

A  
Mini Project Report  
On  
**Titan Gym  
Management System**

Submitted in partial fulfillment of the requirements  
of the degree of  
**Bachelor of Engineering**

by

**Shah Parth Pravin  
Shelar Rutuja Vishnu**

**(119IT3345A)  
(118IT1230B)**

Under the guidance of  
**Prof. Manivannan Panc**



Department of Information Technology  
Mahatma Gandhi Mission's College of Engineering & Technology  
Kamothe, Navi Mumbai – 410 209  
**University of Mumbai**  
**Academic Year: 2020-21**

## **CERTIFICATE**

This is to certify that the mini project entitled “**Titan Gym Management System**” is a bonafide work of **Parth Shah(119IT3345A)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of “**Undergraduate**” in “**Information Technology**”.

(Faculty In charge)

Manivannan Panc

## **DECLARATION**

We declare that this project report entitled “**Titan Gym Management System**” represents our ideas in our own words and where others ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Date:

Place:

---

( Signature )

## **ACKNOWLEDGEMENT**

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely fortunate to have got this all along the completion of our project work. Whatever we have done is only due to such guidance and assistance and we would not forget to thank them.

It is matter of great pleasure for us to submit the project report on “**Titan Gym Management System**”, as a part of our curriculum.

First and foremost, we would like to thank to our principal **Dr. S.K. Narayankhedkar**, for giving us an opportunity to do the project work. We would like to thank our H.o.D Prof. **K.V. Raman** and subject incharge **Prof. Manivannan Panc**, for the valuable guidance and advice. He inspired us greatly to work in this project. His willingness to motivate us contributed tremendously to our project.

And last but not the least a special thanks goes to my team members, who helped me to assemble the information and gave suggestions to complete our project.

# CONTENTS

CHAPTER 1	INTRODUCTION
CHAPTER 2	PROJECT FEATURES & OBJECTIVES
CHAPTER 3	DESIGN & CONNECTIVITY
CHAPTER 4	OUTPUT SNAPSHOTS
CHAPTER 5	SYSTEM REQUIREMENTS
CHAPTER 6	PLAGIARISM CHECK
CHAPTER 7	CONCLUSION

# **CHAPTER - 1**

## **INTRODUCTION**

The two main sections:

Backend: codes that are written in python, PHP, ASP .net to name but a few by the developer  
Frontend: which is markup showed by clients or users browsers, and for doing this we should use HTML (Hyper Text Markup Language), it just shows some elements for users and doesn't run any functions. When you go to a specific URL, your request is sent to your desired server and it'll render for your HTML of the site, in fact, the server runs any server-side functions.

The Front-End used in this project is HTML along with the CSS language.

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages.
- HTML describes the structure of Web pages using markup
- HTML elements are the building blocks of HTML pages
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to render the content of the page

### **1.1 Advantages of HTML:**

1. The first advantage it is widely used.
2. Every browser supports HTML language.
3. Easy to learn and use.
4. It is by default in every window so you don't need to purchase extra software.
5. You can integrate HTML with CSS, JavaScript, PHP etc.

The back-end database used in this project is MySQL

It is a language used to interrogate and process data in a relational database. Originally developed by IBM for its mainframes, SQL commands can be used to interactively work with a database or can be embedded within a script or programming language as an interface to a database. Programming extensions to SQL have turned it into a full-blown database programming language, and all major database management systems (DBMSs) support it. ANSI standardized SQL.

But most DBMSs have some proprietary enhancement, which if used, makes SQL non-standard. Moving an application from one SQL database to another sometimes requires tweaking, the age-old problem in this business!

### **1.2 Advantages of MySQL:**

1. SQL Queries can be used to retrieve large amounts of records from a database quickly.
2. SQL is used to view the data without storing the data into the object
3. SQL joins two or more tables and show it as one object to user
4. SQL databases use long-established standard, which is being adopted by ANSI & ISO. Non-SQL databases do not adhere to any clear standard.
5. Using standard SQL, it is easier to manage database systems without having to write substantial amount of code

## **CHAPTER – 2**

### **PROJECT FEATURES & OBJECTIVES**

#### **2.1 About the Project:**

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

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

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

#### **2.1.2 Main features are:**

1. Gyms Management
2. Gym Members Management
3. Payment Management
4. Plan Management
5. Exercise Routine Management

#### **2.1.3 Objectives:**

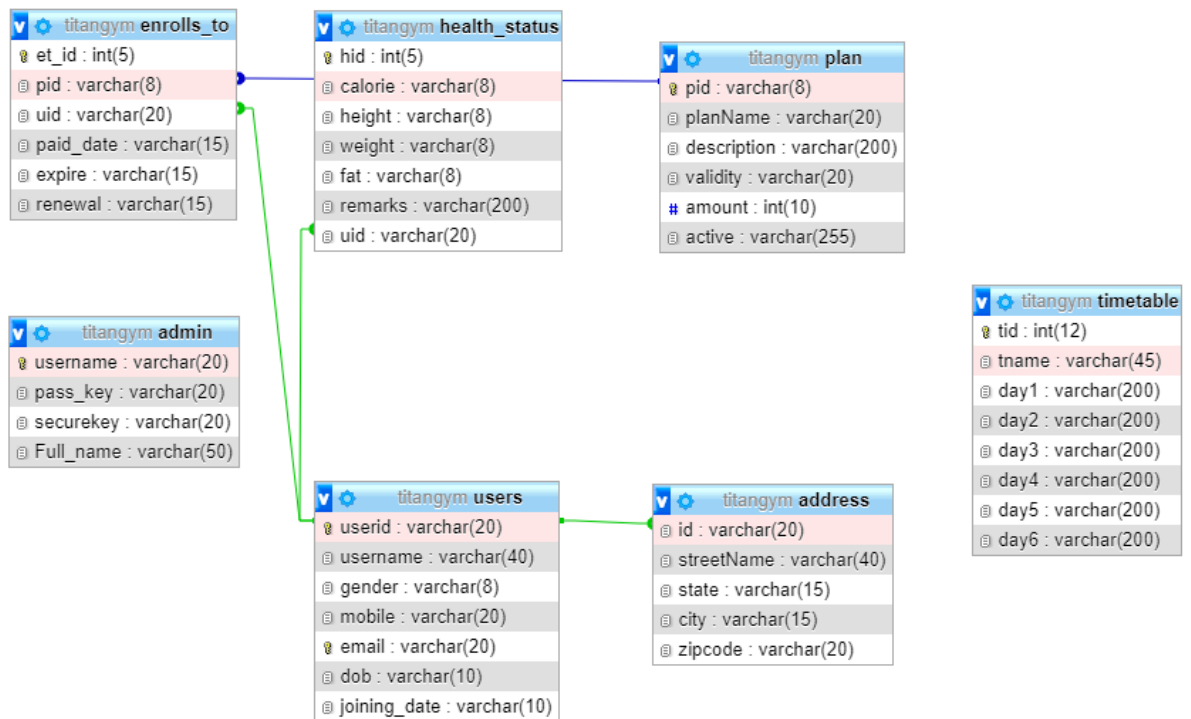
1. Add Newly Joined Members
2. Add payment areas.
3. Add different plan & exercise of gym.
4. View plan for training
5. View payment areas.
6. View members to gym.
7. View different info of members.
8. Update and delete different values of gyms, payments made, gym member's details and plan's information.

## CHAPTER - 3

### DESIGN & CONNECTIVITY

#### 3.1 BACK-END DESIGN

##### 3.1.1 Conceptual Database Design (ER-Diagram)





## 3.2 FRONT-END DESIGN

### 3.2.1 Front-end web development details

- ✓ **HTML** provides the basic structure of sites, which is enhanced and modified by other technologies like CSS and JavaScript.
- ✓ **CSS** is used to control presentation, formatting, and layout.
- ✓ **JavaScript** is used to control the behaviour of different elements.

#### HTML

HTML is at the core of every web page, regardless the complexity of a site or number of technologies involved. It's an essential skill for any web professional. It's the starting point for anyone learning how to create content for the web. And, luckily for us, it's surprisingly easy to learn.

#### CSS

CSS stands for Cascading Style Sheets. This programming language dictates how the HTML elements of a website should actually appear on the frontend of the page.

#### JavaScript

JavaScript is a more complicated language than HTML or CSS, and it wasn't released in beta form until 1995. Nowadays, JavaScript is supported by all modern web browsers and is used on almost every site on the web for more powerful and complex functionality.

### 3.2.2 Connectivity (front end and Back end):

#### **PHP is an amazing and popular language!**

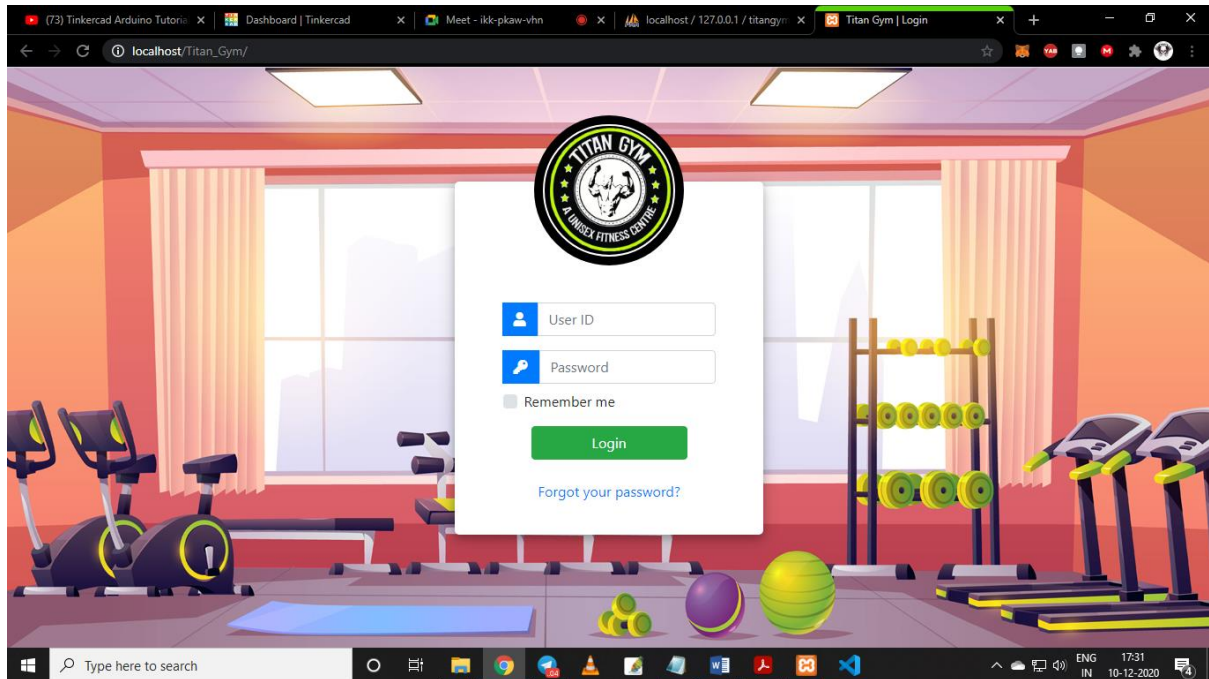
It is powerful enough to be at the core of the biggest blogging system on the web (Word Press)! It is deep enough to run the largest social network (Facebook)! It is also easy enough to be a beginner's first server side language!

- PHP is an acronym for "PHP: Hypertext Pre-processor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use
- PHP files can contain text, HTML, CSS, JavaScript, and PHP code
- PHP code are executed on the server, and the result is returned to the browser as plain HTML
- With PHP you are not limited to output HTML. You can output images, PDF files, and even flash movies. You can also output any text, such as XHTML and XML.

# CHAPTER - 4

## OUTPUT SNAPSHOTS

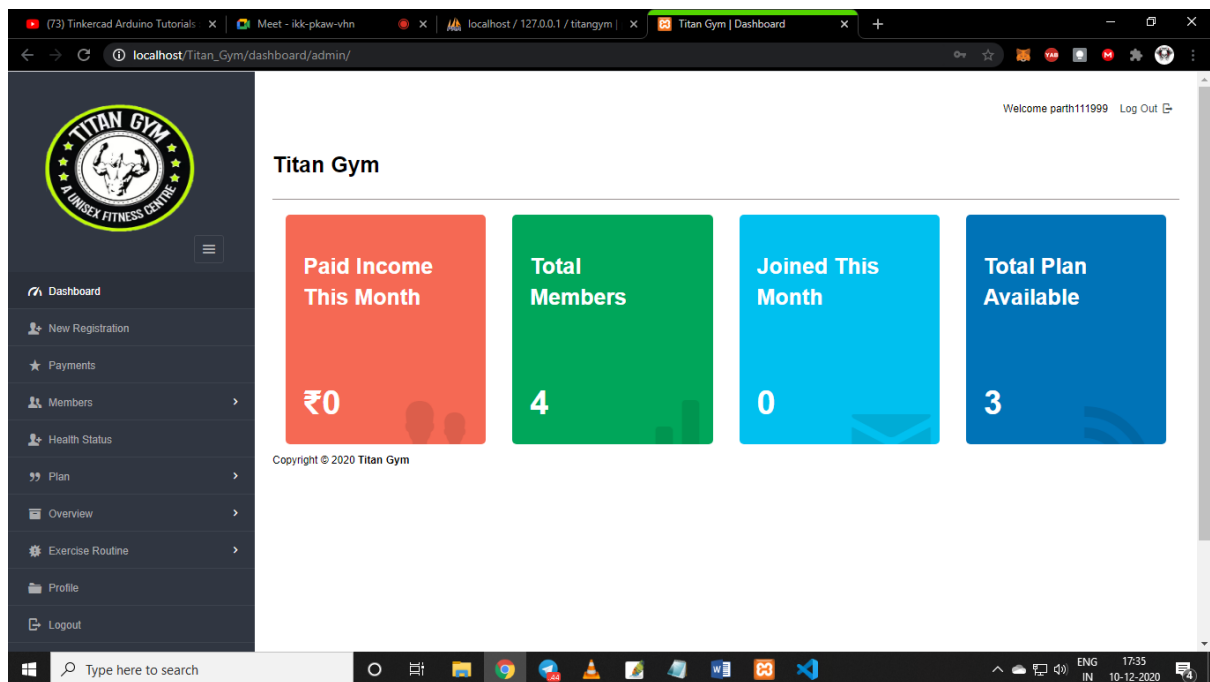
### 4.1.1 ADMIN PAGE



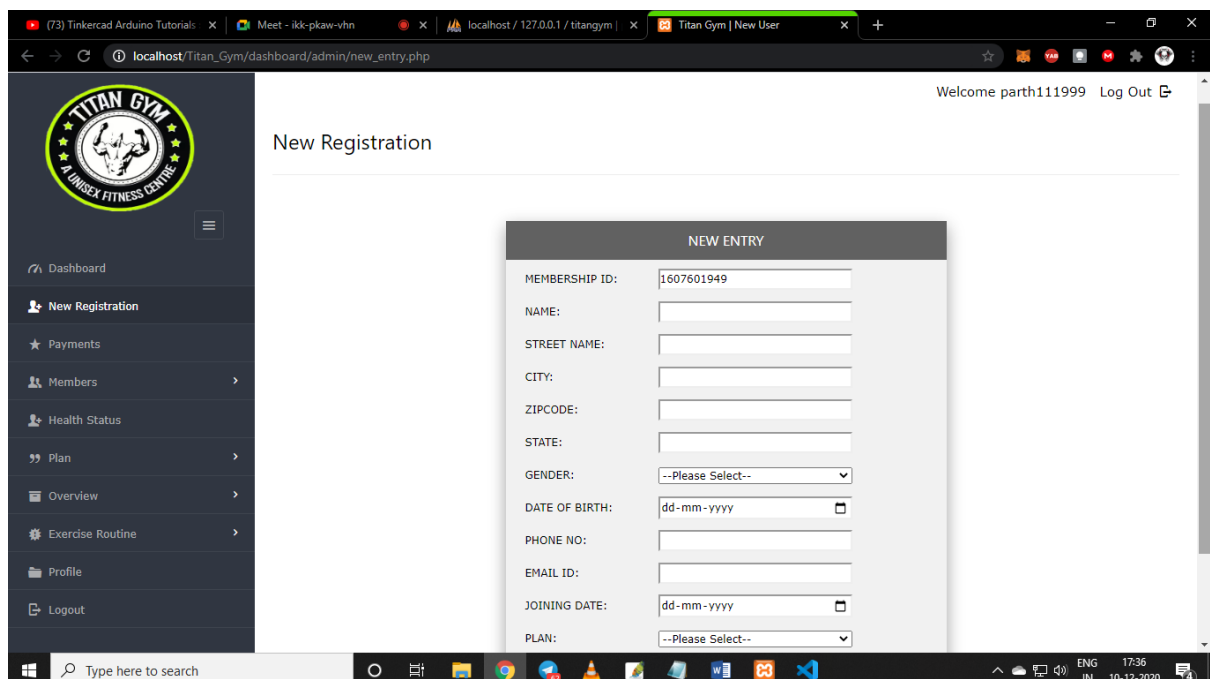
### 4.1.2 FORG PASS PAGE



### 4.1.3 DASHBOARD ADMIN PAGE



### 4.1.4 MEMBER REGISTRATION PAGE



## 4.1.5 MANAGE PAYMENT PAGE

Welcome parth111999 Log Out

### Payments

Sl.No	Membership Expiry	Name	Member ID	Phone	E-Mail	Gender	Action
1	2020-12-27	Rutuja Shelar	1606470121	1234567890	rutujashelar07@gmail	Female	<a href="#">Add Payment</a>
2	2020-12-28	Nisha Tapase	1606572013	1234567890	nishatapase@gmail.co	Female	<a href="#">Add Payment</a>
3	2021-09-28	Parth Shah	1529336794	3362013747	parth111999@gmail.co	Male	<a href="#">Add Payment</a>
4	2021-11-28	Smruti More	1606574492	1234567890	smrutimore@gmail.com	Female	<a href="#">Add Payment</a>

Copyright © 2020 Titan Gym

## 4.1.6 ADD PAYMENT AREA

Welcome parth111999 Log Out

### Titan Gym

**MAKE PAYMENT**

MEMBERSHIP ID:

NAME:

CURRENT PLAN:

SELECT NEW PLAN:

AMOUNT:

VALIDITY:

[ADD PAYMENT](#) [Reset](#)

Copyright © 2020 Titan Gym

## 4.1.7 EDIT MEMBER

Screenshot of the Titan Gym Member View page. The page displays a table of members with columns: Sl.No, Membership Expiry, Member ID, Name, Contact, E-Mail, Gender, Joining Date, and Action. The Action column contains buttons for View History, Edit, and Delete.

Copyright © 2020 Titan Gym

Sl.No	Membership Expiry	Member ID	Name	Contact	E-Mail	Gender	Joining Date	Action
1	2021-09-28	1529336794	Parth Shah	3362013747	parth111999@gmail.co	Male	2018-06-18	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
2	2020-12-27	1606470121	Rutuja Shelar	1234567890	rutujashelar07@gmail	Female	2020-11-25	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
3	2020-12-28	1606572013	Nisha Tapase	1234567890	nishatapase@gmail.co	Female	2020-11-25	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>
4	2021-11-28	1606574492	Smruti More	1234567890	smrutimore@gmail.com	Female	2020-11-25	<a href="#">View History</a> <a href="#">Edit</a> <a href="#">Delete</a>

## 4.1.8 VIEW HISTORY MEMBER

Screenshot of the Titan Gym Member History page. The page displays the details of a member (Parth Shah) and their payment history.

Member History  
Details of : - Parth Shah

Membership ID	Name	Gender	Mobile	Email	Join On
1529336794	Parth Shah	Male	3362013747	parth111999@gmail.co	2018-06-18

Payment history of : - Parth Shah

Sl.No	Plan Name	Plan Desc	Validity	Amount	Payment Date	Expire Date	Action
1	Monthly Plan	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	1	6000	2018-06-18	2018-07-18	<a href="#">Memo</a>
2	Muscle Gain	Special plan for Muscle Gainers	10	40000	2020-11-28	2021-09-28	<a href="#">Memo</a>


Copyright © 2020 Titan Gym

## 4.1.9 PRINT MEMBER INVOICE

localhost / 127.0.0.1 / titangym | X Titan Gym X +

localhost/Titan\_Gym/dashboard/admin/gen\_invoice.php?id=1529336794&pid=AMTPDC&etid=6

PRINT INVOICE



**TITAN GYM**

Sotai Chenijan,  
Jorhat

Serial No : 6

Date : 2020-11-28

Received with thanks from : Parth Shah

A sum of Rupees : 40000

On account of Membership plan: Muscle Gain

Signature

Type here to search

ENG IN 19:10 10-12-2020

## 4.1.10 EDIT MEMBER

localhost / 127.0.0.1 / titangym | X Titan Gym | Edit Member X +

localhost/Titan\_Gym/dashboard/admin/edit\_member.php

Dashboard

New Registration

Payments

**Members**

Health Status

Plan

Overview

Exercise Routine

Profile

Logout

**EDIT MEMBER PROFILE**

User ID:	1529336794
NAME:	Parth Shah
GENDER:	Male
MOBILE:	3362013747
EMAIL:	parth111999@gmail.co
DATE OF BIRTH:	11-09-1999
JOINING DATE:	18-06-2018
STREET NAME:	2069 Quarry Drive
STATE:	NC
CITY:	Greensboro
ZIPCODE:	27409
CALORIE:	
HEIGHT:	
WEIGHT:	
FAT:	

Type here to search

ENG IN 19:11 10-12-2020

## 4.1.11 MEMBER HEALTH STATUS

The screenshot shows a web browser window with the URL `localhost/Titan_Gym/dashboard/admin/health_status_entry.php`. The page features a dark sidebar on the left with a logo and a menu containing: Dashboard, New Registration, Payments, Members, Health Status, Plan, Overview, Exercise Routine, Profile, and Logout. The main content area is titled "EDIT HEALTH STATUS" and contains a form with the following fields: MEMBERSHIP ID (1606470121), USER NAME (Rutuja), DATE OF BIRTH (2000-11-07), GENDER (Female), JOINING DATE (2020-11-25), CALORIE, HEIGHT (Enter Height in cm), WEIGHT (Enter Weight in kg), FAT, and REMARKS (Remarks not more than 200 character). At the bottom of the form are "SUBMIT" and "Reset" buttons. The footer of the page reads "Copyright © 2020 Titan Gym". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons.

EDIT HEALTH STATUS

MEMBERSHIP ID: 1606470121

USER NAME: Rutuja

DATE OF BIRTH: 2000-11-07

GENDER: Female

JOINING DATE: 2020-11-25

CALORIE:

HEIGHT: Enter Height in cm

WEIGHT: Enter Weight in kg

FAT:

REMARKS: Remarks not more than 200 character

SUBMIT Reset

Copyright © 2020 Titan Gym

## 4.1.12 CREATE PLAN PAGE

The screenshot shows a web browser window with the URL `localhost/Titan_Gym/dashboard/admin/new_plan.php`. The page features a dark sidebar on the left with a logo and a menu containing: Dashboard, New Registration, Payments, Members, Health Status, Plan, Overview, Exercise Routine, Profile, and Logout. The main content area is titled "Create Plan" and contains a form titled "NEW PLAN DETAILS" with the following fields: PLAN ID (RBIXGN), PLAN NAME (Muscle Gain), PLAN DESCRIPTION (Special plan for Muscle Gainers), PLAN VALIDITY (6), and PLAN AMOUNT (40000). At the bottom of the form are "CREATE PLAN" and "Reset" buttons. The footer of the page reads "Copyright © 2020 Titan Gym". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons.

Welcome parth111999 Log Out

Create Plan

NEW PLAN DETAILS

PLAN ID: RBIXGN

PLAN NAME: Muscle Gain

PLAN DESCRIPTION: Special plan for Muscle Gainers

PLAN VALIDITY: 6

PLAN AMOUNT: 40000

CREATE PLAN Reset

Copyright © 2020 Titan Gym

### 4.1.13 EDIT PLAN PAGE

Manage Plan

S.No	Plan ID	Plan name	Plan Details	Months	Rate	Action
1	CLDVXQ	Fat Loss	Special plan for fat aunties	12	₹50000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>
2	AMTPDC	Muscle Gain	Special plan for Muscle Gainers	10	₹40000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>
3	POQKJC	Monthly Plan	A monthly subscription that unlocks the entire Gym Plan app and coach support on chat.	1	₹6000	<a href="#">Edit Plan</a> <a href="#">Delete Plan</a>

Copyright © 2020 Titan Gym

### 4.1.14 OVERVIEW MENU

Overview

- Members per Month
- Members per Year
- Income per Month

### 4.1.15 ADD NEW EXERCISE ROUTINE

Create Routine

NEW ROUTINE

ROUTINE NAME: Muscle Gain

DAY 1: Biceps

DAY 2: Triceps

DAY 3: Back

DAY 4: Abs

DAY 5: Shoulder

DAY 6: Legs

[Add Routine](#) [Reset](#)

Copyright © 2020 Titan Gym



## 4.1.16 PRINT EXERCISE PLAN

localhost / 127.0.0.1 / titangym | x Titan Gym | Detail Routine

localhost/Titan\_Gym/dashboard/admin/viewdetailroutine.php?id=1

Welcome parth111999 Log Out

### Routine Detail

Routine Name: Muscle Gain

Day	Exercise
Day 1:	Biceps
Day 2:	Legs
Day 3:	Shoulder
Day 4:	Back
Day 5:	Abs
Day 6:	Triceps

PRINT ROUTINE

## 4.1.17 ADMIN INFO

localhost / 127.0.0.1 / titangym | x Titan Gym | Admin

localhost/Titan\_Gym/dashboard/admin/more-userprofile.php

Welcome parth111999 Log Out

### Edit user profile

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

CHANGE PROFILE

ID: parth111999

FULL NAME: Parth Shah

PASSWORD: [Masked]

Change password For security reasons hidden

SUBMIT Reset

Copyright © 2020 Titan Gym

## **CHAPTER - 5**

### **SYSTEM REQUIREMENTS**

#### **Software Requirement:**

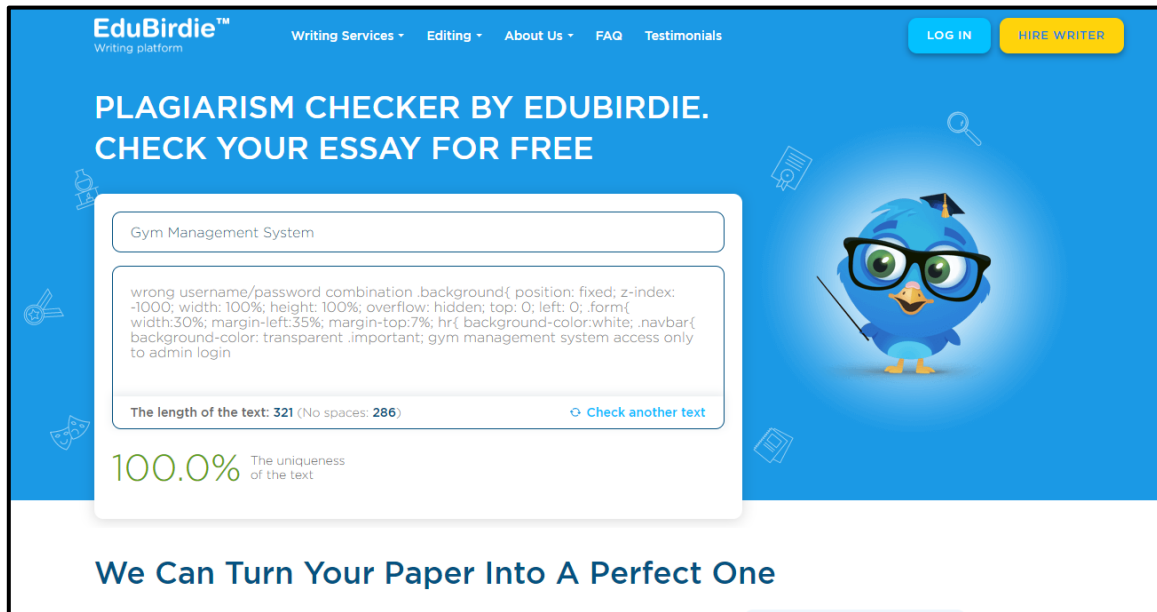
1. Front End: Chrome or Any Search Engine
2. Xampp x64 bit
3. Back End: Visual Studio Code or any Text Editor

#### **Hardware Requirement:**

1. Processor- Intel i3 or more
2. RAM- 2 GB or more
3. Hard Disk- 500GB or more

## CHAPTER - 6

### PLAGIARISM CHECK



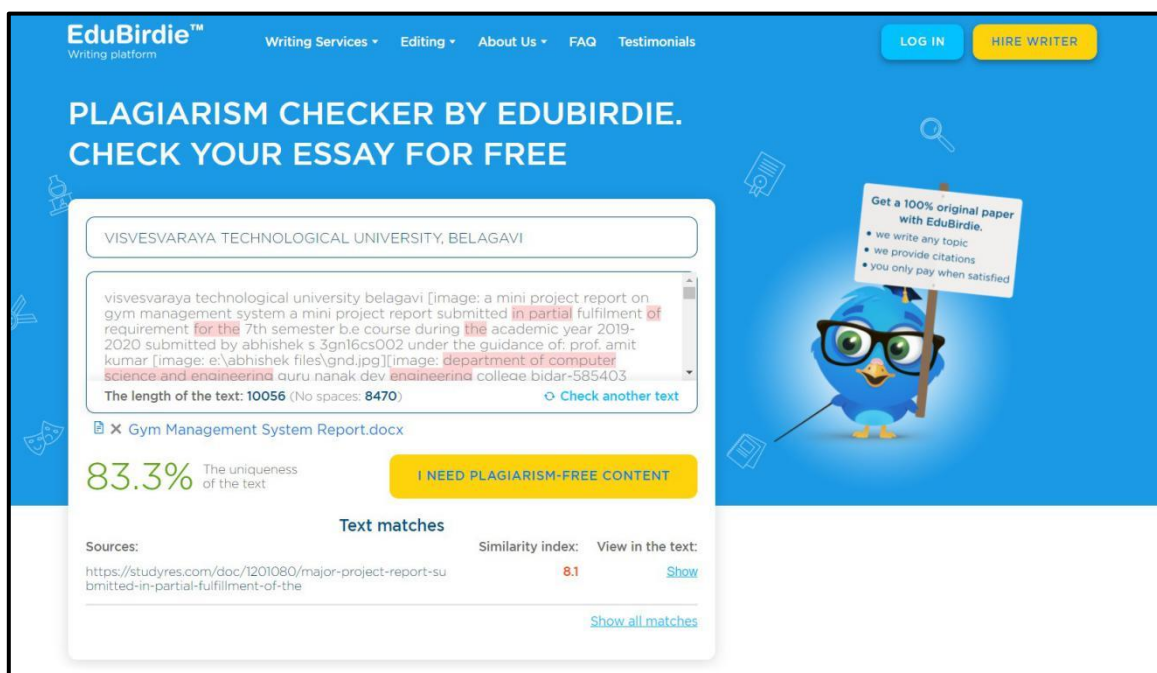
The screenshot shows the EduBirdie plagiarism checker interface. The header includes the logo, navigation links (Writing Services, Editing, About Us, FAQ, Testimonials), and buttons for LOG IN and HIRE WRITER. The main heading reads "PLAGIARISM CHECKER BY EDUBIRDIE. CHECK YOUR ESSAY FOR FREE". A text input field contains the code "Gym Management System". Below the input, a preview of the code is shown: 

```
wrong username/password combination .background{ position: fixed; z-index: -1000; width: 100%; height: 100%; overflow: hidden; top: 0; left: 0; .form{ width: 30%; margin-left: 35%; margin-top: 7%; hr{ background-color: white; .navbar{ background-color: transparent .important; gym management system access only to admin login
```

. The length of the text is 321 (No spaces: 286). A button "Check another text" is visible. The uniqueness result is 100.0%, with a note "The uniqueness of the text". A cartoon bird character is on the right. At the bottom, a banner says "We Can Turn Your Paper Into A Perfect One".

Plagiarism detection is the process of locating instances of plagiarism within a work or document. The widespread use of computers and the advent of the Internet have made it easier to plagiarize the work. With the free plagiarism checker by Edubirdie available online, the code for gym management system is verified and displays that the project code is unique.

### PLAGIARISM CHECKER OF CODE – 100% UNIQUE



The screenshot shows the EduBirdie plagiarism checker interface. The header is the same as the previous image. The main heading is "PLAGIARISM CHECKER BY EDUBIRDIE. CHECK YOUR ESSAY FOR FREE". A text input field contains the text "VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI". Below the input, a preview of the text is shown: 

visvesvaraya technological university belagavi [image: a mini project report on gym management system a mini project report submitted in partial fulfilment of requirement for the 7th semester b.e course during the academic year 2019-2020 submitted by abhishek s 3gn16cs002 under the guidance of: prof. amit kumar [image: e:\abhishek files\gnd.jpg][image: department of computer science and engineering auru nanak dev engineering college bidar-585403

. The length of the text is 10056 (No spaces: 8470). A button "Check another text" is visible. The uniqueness result is 83.3%, with a note "The uniqueness of the text". A button "I NEED PLAGIARISM-FREE CONTENT" is present. A cartoon bird character is on the right, holding a sign that says "Get a 100% original paper with EduBirdie. • we write any topic • we provide citations • you only pay when satisfied". Below the uniqueness result, a section titled "Text matches" shows a source: 

Sources: <https://studyres.com/doc/1201060/major-project-report-submitted-in-partial-fulfilment-of-the> Similarity index: 8.1 View in the text: [Show](#)

. A button "Show all matches" is at the bottom.

### PLAGIARISM CHECKER OF REPORT – 83.3% UNIQUE

## **CHAPTER - 7**

### **CONCLUSION**

While developing this project we have learnt a lot about HTML/CSS/BOOTSTRAP/JS/PHP/MySQL and working with database management, we have also learnt how to make the application user-friendly (easy to use and handle) by hiding the complicated parts of it from the users.

During the development process, we studied carefully and understood the criteria for making a software more demanding, we also realized the importance of maintaining a minimal margin for errors.