Gym Management System Using Web

K Jason[1], Sam Wesley R.[2], Syed Ibrahim S[3]
[1, 2, 3] Dept of CSE
[1, 2, 3] JCT College Of Engineering And Technology, Coimbatore, Tamil Nadu, India

Abstract- *The Gym management system is mainly developed to maintain and monitor our daily exercise activities. It gives easy access and time reduced process. It maintains all work out details, fees details, enquiry details, new membership and food details for each individual separately. The admin can view the student details like fees balance, newly joined, enquiry, food habits in their mobiles using internet. It's reduces the time and loss of data while we using registers. It gives rapid development for the fitness club in order to join via web application. The Gym management system is developed by using HTML, CSS, JAVASCRIPT, SQL, PHP. It is very helpful to maintain all the student details.*

Keywords- gym management system, mobile app, healthy life, student details.

I. INTRODUCTION

We all know health is a wealth. We do not need a fancy car, big apartment, a doctor degree without a health. Being healthy is a first thing we need to keep in mind. Gym is the only thing to maintain our health in proper manner. It gives more energy and stamina to do our daily activities. It prevents our body from diseases and other health issues. So, the daily personal database should be maintained.

In order to maintain the fitness of our body as well as the gym maintenance database should be developed. It gives easy access and time reduced process. It maintains all work out details, fees details, enquiry details, new membership and food details for each individual separately. By using this technique, there is no loss of data, no need to maintain separate notes.

II. EXISTING SYSTEM

An Existing system refers to the system that is being followed till now. The gym is 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 following are the reasons why the current system should be computerized:

- To increase efficiency with reduced cost.
- To reduce the burden of paper work.
- To save time management for recording details of each and every member and employee.
- To generate required reports easily.

III. PROPOSED SYSTEM

The proposed system includes various details about all work out details, fees details, enquiry details, new membership and food details for each individual separately. By using this technique, there is no loss of data, no need to maintain separate notes. It is mainly developed to maintain and monitor our daily exercise activities. It gives easy access and time reduced process. The Gym management system is developed by using HTML, CSS, JAVASCRIPT, SQL, PHP. 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 require software, which will store data about members, employees, products, payroll, receipts of members & all transactions that occur in Gym. The user can upload and can also access any information at any time by using this web application and mobile app.

IV. MODULES

ADMINISTRATION SYSTEM:

The main purpose for creating this application is to store all the data in database and can view at anywhere, anytime. The admin can view the students details like fees balance, newly joined, enquiry, food habits in their mobiles using internet. It's reduces the time and loss of data. The Gym management system is developed by using HTML, CSS, JAVASCRIPT, SQL, PHP. It is very helpful to maintain all the student details.
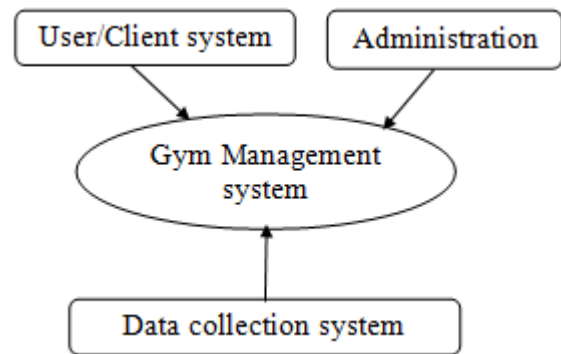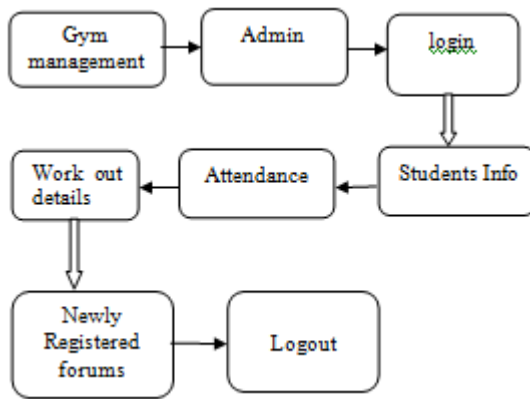
Technical input:

There will be a highly confidential login details for the admin in the first setup.

User/client system:

The entire system is developed with various aspects of database and helping hands in order for the complete client satisfaction. The user system has user login. Once the user logged to this system, the user can view the details and newly Registered forums.

V. TECHNICAL SETUP

1) User registration/sign in
2) login [valid id is must]
3) post option [help or data notification]
4) Attendance and Workout [to end]
5) Newly Registered forum
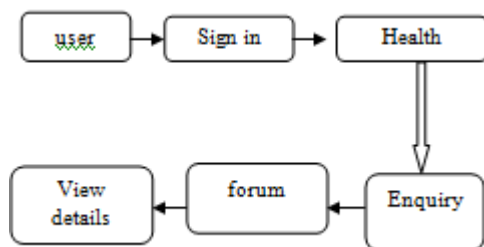
VI. SYSTEM WORKING

The implementation of the system initiates with a homepage, master login, sign in, enquiry, contact, etc.

a)Registration:

According to Merriam Webster dictionary, registration refers to the act or process of entering personal (member) information in a system of public records. In this case, the registration section of the gym management system will register any interested personal who wants to be a member by entering his/her personal details into the system.

b)Memberships Renewal:

This section will be used in the gym management system for renewing monthly payments for existing members and also updating any relevant information of the member.

c)Non-Member Transaction:

This section will be used in the gym management system for recording daily payments for those who are not members that use the fitness center from time to time occasionally.

d)Attendance:

This section will be assigned for recording daily attendance of anyone who wish to use the fitness center at any given time. Whether it be a registered member or non-member, a daily record of the time and date he/she enters the fitness center and, the time and date when he/she leaves.

e)Reports:

This section will be used in the gym management system refers to a summary records consisting of the members registrations, membership renewal, non-member's transaction and attendance.

The objectives of this study are summarized below:

- The main objective of the project is to design and develop a user friendly efficient computerized Gym Management System.
- An accurate system without any data redundancy.
- Secured data storage for Authority end.
- Secure the user ends data by providing each user's own personal credentials.
- A flexible system which can maneuver the customer-staff relationship in an effective manner.
- To provide better graphical user interface.
- Computerization can be helpful as means of saving time & money.

Accuracy:

The Smart Gym Management System provides the uses a quick response with very accurate information regarding the users etc. Any details or system in an accurate manner, as and when required.

User-Friendly:

The software Smart Gym Management System has a very user-friendly interface. Thus, the users will feel very easy to work on it. The software provides accuracy along with a pleasant interface. Make the present manual system more interactive, speedy and user friendly.

Availability:

The transaction reports of the system can be retried as and when required. Thus, there is no delay in the availability of any information, whatever needed, can be captured very quickly and easily.

Testing:

Software testing is the process of evaluation a software item to detect differences between given input and expected output. Also, to assess the feature of a software item. Testing assess the Quality of the product. The common view of testing held by the user is process of executing a program with explicit intension of handling errors in the system. The application which has been developed has to be tested to prove its validity.

VII. ACKNOWLEDGEMENT

VIII. FUTURE SCOPE

The updates in a certain period could help the user to hold the system. Though we have enough network connectivity offline mode can also be used to save data. Trustworthy and surety is the major concern for the user and here we offer those. GPS system has enough accuracy to finding the exact locations, this will useful while finding areas. Automated Fitness suggestion by enquiring the condition of the health.

- Real time Claim Processing Bot.
- Video conversation option for trainers and members.
- Online payment through face recognition.

The updates in a certain period could help the user to hold the system. We have enough network connectivity offline mode can also be used to save data. Offline mobile application for this Gym management system will be able to develop that will give more useful at the time of access anywhere.

IX. CONCLUSION

The main purpose for creating this application is to store all the data in database and can view at anywhere, anytime. The admin can view the students details like fees balance, newly joined, enquiry, food habits in their mobiles using internet. The is successfully designed and developed to fulfilling the necessary requirements and the system is very much user friendly, form level validation and field level validation are performing very efficiently.

The old manual system was suffering from a series of drawbacks. It's reduces the time and loss of data. Burden of manual work is reduced as whenever transaction takes place, there is a no need to record it in many places manually. The present project has been developed to meet the aspirations indicated in the modern age. It is very helpful to maintain all the student details by mobile app and web app.

REFERENCES

[1] Jyoti Yadav, Monika Sharma, "A Review of K-Means" in International Journal of Engineering Trends and Technology(IJETT)-Volume 4 Issue 7-July 2013.
[2] L. Morgado, J. Varajão, D. Coelho, C. Rodrigues, C. Sancin, V. Castello, "The Attributes and Advantages of

Virtual Worlds for Real World Training," The Journal of Virtual Worlds and Education, 1 (1), 2010.

[3] Imam Khanghani Far, SvetlanaNikitina, MacrosBaze, "Fitness Applications for Home-based Training" in Pervasive Computing, IEEE, 2015.

[4] Suzie Dale, SueGodinet, NatalieKears and Dr.AdrainField,"The Future Of Fitness".

[5] N. L. Atkinson and R. S. Gold, "The promise and challenge of eHealthinterventions," American Journal of HealthBehavior, vol. 26, pp. 494–503, 2002.

[6] "A Project Paper on Smart Gym Management System" by Monir Ahmed &JannatunNayeem in 2016.

[7] Narangale S. M.,G. N. Shinde, "Recent Advance in Audio Video Multimedia Communication Technology" inInternational Journal of Computer Science and Information Technologies, Vol. 5 (6) , 2014, 7075-7077.

[8] O'Brien James A. and Marakas George M. 2008. Management Information Systems. Ninth Edition. McGraw-Hill.2010. Introduction to Information Systems. Fifteenth Edition. McGraw-Hill.

[9] Connolly Thomas M. and Begg Carolyn E. 2005. Database Systems. Fourth Edition. Addison Wesley.

[10] Dvorski Dalibor D. 2007. Installing, Configuring and Developing with XAMPP. Skills Canada, Ontario.

[11] Pressman Roger S. 2001. Software Engineering: A practitioner's approach. Fifth Edition. McGraw-Hill International Edition.

[12] Tanenbaum Andrew S. and Wetherall David J. 2013. Computer Networks. Fifth Edition. Pearson.

[13] Chaffey Dave. 2011. E-Business and E-Commerce Management. Fifth Edition. Financial Times.

[14] Forouzan Behrouz A. 2007. Data Communications and Networking. Fourth Edition. McGraw-Hil.

[15] Hox Joop J. and Boeije Hennie R. 2009. Data Collection, Primary vs. Secondary. Utrecht University, The Netherlands.

[16] http://creately.com/