

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
“Jnana Sangama”, Belgaum -590014, Karnataka.



PROJECT WORK-2 REPORT
On

“Gym Management System”

Submitted by

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Under the Guidance of
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Assistant Professor

in partial fulfillment for the award of the degree of
BACHELOR OF ENGINEERING
in
COMPUTER SCIENCE AND ENGINEERING



B.M.S. COLLEGE OF ENGINEERING
(Autonomous Institution under VTU)
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**B. M. S. College of Engineering,
Bull Temple Road, Bangalore 560019**
(Affiliated To Visvesvaraya Technological University, Belgaum)
Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project work entitled “**Gym management System**” carried out by **TUSHAR SHARMA(1BM20CS175), TANMAY SINHA(1BM20CS170), UTKARSH(1BM20CS177)** who are bonafide students of **B. M. S. College of Engineering**. It is in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visveswaraiyah Technological University, Belgaum during the year 20212 The project report has been approved as it satisfies the academic requirements in respect of **Project Work-2(19CS4PWPW2)** work prescribed for the said degree.

Signature of the Guide

Assistant Professor
BMSCE, Bengaluru

Signature of the HOD

Prof & Head of Dept of CSE
BMSCE, Bengaluru

External Viva

Name of the Examiner

Signature with date

B.M.S. COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



DECLARATION

We **TUSHAR SHARMA(1BM20CS175), TANMAY SINHA(1BM20CS170), UTKARSH(1BM20CS177)** students of 4th Semester, B.E, Department of Computer Science and Engineering, BMS College of Engineering, Bangalore, hereby declare that, this Project Work-2 entitled "**Gym management System**" has been carried out by us under the guidance of Prof.DR.Rajeshwari B S, Department of CSE, BMS College of Engineering, Bangalore during the academic semester February-June 2021.

We also declare that to the best of our knowledge and belief, the development reported here is not from part of any other report by any other students.

Signature

TUSHAR SHARMA(1BM20CS175)

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INTRODUCTION

1.1 Overview

The main purpose of this project is to automate a gym or a fitness center and therefore facilitating its operations. It makes the clients and staff data and schedule easily accessible and also making it easy to keep records in a secure database.

Our website allows clients to create a account, check a diet chart, buy other required items and supplements from the shop menu.

The websites checks the bmi and provides diet information according to it, the website makes a easy way to purchase a membership online. This helps people to stay fit and healthy with a hassle free environment, while keeping clients benefit in mind.

The website also allows the owners to access data like products solds, details of members with subscription, check the list of accounts, etc all at one place.

The website also has a feedback and contact us form with which clients can rate us or tell us about a bug or issue they are facing which than can fixed. clients can check their subscription status and their diet too which varies from person to person.

This website has it's Front-End done with HyperText Markup Language (HTML) to create the structure of the webpages and the components included in it, Cascading Style Sheets (CSS) to style the web pages and its components, JavaScript to validate the form entries in the client side and to add functionality to the website. The website is connected to a database using MySQL database in the XAMPP server and hosted using Apache server in the XAMPP. Hypertext Preprocessor (PHP) is used to connect the HTML form to the database, and *phpmyadmin* is used to view the database and the tables. This comprises the Back-End of the website.

1.2 Motivation

In these modern days people have become so much concerned about their health and diet; it is but obviously that they seek out for gym.

The main purpose of this project is to automate a gym or a fitness center and therefore facilitating its operations. We can meet customer's demand. We want to automate the existing system and store the data in more safe and secure manner instead of traditional pen and paper.

This way the data is much more organized and easy to access. Also this way we can reduce time taken to enter data, and also speed up operations like renewable of plans and buying utilities. we can also prevent data loss and corruption of data.

This in turn reduces the maintenance cost and man power required to run a facility. hence the data we require to look at can be retrieved easily and the time of manual searching is saved.

With this data the owners can easily communicate with clients and also send them a mail and insight them about a new product or special offer if and when it comes out. This keep a good and updates mode of communication so no ones misses out on anything.

SOFTWARE REQUIREMENTS

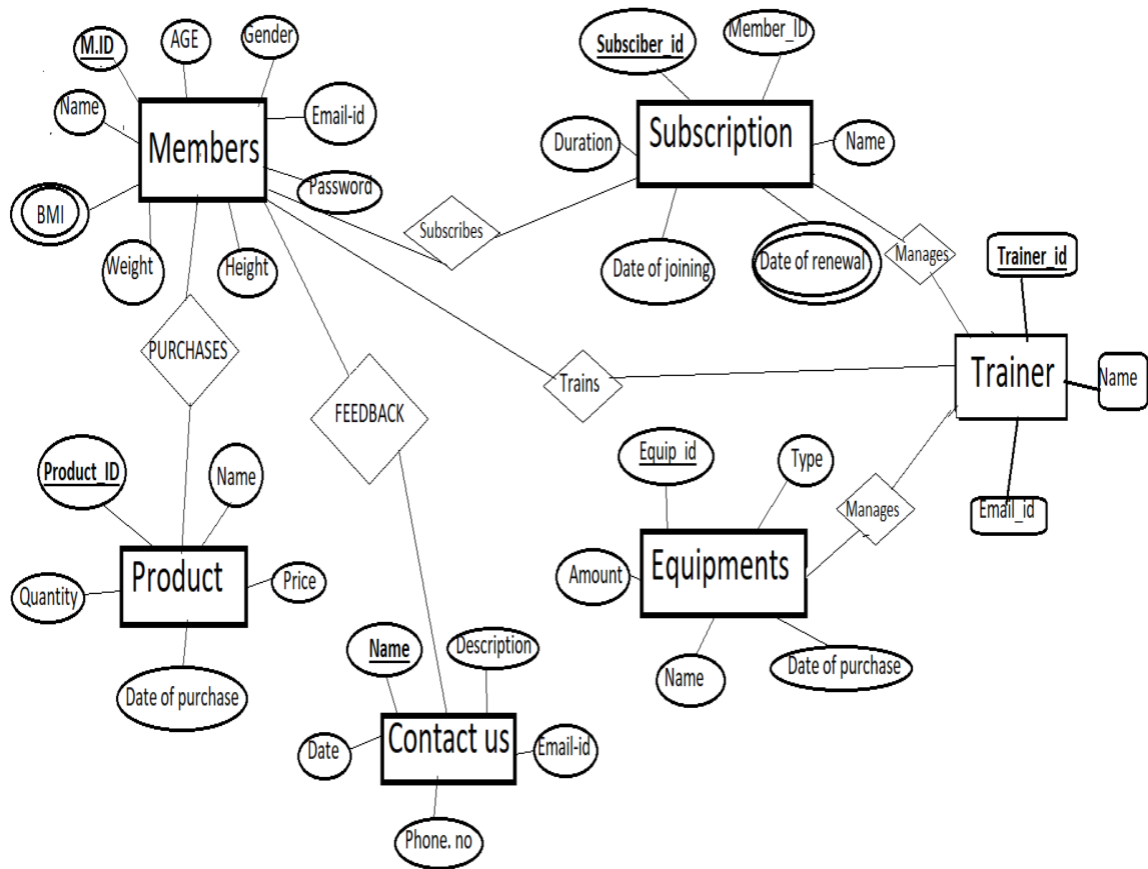
2.1 Hardware Requirements:

- A PC with the following or greater specifications:
 - Intel Core i3 or higher
 - 4 GB RAM
 - 500 GB Hard Drive
- A stable internet connection (2Mbps or higher)

2.2Software Requirements:

- Operating system : Windows, Linux
- Front end technologies are : HTML, CSS, JavaScript
- IDE : VS Code,Sublime text
- Back end requirement : PHP
- Server : XAMPP server

3.0 ER diagram



4.0 Schema Diagram

Members

<u>M.id</u>	age	gender	Email-id	Password	Height	Weight	Name	BMI
-------------	-----	--------	----------	----------	--------	--------	------	-----

Subscription

<u>S.ID</u>	<u>M.id</u>	name	Date of renew	Duration	Date of joining
-------------	-------------	------	---------------	----------	-----------------

Contact us

<u>Name</u>	Desciption	Email-id	Date	Phone no.
-------------	------------	----------	------	-----------

Equipments

<u>E.id</u>	Type	Date of purchase	Name	Amount
-------------	------	------------------	------	--------

Product

<u>P.id</u>	Name	Price	Date of purchase	Quantity
-------------	------	-------	------------------	----------

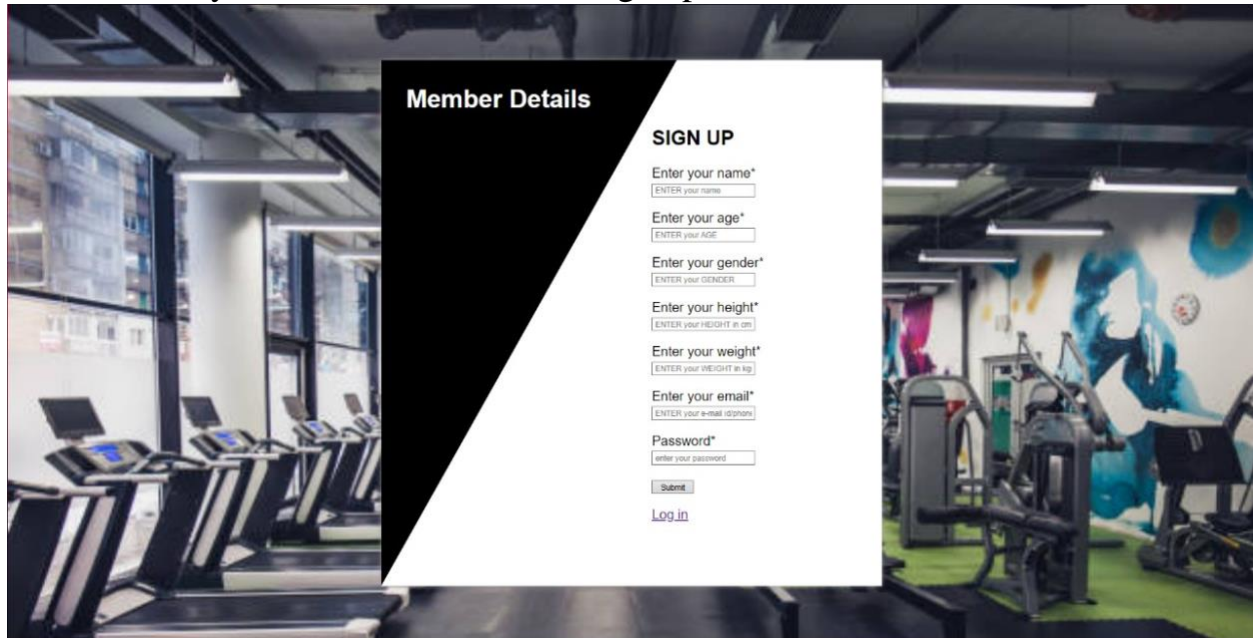
Trainer

<u>T.id</u>	Name	Email-id	M.id
-------------	------	----------	------

USER INTERFACE DESIGN

User Interface- Create/Sign up account page

Here new users can create a account and sign up for the website using this page . it saves the entry in the back end of each sign up.

A screenshot of a web application showing a sign-up form overlaid on a background image of a gym. The form is titled 'Member Details' and 'SIGN UP'. It contains several input fields for personal information, a submit button, and a 'Log in' link.

Member Details

SIGN UP

Enter your name*

Enter your age*

Enter your gender*

Enter your height*

Enter your weight*

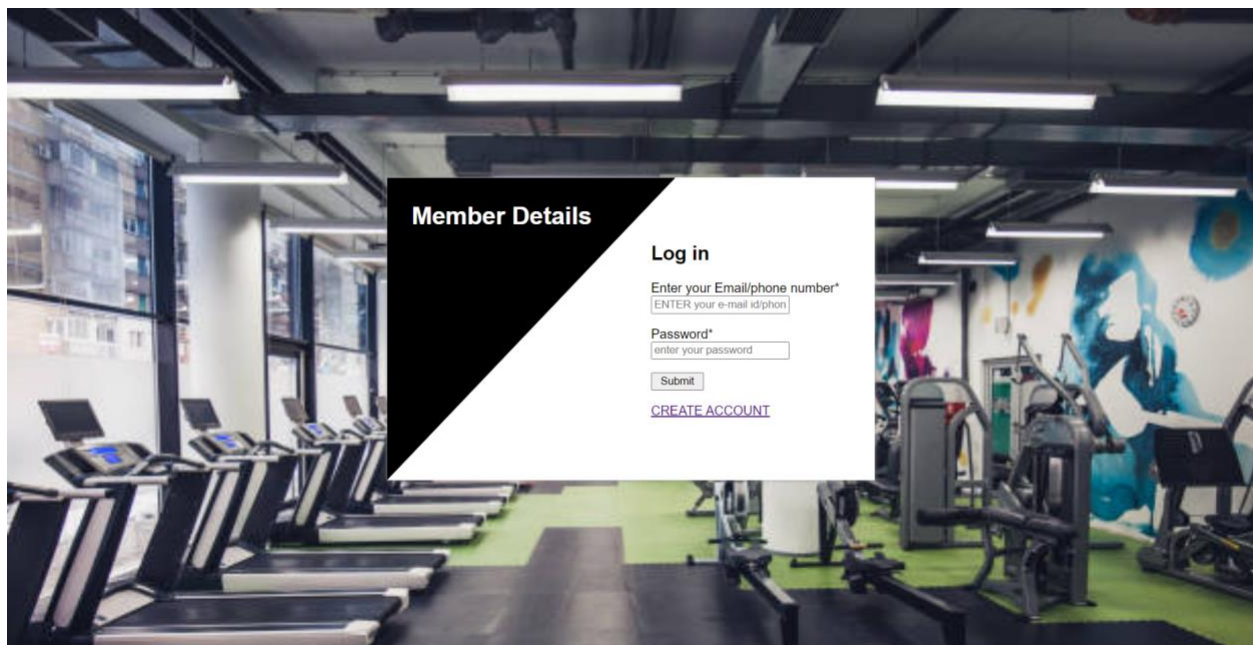
Enter your email*

Password*

[Log in](#)

User Interface- Log-in page.

Here authentication of user occurs and is granted access if the authentication is successful and is denied access if not

A screenshot of a web application showing a log-in form overlaid on the same gym background as the sign-up page. The form is titled 'Member Details' and 'Log in'. It contains input fields for email/phone number and password, a submit button, and a 'CREATE ACCOUNT' link.

Member Details

Log in

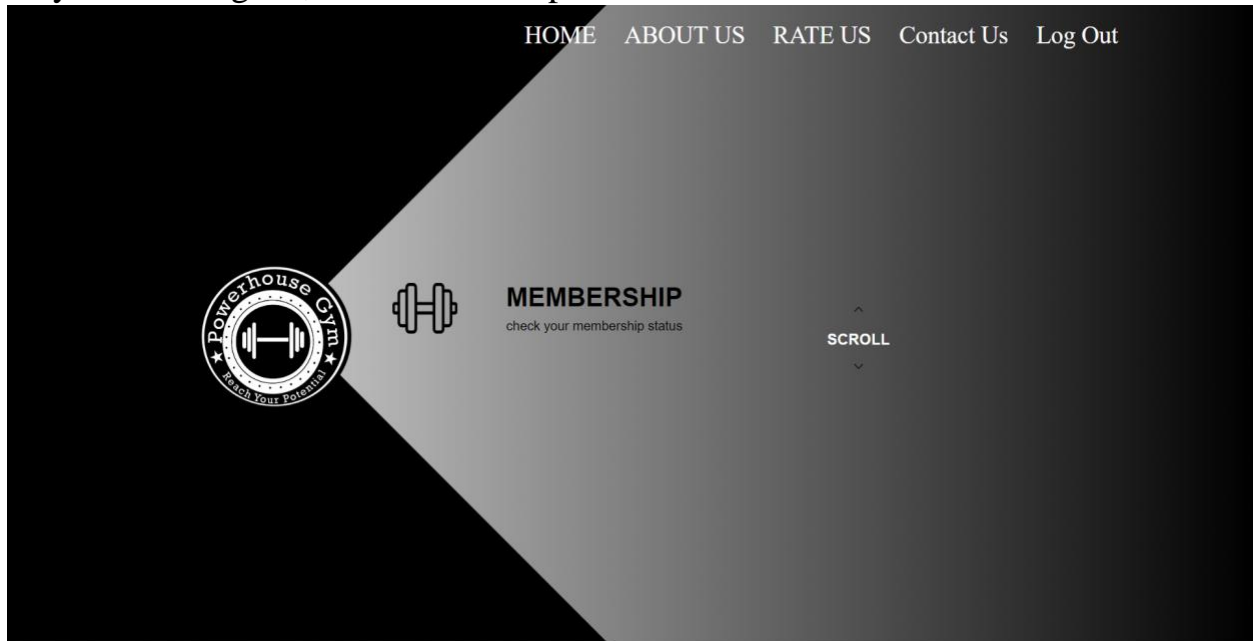
Enter your Email/phone number*

Password*

[CREATE ACCOUNT](#)

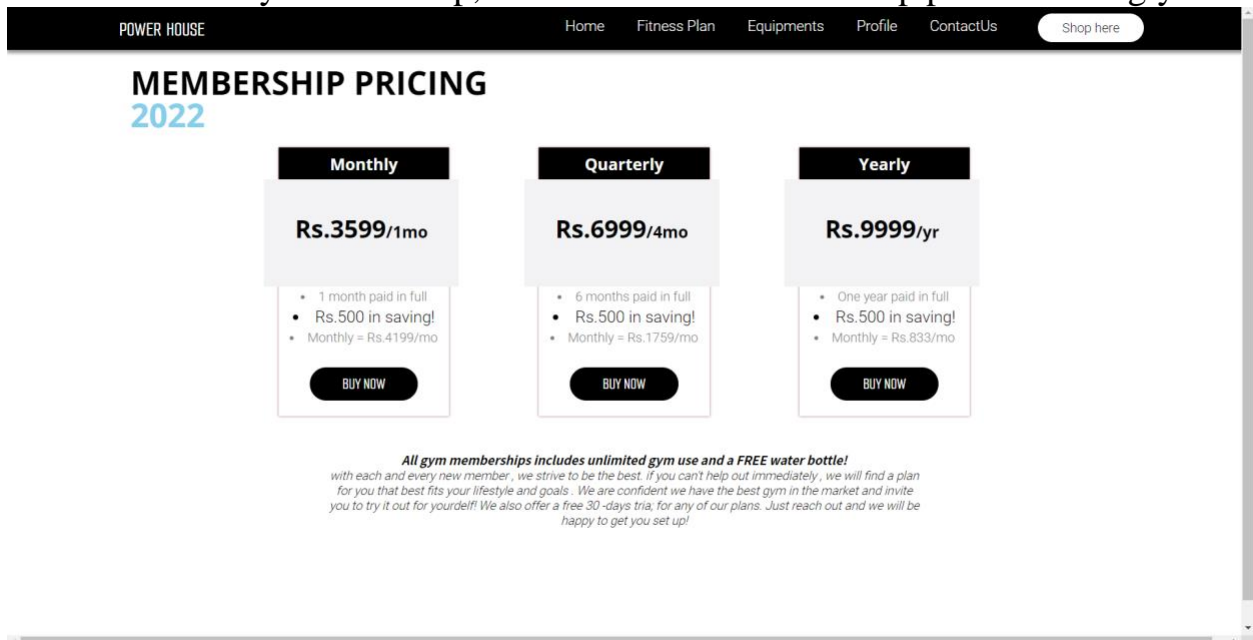
User Interface- Home page.

This is main home page of website where users can browse and check the page they are looking for, it has various option and features



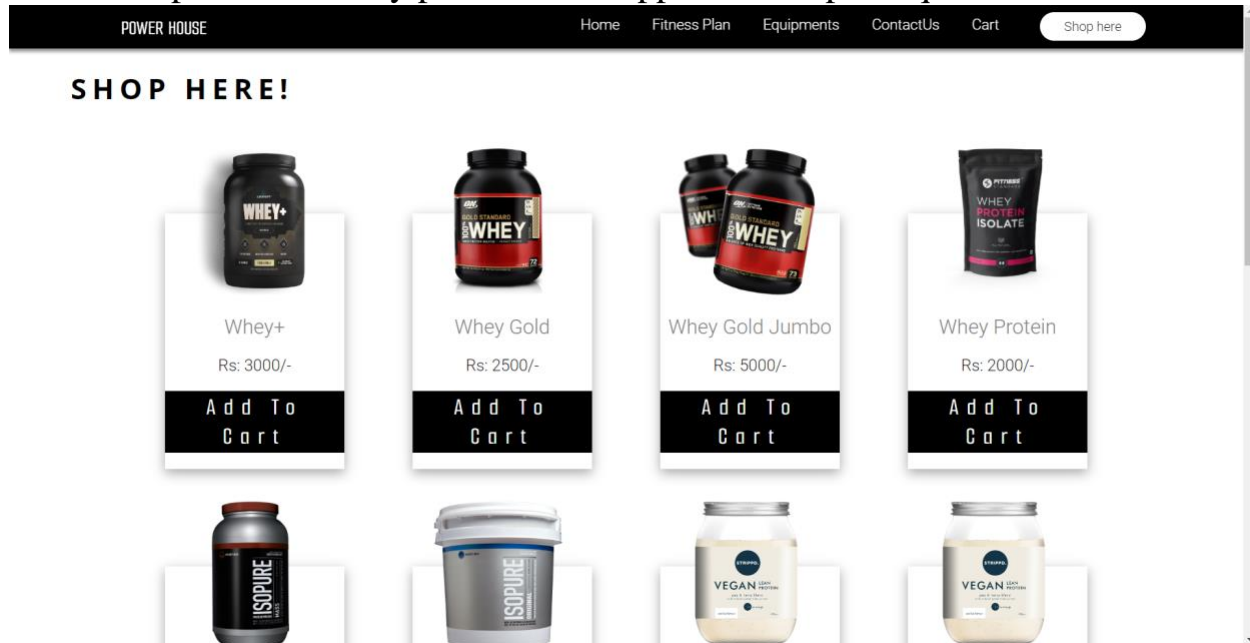
User Interface- Membership page.

Here user can buy membership, and renew their membership plan accordingly.



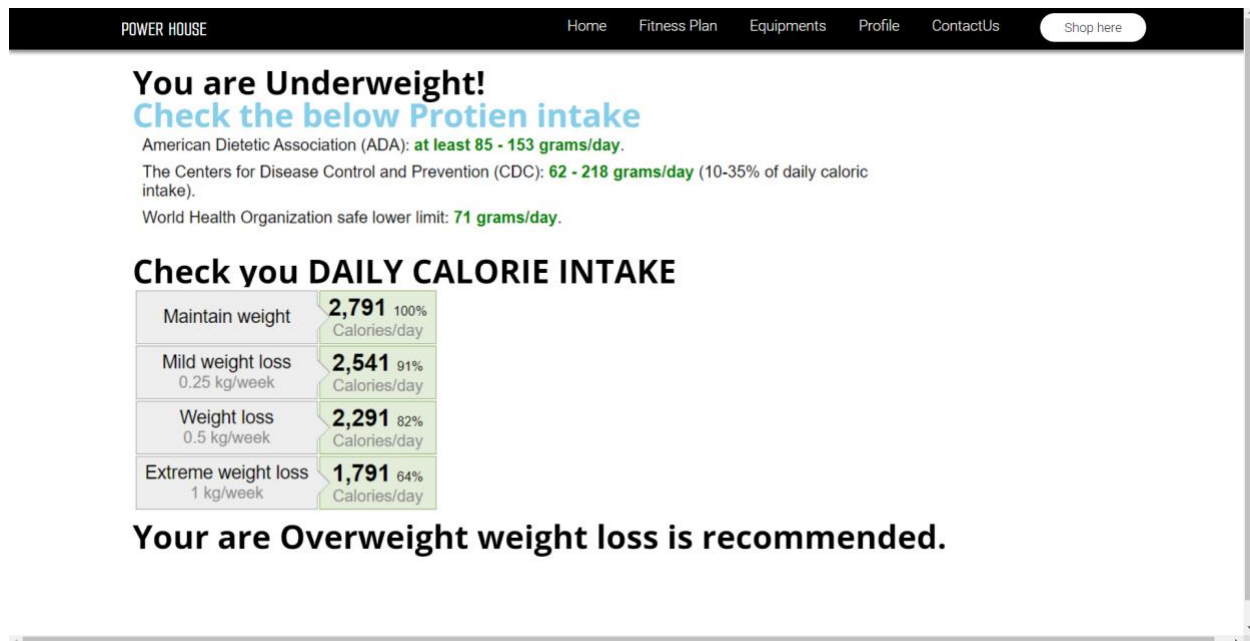
User Interface-SHOP page.

This is shop section to buy product and supplement as per requirement.



User Interface – Diet page.

This page shows info based on your Bmi which is auto calculated, and it gives plan based on your bmi.



User Interface- Contact us

Here user can contact us for any issues or report any bug .etc

Hi tell us whats wrong , report an error, or tell us hows your day going so far?

Enter your details


Submit

User Interface – Shopping Cart

Here user can buy / check out items and see their subtotal of product.

HOME ABOUT US RATE US Contact Us Log Out

Shopping Cart

Product	Price	Quantity	Total
 Whey plus Remove	\$3000.00	4	\$12000

Subtotal \$12000
[Update](#) [Place Order](#)

User Interface – Feedback form

Here users can give feedback of website

★

★

★

★

★

I just like it !

Describe your experience..

SUBMIT

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