RESEARCH ARTICLE   OPEN ACCESS

An Analysis of The Gym Management System Study

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ABSTRACT

The "Gym Management System" project aims to address the problem of a file system that does not maintain long-term, safe data records. The purpose of the gym management system is to prevent problems of this nature. All of the records are safely preserved thanks to this effort, and maintaining the records is very simple. Software is needed for this system in order to store personnel and employee data. Thus, this is a really useful system.

Keywords: **-** Gym Management System, Xampp, Windows, Mysql Server.

I. INTRODUCTION

Since we have to record every user's detail on a single register and it is very tough to keep track of all the key documents in the gym for an extended period of time, the current file system is a time-consuming operation. Using this website eliminates the need for paper use in the gym and makes the work of the staff very simple.Because each user has a unique ID and password, their information is protected and secure. With a few clicks, you may view information on the project's participants, administrators, gym equipment, and films, among many other things. It facilitates the generation of data on various gym activities. This project's primary goal is to design and create an automated system that will replace the current file system.

Due to people's growing desire to put their health and wellness first, the fitness sector has grown significantly in recent years. Because of this, there are a growing number of gyms and fitness facilities that provide a variety of services and amenities to cater to the various needs of their patrons. On the other hand, running a fitness facility or gym involves a number of operational, financial, and administrative duties that can make the job difficult and time-consuming.

A gym management system is a software program created to automate and simplify the management of fitness facilities and gyms. This software helps staff and owners handle day-to-day operations more effectively, increase member satisfaction, and stimulate business growth. A variety of features and functionalities are usually available with these systems, such as communication tools, member management, scheduling, billing and payments, access control, and reporting and analytics.

By implementing a gym management system, fitness centers can:

- Enhance member experience and engagement
- Improve operational efficiency and productivity
- Increase revenue and reduce costs
- Gain valuable insights into business performance and member behavior
- Stay competitive in a rapidly evolving market

II.EXISTING SYSTEM

All tasks in the Gym Management System are completed on paper. A computer may occasionally be used to enter records, however this simply lessens the manual labor. It isn't comparable to automation. Processes similar to deletion and updating are likewise challenging and time-consuming. If someone enters incorrect information, it will require a lot of Time to identify the mistakes.Therefore, it is helpful to comprehend the issues with the current system as this will aid in the solution's discovery.

1. MindBody: A popular gym management software used by many fitness centers.
2. ClubReady: A comprehensive gym management system with advanced features.
3. Zen Planner: A user-friendly system designed for gyms, studios, and martial arts schools.
4. Glofox: A modern gym management system with a focus on member engagement.
5. Daxko Operations: A robust system designed for large gyms and fitness centers.

III.PROPOSED SYSTEM

With the aid of this project, users will be able to sign up and log in easily, allowing them to store information straight into the database. Additionally, since each user will have their own unique ID and password, there won't be any duplicate data. The MyGym website offers the following services to save users time:

• Daily exercise
• Simple payment options
• Online registration
• Online diet plans
• Precise user data
• Individual user schedules
• Member exercise advice

The gym management is particularly secure because, as shown in figure 1, each department, including admin and user, has a unique login ID and password that must be entered to access the portal.
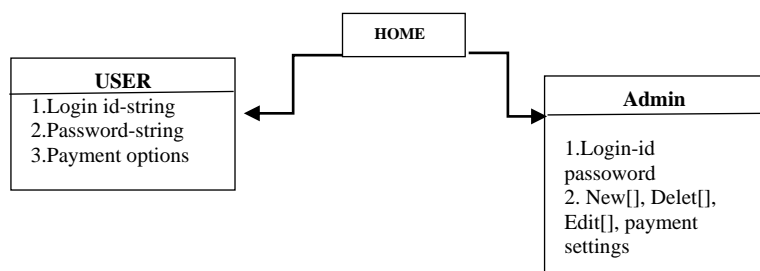
Fig. 1 Admin and User

IV.DRAWBACKS

The followings drawbacks are present here:

1) Software condition: Xampp

2) Operating System: Windows

User Friendly Interfaces

1) End-User Interface
View personal data of users
• View transaction history
• View exercise tips and videos
• View schedule of gym
• Edit his own details

Admin Interface

• View user d or update
• Make announcement regarding gym
• Add new users
• Add videos and categories for users

PRODUCTIVENESS

This portal is attached to the Xampp MySQL server, So the whole data is present in cloud storage. Firstly start the Apache and MySQL on Xampp server whenever we have to run the portal on the browser.

UPSTANDING

This website is reliable as there is proper maintenance of privacy and security. No-body can directly login on the portal without signup. They have to fill all the basic details during signup afterwards they can login using their unique id and password.

HEALTH MAINTENANCE

This online portal helps to take care of the users or members and provide the tips for gym beginners as beginners are not much aware of many things. We can contact to authorities by clicking on the contact button which is provided on the portal.

V.EXUCUTION

➢ Admin

Admin can create an account in which all the user details visible to admin. Admin can add, delete and update the user details. The information is directly visible to the admin whenever any customer creates his own account for the first time or login and admin can add videos related to exercises, make announcement regarding any information. The admin maintains the screen to attract the users by using attractive thumbnails and pictures.

➢ User

The user can create his own account by filling his basic details like email, password, name, weight, contact number and address. After signup, the user can login to his account with unique id and password and will directed to the payment page. On the payment page the user can see payment range or payment validation. After payment they can access all the videos regarding exercises, schedule of gym, announcement related to gym, view diet plans etc. The information of users is stored in database.
After payment the user can access also the other services like
• Weight loss challenges
• Nutrition advice
• Yoga
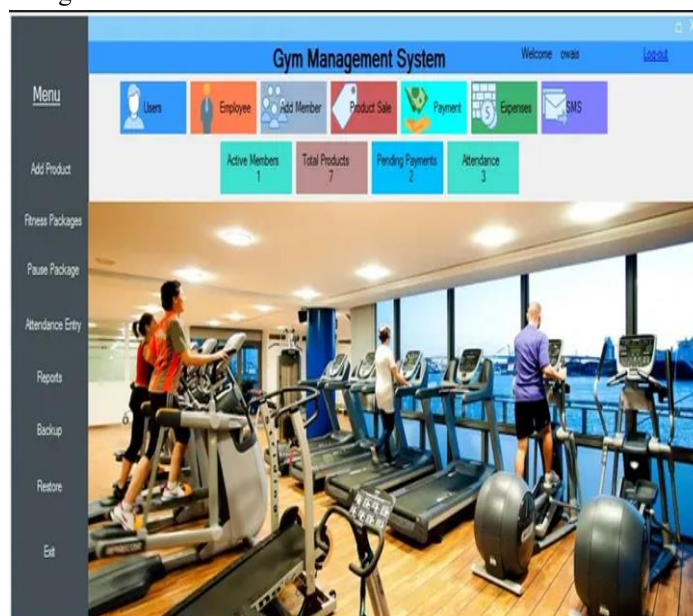
VI. INPUT DESIGN

The user authentication is necessary in every web application. It is a mechanism used for safety purpose so that no unknown user can access the data. In this application we have build a registration process in which user will create his own account by filling his basic details. During the signup process if a user is not providing his mandatory details those columns will show an error to the user, this is the type of validations that we

have used here. After creating the account the user can easily log in to the account by using his own credentials. Thumbnails are added to show the content. In this application payment gateways are used to access the different type of services. . PHP Report generator is used for the payment reports which gives all the information regarding date and time of payment. There is a cancellation validation is available to cancel the membership of the user, it needs the feedback from the user to cancel the membership.

VII. CONCLUSION

In the present time every person wants the information in online form so that they can access the information the information at anytime and anywhere. This website helps the most for gym users as they can access the information at anywhere. No paper work is needed for the admin to remember all the information of gym users. Mainly the every user always finds the privacy and security because the privacy is major concern. So the online gym management system will not reveal any personal data to any unknown user. Hence the system saves the time and cost for every user. So this system is flexible to adapt further changes.

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