

**A
Project Report
On
"FITNESS CLUB MANAGEMENT SYSTEM"**

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DEPSTAR**

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CERTIFICATE

This is to certify that the report entitled “**Fitness Club Management System**” is a bonafied work carried out by **Mr. Zeel Thakkar(19DIT075)** under the guidance and supervision of **Prof. Chintal Raval and Prof. Hardik Jaiswal** for the subject IT2449 (For IT)-**Software Group Project-II (IT)** of 4th Semester of Bachelor of Technology in **DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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ACKNOWLEDGEMENT

We, the developer of Fitness Club Management System , with immense pleasure and commitment would like to present the project assignment. The development of this project has given me wide opportunity to think, implement and interact with various aspects of management skills as well as the new emerging technologies.

Every work that one completes successfully stands on the constant encouragement, good will and support of the people around. We hereby avail this opportunity to express my gratitude to number of people who extended their valuable time, full support and cooperation in developing the project.

We express deep sense of gratitude towards our Head of the IT Department, Dr. Amit Nayak and project guides Prof. Chintal Raval and Prof. Hardik jaiswal for the support during the whole session of study and development. It is because of them, that We was prompted to do hard work, adopting new technologies.

Thanks,
Rishi Patel
Zeel Thakkar

Abstract

This Report presents the design and implementation of a fitness club management system for a web environment. It will enable users (admin, trainers, members) to manage the gym efficiently. It is a Website for any fitness club or healthcare center, which is uniquely designed so that all the members, trainers as well as administration can deal with their work on a single Platform. This website makes the admin's work easy by registering members and trainers, it also helps the admin in managing their accounts, Members are given proper diet plans and workout plans by the system, Trainers can easily maintain records of the members. The article will describe both the system and the specific differences from other softwares.

TABLE OF CONTENTS

List of tables	5
Chapter 1 Project Defenition.....	6
Chapter 2 Description.....	7
Chapter 3 Software and Hardware Requirement.....	8
Chapter 4 Major Functionality.....	9
Chapter 5 Gantt Chart.....	10
Chapter 6 Screenshot of Project Output.....	11
Chapter 7 Project Outcomes.....	12
Chapter 8 Future Enhancements	13
Refrences.....	14

Project Definition

The gyms are working manually. The current system is time consuming and also it is very costly, because it involves a lot of paperwork. To manually handle the system was very difficult task. But now-a-days computerization made easy to work. The Gym Management requires a system that will handle all the necessary and minute details easily and proper database security accordingly to the user. They requires software, which will store data about members, employees, products, payroll, receipts of members etc. & all transactions that occur in Gym and lock-up with graphical user interface(GUI).

Description

The system proposed has many advantages. The proposed system is highly secured, because for login the system it requires the username and password which is different for each department therefore providing each department a different view of the customer information. It provides wide range of certain criteria in each window the client is working for better and quicker solution. It maintains report for all criteria. Manages member information separately for all exercise and employee information separately for considering the requirements of gym. This system can run on any windows operating system.

The proposed system is managed by the visual studio 16.19.3, PHP 8.0.3, Mysql 8.0 which are user friendly software for every developer and for maintaining the database XAMPP is used.

Software and Hardware Requirements

Hardware Requirements :

- 4 GB RAM minimum, 8 GB RAM recommended
- 2 GB of available disk space minimum,
- 1280 x 800 minimum screen resolution

Software Requirements :

- Operating System : Microsoft® Windows® 7/8/10 (64-bit)
- Platform : Visual Studio Code (Version: 16.19.3),
XAMPP (Version: 8.0.3)
- Language : HTML, CSS, JavaScript, PHP
- Backend : Mysql

Major Functionality

The main functions of the application are as follows :

➤ **ADMIN :**

- Admin can maintain the records of members and trainers.
- Admin gets the feedbacks from their users as well as new Inquiries.

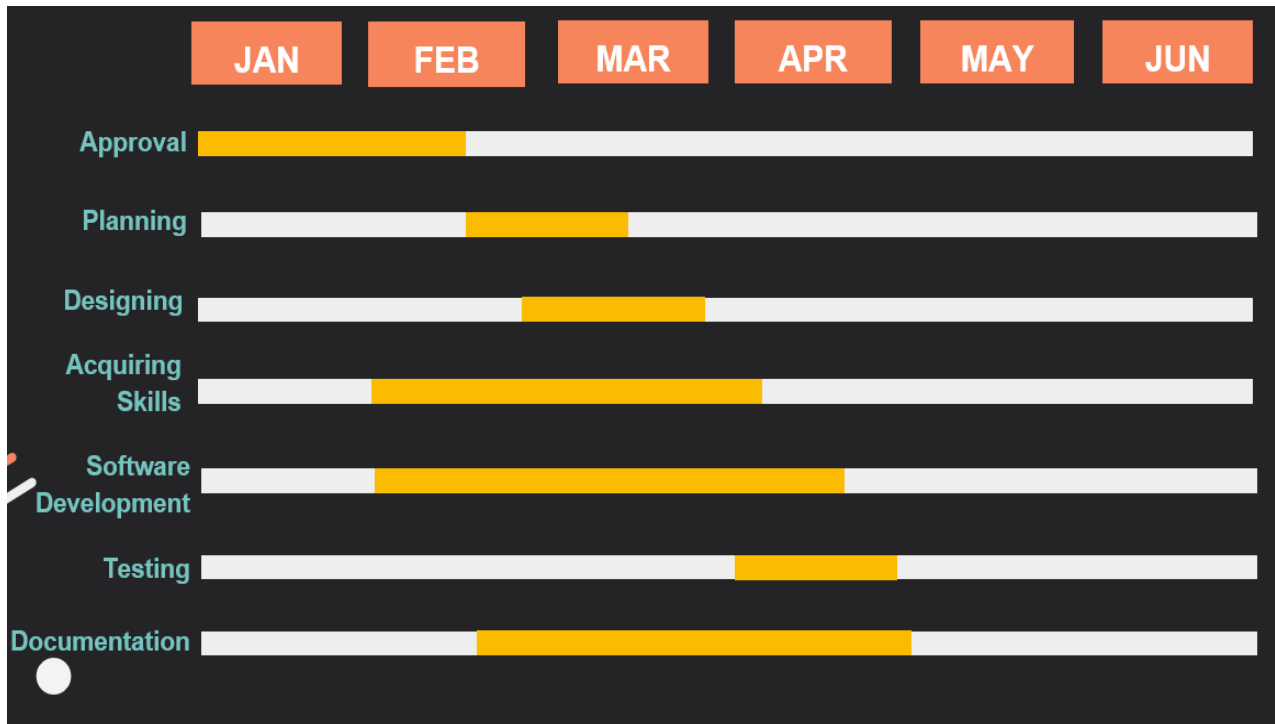
➤ **TRAINER :**

- Trainer can see the past workout details of the members any time.

➤ **MEMBER :**

- Members can measure their BMI score any time.
- Members have also the access to the different workouts and diet plans.

GANTT CHART

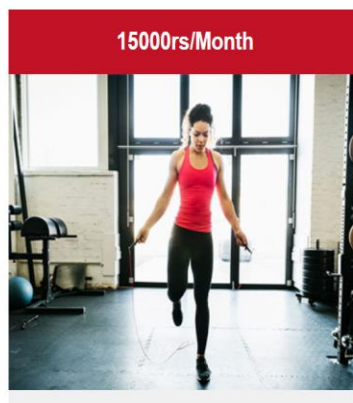


Screenshots of project



Simple Packages(Cardio + Diet plan)

This are the some planes,which include the cardio section.you don't get refund in some planes .



Login Section



Admin Login



Trainer Login



Member Login

Hello Admin

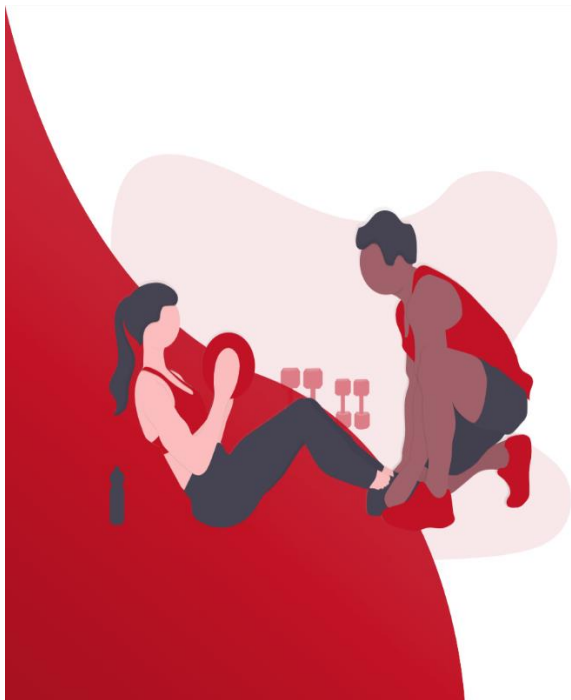
Logout

TRAINER

MEMBER

Feedbacks / Inquiries

(1)
Name:- Rishi Patel
Mail ID:- rishi@gmail.com
Contact:- 9999561011
Date Time:- 2021-04-15 13:28:38



WELCOME

 Username

 Password

LOGIN

Project Outcomes

- As the records are to be maintained on online basis it saves a lot of time.
- As the system is in online there are no chances of human errors. These can cause no errors in calculating mechanism of maintaining customer details.
- It is easy for keeping all the new entries of members, their account and transaction details.
- Member can see their BMI and different workouts and diet plans.
- Admin can edit/delete the entries of the member and trainer after login.

Future Enhancements

- The software has been developed in such a way that it can accept modifications and further changes. The software is very user friendly and future any changes can be done easily.
- Software restructuring is carried out. Software restructuring modifies source code in an effort to make it amenable to future changes. In general, restructuring does not modify the overall program architecture. It tends to focus on the design details of individual modules and on local data structure defined within modules.
- Every system should allow scope for further development or enhancement. The system can be adapted for any further development. The system is so flexible to allow any modification need for the further functioning of programs.
- Since the objectives may be brought broad in future, the system can be easily modified accordingly, as the system has been modularized. The future expansion can be done in a concise manner in order to improve the efficiently of the system.

References

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- https://www.google.com/search?q=node+js&rlz=1C1CHBF_enIN873IN873&hl=en&source=lnms&tbm=isch&sa=X&ved=2ahUKEwjbmucI183vAhWEfn0KHf55D50Q_AUoAXoECAEQAw&biw=1536&bih=722#imgrc=3FJmA_nt-6y5EM