid User Email id.

Extreme Fitness (Gym Management System)

- Invalid: Use of Invalid Email id and repeated Email id.
- Result:
 - Valid: The Attendance registered successfully.
 - Invalid: Display the error message which restrict the user to register attendance.
- Conclusion: Both the valid and invalid result is tested. Output matches with the required result. Hence Test case is successful



9.Limitation:

- The website does not currently support UPI payments.
- Issues with internet connectivity or hardware failures could disrupt the system's functionality.
- The website does allow customization of services provided in selected packages.

10.Scope for Enhancement:

- UPI payments can be implemented in the future.
- Currently the website is available in only 3 selected pin code regions, new Localities can be added as per the requirements.

11.Abbreviation:

SRS	:	Software Requirement Specification.
PHP	:	Hypertext Preprocessor
OS	:	Operating System
SQL	:	Structured Query Language.
ER diagram	:	Entity Relationship
VS-Code	:	Visual Studio Code
DFD	:	Data Flow Diagram
CFD	:	Context Flow Diagram

12.Bibliography:

The content for this project has been taken from the following sources:

www.stackoverflow.com

www.youtube.com

THANK YOU