

FITNESS CLUB SYSTEM

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ABSTRACT

As we know computerization can be helpful as means of saving time and money, we designed a system by using SQL for database backend and html for frontend which will provide a better graphical user interface. The Fitness club system can handle all the required and minute details simply and correct info security consequently to the user. The system will check validity of information provided by user, Stores information of members according to their id, and Generate reports for different id. The projected system is very secured, as a result of for login the system it needs the username and watchword that is completely different for every department thus providing each department a special read of the member data. It additionally provides wide selection of sure criteria in every window the shopper is functioning for higher and faster answer. It maintains report for all criteria. Manages member data individually for all exercise and worker data individually for considering the wants of gymnasium, stores data regarding regular machines. This system can run on any windows operating system

Keyword: - Exercise prescription, welfare, fitness, security, members.

1. INTRODUNCTION

This project aims to automate gym and fitness admission process as the admission process in gyms and selecting a trainer is difficult. Sometimes it is difficult to get a desired slot timing. Being healthy is the first thing to be kept in mind because most of the time our attitude depends on how we feel. Being healthy gives us the energy to work and do things. It is hard to get admission in health club when slots are full. This health club management system will help to overcome such problems by booking the desired slot online and pay fees by electronic money transfer. In this fitness club system, there is 3 entity namely, Admin, Member, and Trainer. Admin can login using credentials. Admin can manage packages by adding cost, discount and deleting old packages. Admin can manage member details by adding, updating and deleting. Admin can view the package details of an individual member. Admin can also view the member's attendance taken by the trainer. Members can login using credentials. They can view their profile and list of trainers. They can also view the package and payment details. Members can give feedback on their trainers. They can make payments via card details. A trainer can log in using credentials. A trainer can set their profile. A trainer can take member's attendance daily, they can also change their password in case of security.

1.1 Problem Definition:

Today's, small fitness club system are facing lots of problems as mentioned here :
It becomes very difficult to retrieve or find the particular information. E.g.: To find out about members fees details, the user has to go through various registers, these results in waste age of time. its is manual and time consuming .

1.2 Proposed System:

This project aims to automate gym and fitness admission process as the admission process in gyms and selecting a trainer is difficult. Sometimes it is difficult to get a desired slot timing. Being healthy is the first thing to be kept in mind because most of the time our attitude depends on how we feel. Being healthy gives us the energy to work and do things. It is hard to get admission in health club when slots are full. This health club management system will help to overcome such problems by booking the desired slot online and pay fees by electronic money transfer. In this fitness club system, there is 3 entity namely, Admin, Member, and Trainer. Admin can login using credentials. Admin can manage packages by adding cost, discount and deleting old packages. Admin can manage member details by adding, updating and deleting. Admin can view the package details of an individual member. Admin can also view the member's attendance taken by the trainer. Members can login using credentials. They can view their profile and list of trainers. They can also view the package and payment details. Members can give feedback on their trainers. They can make payments via card details. A trainer can log in using credentials. A trainer can set their profile. A trainer can take member's attendance daily, they can also change their password in case of security.

2. LITRATURE SURVEY

2.1 Existing algorithm/program

In the Fitness Club system, if we take the present method and associate with the proposed it is far behind. Every single work in the existing is manual and done on paper. There might be a computer used somewhere for the work but it is not doing exactly it is supposed which is decreasing the physical work. Entering everything manual to the computer by creating a file is not exactly what we are talking about in automation. The existing structure requires a lot of manual work which outcomes in taking more time than it should. The processes like updating and matching data are also done manually in the existing structure that is not automated and again time-consuming process. If anybody types wrong details it will take so much time to find and Humans are prone to errors and can mistakes often without it has some integral programs which can take check the input and save it from inaccuracy. Its constantly useful to read and recognize the problems of the existing system, which will help in finding out the supplies for the new

2.2 Disadvantages of existing system:

- Data Security is very difficult.
- Files based system can be misleading.
- Difficulty to gather information files.
- Manual Searching and managing records are difficult.
- Admin cannot maintain records efficiently.
- Chances of errors are high.

2.3 Proposed approach and its advantages over existing system:

- User friendly
- Easy Storage of data.
- More efficient.
- Requires less effort and time.
- The system that we are developing is entirely different from the existing ones. Unlike other systems which focus only on a particular set of people, our system is focused on proper working .

3. DESIGN

3.1 User Interface Design

The user interface is designed using HTML and Javascript. The complete website focuses more on efficiency in understanding the Voice recognition than the look and feel of the system as the system is primarily developed for the people to whom the look and feel won't be of that primary importance as the efficiency of understanding the prompting would be.

3.2 Database Design

Our system maintains a database for user validation and storing all information of the user. .

3.3 System Design

One of the most critical decisions to be made was the LANGUAGE. The project deals with user application so it required a language that provides all the required features as well as it should be easy to use. So finally we arrived at conclusion to HTML as implementation language under net beans environment.

4. CONCLUSIONS

Nowadays every person willing to do gym in online so this website helps them the most. In this pandemic situation some people unable to go outside because of lockdown so using this platform users can get benefits and it was secure and safe compared to outside situations. The shopping portal also useful for those who need to buy an equipment and those items are available at cheap rates so everyone can afford them easily. No paperwork need and do not remember all the payments and person, this all can do by the system using a database and the gymnasium management is performed very well to satisfy all the required things we want in gym.

In the gym outside mainly require proper equipment, maintenance and variability in structure and no need lots of crowding these all user need but when it comes to online user will only prefer particularly and maintain the durability and here prime concern for users is security so online gym will not reveal his data and requirements provide very well to users. The payment can be modified according to different rules and guidelines by admin as required and admin may also inform users about the changes in rules by putting up notifications in the system. Hence the system saves time, effort, and cost. Every project need to allow application development for further enhancement and the project or system is so flexible to allow any changes need for the future development of a program.

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6. REFERENCES

- [1] OPEN SOURCE DEVELOPMENT WITH LAMP USING LINUX, APACHE, MYSQL, PERL, AND PHP by JAMES LEE, BRENT WARE, ADDISON-WESLEY
- [2] DATABASE SYSTEMS: MODELS, LANGUAGES, DESIGN AND APPLICATION PROGRAMMING by RAMEZ ELMASRI, SHAMKANT B. NAVATHE, PEARSON
- [3] <https://www.tutorialrepublic.com/php-tutorial/phpmysql-login-system.php>
- [4] WEB ENABLED COMMERCIAL APPLICATION DEVELOPMENT USING HTML, DHTML, JAVASCRIPT, DHTML AND PHP by IVAN BAYROSS, BPB PUBLICATIONS
- [5] HTML 5 COVERS CSS3, JAVASCRIPT, XML, XHTML, AJAX by KOGENT LEARNING, DREAMTECH PRESS
- [6] SOFTWARE ENGINEERING FUNDAMENTALS by ALI BEHFOROZ AND FREDERICKS J. HUDSON, OXFORD UNIVERSITY PRESS
- [7] Learning PHP, MySQL & JavaScript 5e: With jQuery, CSS & HTML5 (Learning PHP, MySQL, JavaScript, and CSS & HTML5)
- [8] Skarnulis, Leanna. 2005." Top 20 Mistakes Beginners Make". Retrieved from: <http://www.webmd.com/fitness-exercise/top-20-fitness-mistakes-beginners-make>.
- [9] Gaw, S., & Felten, E. W. (2006). Password management strategies for online accounts. Proceedings of the Second Symposium on Usable Privacy and Security - SOUPS '06, 44
- [10] X. Ouyang, "Poze: A website to enhance the at-home workout experience," Princeton University, 2015
- [11] Mikalajunaite E. 500 m people will be using healthcare mobile applications in 2015: Global Mobile Health Market Report 2010–2015
- [12] P. C. Hallal, L. B. Andersen, F. C. Bull, R. Guthold, W. Haskell, and U. Ekelund, "Global physical activity levels: surveillance progress, pitfalls, and prospects," *The Lancet*, vol. 380, no. 9838, pp. 247 – 257, 2012