

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI**



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

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CERTIFICATE

This is to certify that the mini project work entitled “**GYM MANAGEMENT SYSTEM**” is a bonafied work carried out by **ABHISHEK S (3GN16CS002)** in partial fulfilment of the requirements for the Bachelor’s degree in **COMPUTER SCIENCE AND ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2019-2020. It is certified that this Mini Project Report has been approved as it satisfies the academic requirements.

SIGNATURE OF GUIDE

SIGNATURE OF EXTERNAL

SIGNATURE OF HOD

ACKNOWLEDGEMENT

I am highly intended my project guide **Prof. Amit Kumar**, for guiding and giving me timely advices and suggestions in successful completion of project work “**GYM MANAGEMENT SYSTEM**”. My sincere thanks to **Prof. Dhananjay Maktedar** HOD of Computer Science and Engineering department for his whole hearted support in completion of project.

I would like to express my deep sense of gratitude to principal **Dr.Ravindra Eklarker** GURU NANAK DEV ENGINEERING COLLEGE, BIDAR for his motivation and for creating the inspiring atmosphere in the college providing state of art facilities for preparation and delivery of project. Finally, I thank all the staff members who directly or indirectly helped me to complete this project.

ABHISHEK S (3GN16CS002)

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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:

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. Trainers Management

2.1.3 Objectives:

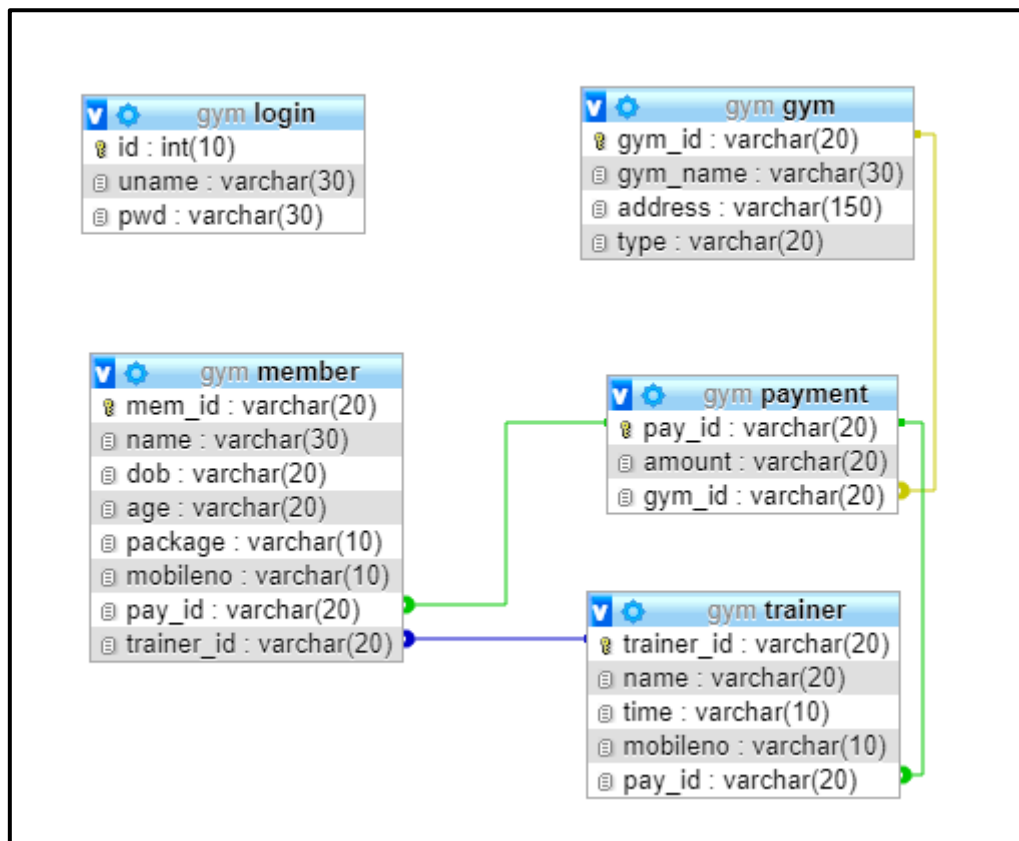
1. Add different gyms.
2. Add payment areas.
3. Add members to gym.
4. Add different trainers of gym.
5. View different gyms.
6. View payment areas.
7. View members to gym.
8. View different trainers of gym.
9. Update and delete different values of gyms, payments made, gym member's details and trainer's 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!

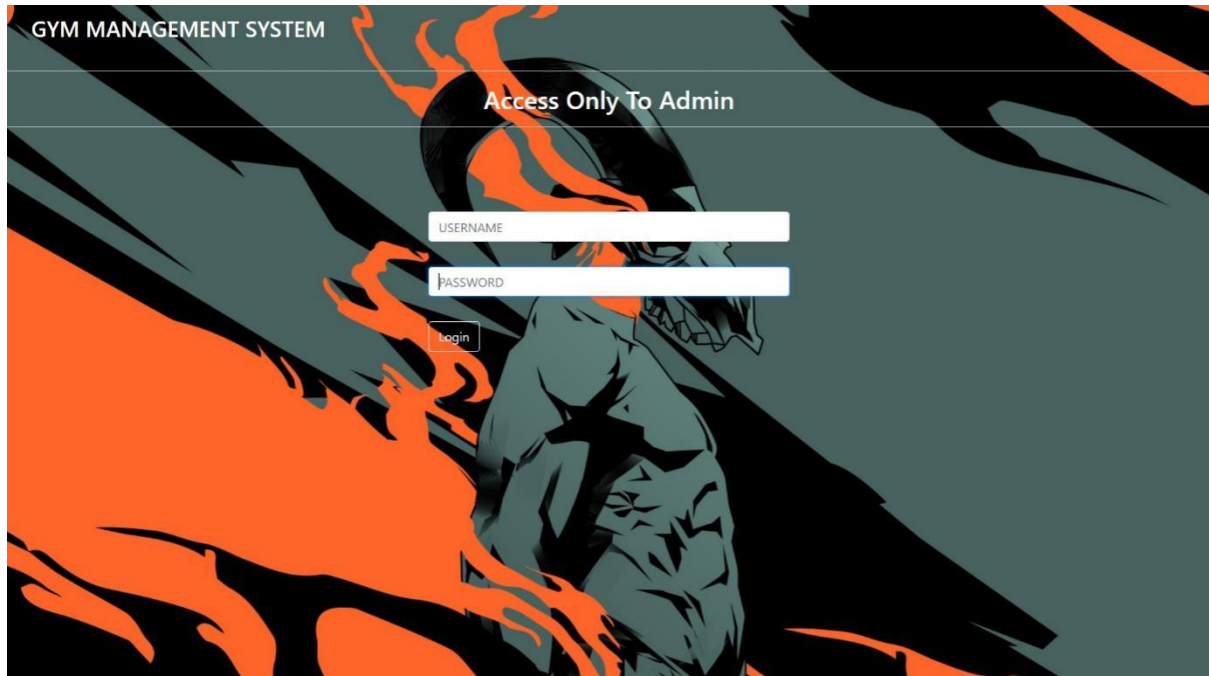
It is powerful enough to be at the core of the biggest blogging system on the web (Word Press)! It is deep enough to run the largest social network (Facebook)! It is also easy enough to be a beginner's first server side language!

- 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



GYM MANAGEMENT SYSTEM

Access Only To Admin

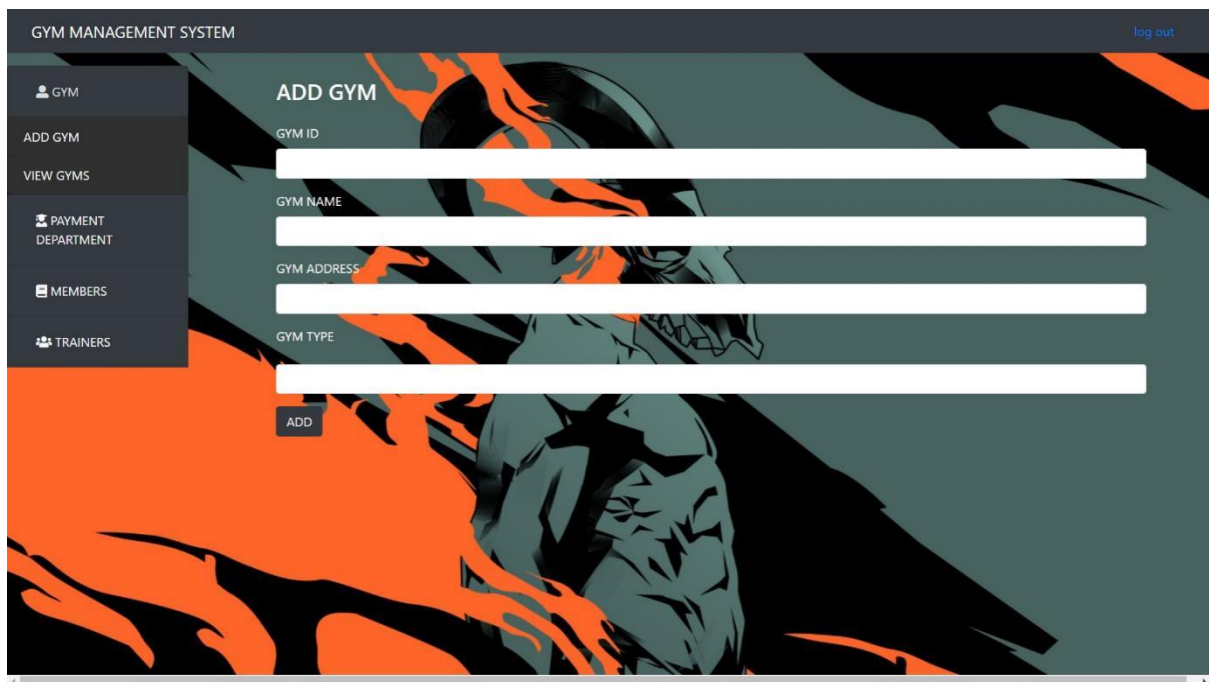
USERNAME

PASSWORD

Login

The admin login page features a dark background with a stylized illustration of a muscular man in a blue suit and a woman with long red hair. The page includes a header with the system name, a login prompt, and input fields for username and password, followed by a login button.

4.1.2 ADD GYM



GYM MANAGEMENT SYSTEM [log out](#)

ADD GYM

GYM ID

GYM NAME

GYM ADDRESS

GYM TYPE

ADD

The 'Add Gym' page has a dark sidebar with navigation links: GYM, ADD GYM, VIEW GYMS, PAYMENT DEPARTMENT, MEMBERS, and TRAINERS. The main content area has a dark background with the same illustration as the login page. It contains a form with four input fields for GYM ID, GYM NAME, GYM ADDRESS, and GYM TYPE, and an 'ADD' button. A 'log out' link is in the top right corner.

4.1.3 MANAGE GYM

GYM MANAGEMENT SYSTEM

log out

GYM

ADD GYM

VIEW GYMS

PAYMENT DEPARTMENT

MEMBERS

TRAINERS

SEARCH GYM

ENTER GYM NAME OR GYM ID

GYM ID	GYM NAME	GYM ADDRESS	GYM TYPE
GYM1	GYM LAND	Shiv Nagar	men
GYM2	TARGET ZONE	Shanthi Nagar	unisex
GYM3	GEORGE GYM	Maresh Nagar	unisex
GYM4	SUNNY GYM FITNESS STATION	Rupali Complex	women
GYM5	A3 FITNESS GYM	Ramnagar Colony	men
GYM6	SHAPE GYM	Zion Colony	unisex
GYM7	TITAN GYM	Old City	women
GYM8	TIGERS TOP GYM	Madival Circle	men

4.1.4 ADD PAYMENT AREA

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

ADD PAYMENT AREA

VIEW PAYMENT AREAS

MEMBERS

TRAINERS

ADD PAYMENT AREA

PAYMENT AREA ID

AMOUNT

GYM ID

ADD

4.1.5 MANAGE PAYMENT AREA

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

ADD PAYMENT AREA

VIEW PAYMENT AREAS

MEMBERS

TRAINERS

SEARCH PAYMENT AREA

ENTER PAYMENT AREA ID

PAYMENT AREA ID	AMOUNT	GYM ID
Payment1	5200	GYM1
Payment2	4800	GYM2
Payment3	6400	GYM3
Payment4	5400	GYM4
Payment5	6000	GYM5
Payment6	4500	GYM6
Payment7	5500	GYM7
Payment8	6100	GYM8

4.1.6 ADD MEMBER

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

MEMBERS

ADD MEMBER

VIEW MEMBERS

TRAINERS

ADD MEMBER

MEMBER ID

MEMBER NAME

AGE

DOB

PACKAGE

MOBILE NO

PAYMENT AREA ID

TRAINER ID

4.1.7 MANAGE MEMBER

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

MEMBERS

ADD MEMBER

VIEW MEMBERS

TRAINERS

SEARCH MEMBER

ENTER MEMBER NAME OR MEMBER ID

MEMBER ID	MEMBER NAME	AGE	DOB	PACKAGE	MOBILE NO	PAYMENT AREA ID	TRAINER ID
M1	Aditya	26	18/08/1994	5200	8888888888	Payment1	T1
M2	Karan	21	26/06/1998	4800	9988998899	Payment2	T2
M3	Chirag	22	22/07/1997	6400	9977997799	Payment3	T3
M4	Abhishek	21	21/08/1998	5400	9966996699	Payment4	T4
M5	Veeresh	20	24/06/1999	6000	9955995599	Payment5	T5

4.1.8 ADD TRAINER

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

MEMBERS

TRAINERS

ADD TRAINER

VIEW TRAINERS

ADD TRAINER

TRAINER ID

TRAINER NAME

TIME

MOBILE NO

PAYMENT AREA ID

ADD

4.1.9 MANAGE TRAINER

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

MEMBERS

TRAINERS

ADD TRAINER

VIEW TRAINERS

SEARCH TRAINER

ENTER TRAINER NAME OR TRAINER ID

TRAINER ID	NAME	TIME	MOBILE NO
T1	George	5:00 AM	9999999999
T2	Tanveer	9:00 AM	8888888888
T3	Wong Lee	11:00 AM	7777777777
T4	Kiran Das	1:00 PM	6666666666
T5	Harry Styles	3:00 PM	6655665566
T6	James Corden	5:00 PM	6677667766
T7	Jimmy Kimmel	7:00 PM	6688668866
T8	Ray Berlin	9:00 PM	6699669966

CHAPTER - 5

SYSTEM REQUIREMENTS

Software Requirement:

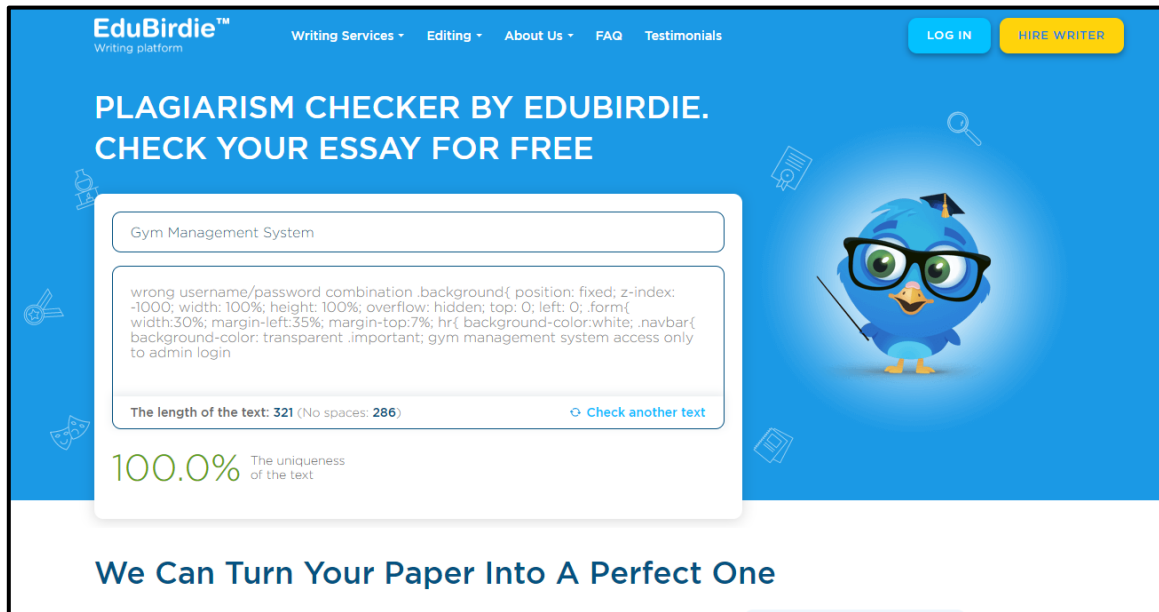
1. Front End: Chrome or Any Search Engine
2. Xampp x64 bit
3. Back End: Visual Studio Code or any Text Editor

Hardware Requirement:

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

CHAPTER - 6

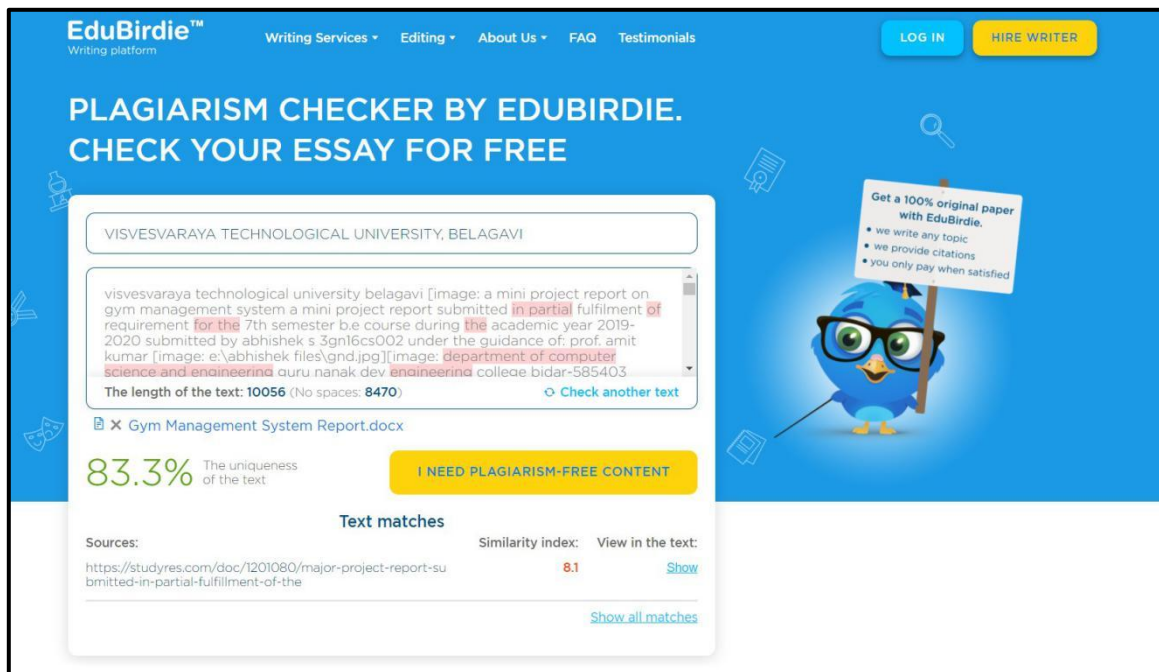
PLAGIARISM CHECK



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". The input field contains the text "Gym Management System". The code snippet is: `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). The uniqueness of the text is 100.0%. A button labeled "Check another text" is visible. 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". The input field contains "VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI". The text snippet is: `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 3gnl6cs002 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). The uniqueness of the text is 83.3%. A button labeled "Check another text" is visible. Below the uniqueness result, a yellow button says "I NEED PLAGIARISM-FREE CONTENT". The file name "Gym Management System Report.docx" is shown. Under "Text matches", a source is listed: `https://studyres.com/doc/1201080/major-project-report-submitted-in-partial-fulfilment-of-the` with a similarity index of 8.1. A button labeled "Show all matches" is at the bottom. 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".

PLAGIARISM CHECKER OF REPORT – 83.3% UNIQUE

CHAPTER - 7
COST ESTIMATION OF PROJECT

PROJECT NAME: GYM MANAGEMENT SYSTEM

Sl. NO	PHASE	PROGRAMMING DAYS	ESTIMATED DAYS (in INR)
1	Requirements	5	1200
2	Design	7	1500
3	Implementation	10	1800
4	Testing	3	1500
5	Installation	5	1000
6	Documentation	8	1800

Total Cost: 8800 INR

CHAPTER - 8

CONCLUSION

While developing this project we have learnt a lot about HTML/CSS/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.