

Online Management System for Gymnasium

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Abstract – Online Gymnasium Management is a beneficial website for people as well as businesses. Gym management motivates users to engage with a variety or appraise offers to spend their money sensibly. In this pandemic situation, people are willing to do gym workouts by seeing online portals. In order to provide an online gym, this particular website works on it and moreover here people can find shopping of gym types of equipment. We designed a website by using MySQL for the database backend. The gymnasium Management system can handle all the required and tiny details simply and accurate info security consequently to the users. Once login user can see the payment option after billing user can unlock the videos access and shopping of gym equipment is free for all users. This project determination effort on MySQL and full-stack used for gymnasium management [1]

Key Words: Motivational Session, Body Workouts, fitness, gym equipment, member, shopping

1. INTRODUCTION

The present scenario is time-consuming and also it is very costly because it involves a lot were many limitations in this system. The organization is not capable. Also, there is a problem with paperwork as all things are kept in a single register. Due to this, the time for recording details of every member and employee is large. The report generation is not so easy. The most problem of the project is to style and change a user-friendly system that is simple to use and economical electronic system. The matter must develop an associate correct and versatile system which will eliminate knowledge redundancy, additionally to produce higher graphical computer program. The website should also take safe of the security of the record data by using login & PIN.

The information about the many things confined in the project are like members, admin, equipment of gym and videos can catch by just a few clicks unlike the paper documents required the reading for such data. It helps in generating the several groups according to their preference of selecting or if they want a particular video. It helps easy to generate the information of various sessions performed in the gym are like paying the amount. It can be kept and later calculated and those who did not pay the fee they cannot get the sessions. It also helps the users in dropping the carbon footprint as the amount of paper used in the company decreases. This also helps in keeping the regular width of the supervision system as if there is a case where the

administration involves more than one person to manage the gym.

1.1 EXISTING SYSTEM

In the gym management 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. It is constantly useful to read and recognize the problems of the existing system, which will help in finding out the supplies for the new.

1.2 Proposed System

Gym software will help the user to log in and signup in a user-friendly way and provides an easy to the user interface after that user can directly store information in the database. Gymnasium management saves time by providing some procedures.

- I. It offers access to different sessions and shopping for the users
- II. Exercise tips are very helpful to the members
To follow a particular set of exercise of Body workouts.
- III. Reports are generated to identify members whose selected particular payment
- IV. Gymnasium management is easy to use and flexible for major and minor changes to make in the future.

- V. Manages user data separately for all sessions and shopping data individually for considering the wants of the gymnasium.
- VI. The gymnasium management is much protected, as a result of for login to the portal it needs the username and password that is completely different for every department like admin and user also and we have fig 1 here.

2.3 Reliability

The website is maintaining privacy and do not merge with other details. No one cannot log in without their unique id and must they need to signup if their details does not validate and here a fig 2 is attached and it is home page

2.4 Flexibility

It will run on any website but user must and should need to accept the policy of the portal and it is very attractive to users to visit.

2.5 Health and Care

It was an online portal so there is no much harm and moreover there is contact option to interact with authorities. It takes all care of users or members and here some tips provided before starting the training for safety purpose because beginners cannot do directly.

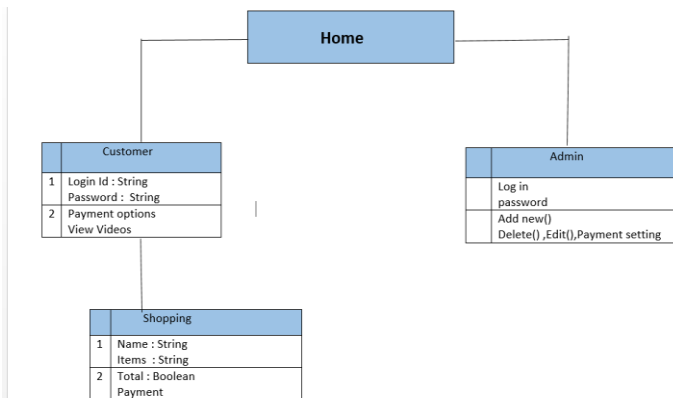


Fig 1: Flow of Admin and user

2. Limitations

- 1) Software Requirements: Xampp
- 2) Operating Systems: Windows

2.1: Screens

1) End-user

- View personal details
- View payment details
- View videos of the session
- Edit his own details

2) Admin

- View user details or update
- Add videos and categories
- Add thumbnail images
- Add new payment details
- Edit his details or update

2.2: Productivity

Subsequently the portal is attached to the Xampp MySQL server so all the data is in cloud storage, so we need to start the server when we need to run the portal on the browser.



Fig -2: Enroll and sign in

3. Execution

3.1 Admin

Admin and user can create an account for user and Admin can have all access of classes. Admin can add, edit and delete the user details and Reports are visible directly when any customer create his own account or his payment details of shopping, and admin can add thumbnail images and add videos of gym training and here shopping is available for all customers or users after payments user can get mail or popup message to him and admin can maintain screens very well here in order attract users using images and thumbnails

3.2 User

User can create his account by providing his email, password, date of birth, contact number, and address or when user contact admin he can also create for the user account and after signup user will be directed to the payment page in this he can see payments available for ex: Monthly, Yearly.

After payment, he can access all training videos of a gym and motivational videos and if he wants user can buy the equipment of gym and mainly here user get more benefits. Whenever a member needs to buy an equipment or a thing in online he will not get any trail when compared to offline but here what will happen after his session videos over, he will buy the same equipment in online and customer are getting some type of demo of that item

1. Body workout Session
2. Motivational Session
3. Shopping

When user done with his transaction he can saw all session videos. In Body workout session user can get all the videos of gym training, in this he get how he can do pushups and drills. Whenever he face any issues he can mail to admin or owner and he can get all motivational videos to groom his self

4. Input Design

User authentication is very common in current web applications. It is a safety mechanism that is used to restrict unknown access to users and here build a registration process that allows users to create a new account by filling out an email, password, and contact details. After creating the table, we need create a PHP code to connect to the MySQL database server and in PHP xampp server need to start MySQL and apache.

When the user ready to signup he needs to give his basic details and after that, he can log in easily. If someone not providing his details those columns shows an error to users or if the username entered by the user is already taken by another user, these are the validations used here mainly because these situations occur in online every time when a user creates his account. In this online payment gateways add for purchasing gym equipment and choosing online packages of gym training, to do all this admin payment configuration admin integrated with PHP applications by minutes using extensions or manually and these all are find in built-in PHP libraries and use packages to develop. Thumbnails are inserted here for videos of gym this will help to user to know a quick view and in websites using those thumbnails image to see content. User can do shopping also here after his log in successfully

In the categories there are three sessions in those two are for gym training. Use these two sessions user will pumped and continually user get every week some videos on portal these all upload by admin in the website. When user need to see those video in future so he can add all those videos into user play list from play list he can see all. If there any errors occur user can contact with admin regarding his issue and in his profile section there is cancellation available to cancel membership, here validations used for cancellation and user need to give feedback when he cancel membership. It

eventually create a unique id or case id for that particular event to maintain traffic in data, in this data will not merge. In the reports section admin get date, purchase details, paid amount, payment method to get all this here PHP Report Generator is used and it will give rapid values in quick time by using data.

5. Output and Advantages

Output will be produced after successful payment done and whenever shopping completed. It reduces the time and cost for users and these are the major uses for members and which meets the desires of the user and presents the result clearly to them. Mainly here user results are processed and communicated to him in his profile section.

It is more important and direct source information to the user and user can take decision to himself to cancel his membership in his profile section and it is more reasonable when compare to offline and we some advantages here to remember

1. Easy to understand and use
2. More private when compare to offline
3. Less cost and reduce time
4. Customized plans
5. Flexibility in Schedule
6. Updates available for users

Here some of images available with numbering fig 3, fig 4.

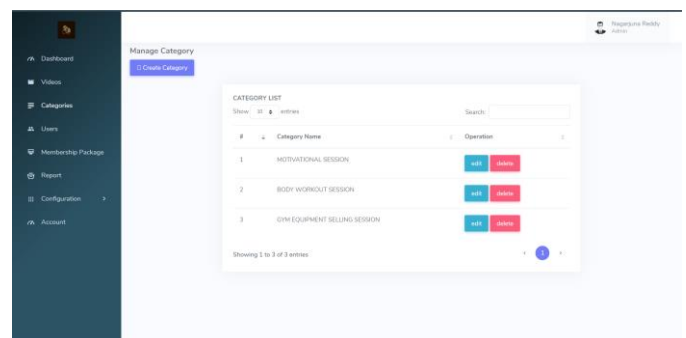
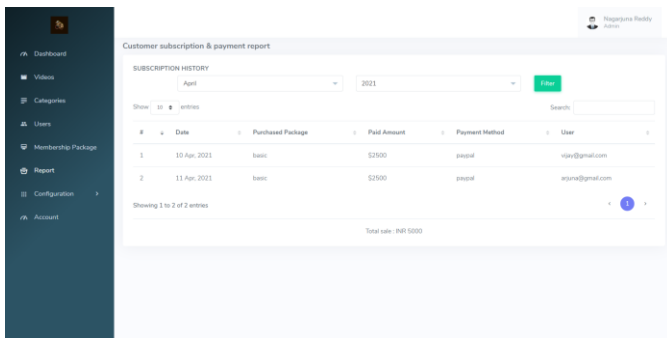


Fig 3: Category Lists

In this admin can add new categories and user have access only readable here. If future any reasonable lists or categories are there available admin can add using the create category button. Basically in this category admin can add more videos in every session but he cannot do because if admin can add all user cannot get which video he need to see so by week after week these all updated for the users. This procedure clearly helpful for user to do workouts



ID	Date	Purchased Package	Paid Amount	Payment Method	User
1	10 Apr 2021	Basic	\$1500	credit	vish@gmail.com
2	11 Apr 2021	Basic	\$1500	credit	vish@gmail.com

Total sale: INR 3000

Fig 4: Reports of users

Whenever anyone creates or update his details like

Email and purchases admin can view all this. It gives reports admin frequently. If payment done at particular date admin needs to see so admin can view by using search button in that section and can login easily by using credentials but user it will take time because his data need to retrieve from the backend database reports

6. 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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