A PROJECT ON

"GYM MANAGEMENT SYSTEM "

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Course Title: Software Development Project

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Submitted To-

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OBJECTIVES

- The main objective of the project is to develop software that facilitates the data storage, data maintenance and its retrieval for the gym in an igneous way.

- To store the record of the customers, the staff that has the privileges to access, modify and delete any record and finally the service, gym provides to its customers.

- Also, only the staff has the privilege to access any database and make the required changes, if necessary.

- To develop easy-to-use software which handles the customer-staff relationship in an effective manner.

- To develop a user friendly system that requires minimal user training. Most of features and function are similar to those on any windows platform.

INTRODUCTION

Our Gym Management Software is a complete gym and recreation facility system program which looks after all of your members, memberships and activities. It is designed for gyms, recreation centers, and health clubs.

This system structure is become very simple to understand because of Data Flow Diagram provided by us. Context level Diagram and Some chart are also available in this case study. The demo of using the software such as customer detail form, data base of software is also provided by us.

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        - ✓ Technical Feasibility
        - ✓ Economic Feasibility
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SYSTEM ANALYSIS

INTRODUCTION TO SYSTEM ANALYSIS

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers.
System analysis or study is an important phase of any system development process. The system is studied to the minutest detail and analyzed. The system analyst plays the role of the interrogator and dwells deep into the working of the present system. The system is viewed as a whole and the input to the system are identified. The outputs from the organizations are traced to the various processes. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analyzing and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action. A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solutions are given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that endsas soon as the user is satisfied with proposal. Preliminary study is the process of gatherin gand interpreting facts, using the information for further studies on the system. Preliminary study is problem solving activity that requires intensive communication between the system users and system developers. It does various feasibility studies. In these studies a rough figure of the system activities can be obtained, from which the decision about the strategies to be followed for effective system study and analysis can be taken.

FEASIBILITY STUDY

Feasibility study is made to see if the project on completion will serve the purpose of the
organization for the amount of work, effort and the time that spend on it. Feasibility study lets the developer foresee the future of the project and the usefulness. A feasibility study of a system proposal is according to its workability, which is the impact on the organization, ability to meet their user needs and effective use of resources. Thus when a new application is proposed it normally goes through a feasibility study .The document provide the feasibility of the project that is being designed and lists various areas that were considered very carefully during the feasibility study of this project such as Technical, Economic and Operational feasibilities. The following are its features:

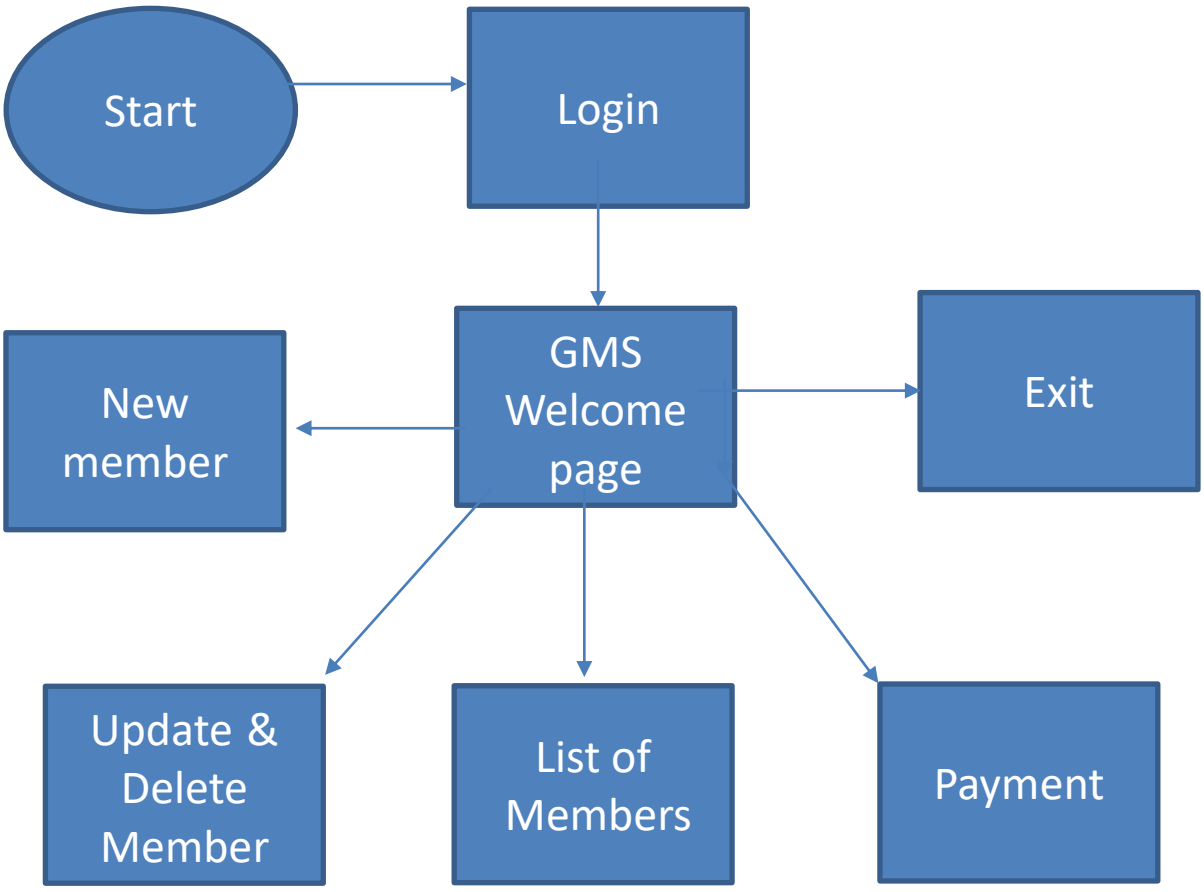
TECHNICAL FEASIBILITY

The system must be evaluated from the technical point of view first. The assessment of this feasibility must be based on an outline design of the system requirement in the terms of input, output, programs and procedures. Having identified an outline system, the investigation must go on to suggest the type of equipment, required method developing the system, of running the system once it has been designed.
Technical Gyms raised during the investigation are:
Does the existing technology sufficient for the suggested one?
Can the system expand if developed?
The project should be developed such that the necessary functions and performance are achieved within the constraints. The project is developed within latest technology. Through the technology may become obsolete after some period of time, due to the fact that never version of same software supports older versions, the system may still be used. So there are minimal constraints involved with this project. The system has been developed using PHP
the project is technically feasible for development.

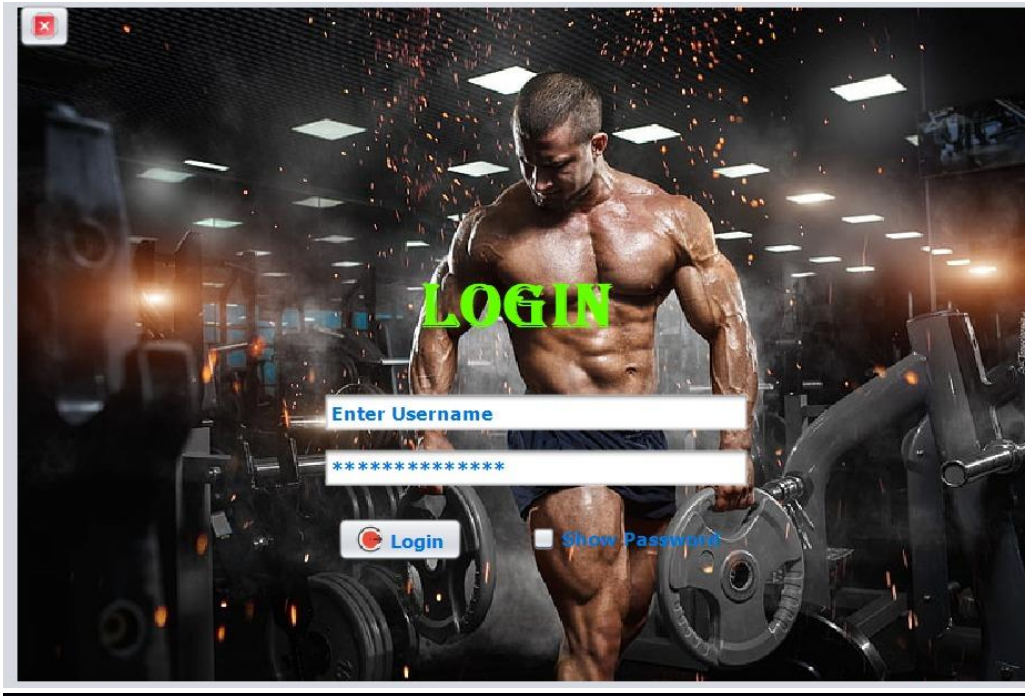
ECONOMIC FEASIBILITY

The developing system must be justified by cost and benefit. Criteria to ensure that effort is concentrated on project, which will give best, return at the earliest. One of the factors, which affect the development of a new system, is the cost it would require.
The following are some of the important financial questions asked during preliminary investigation:
The costs conduct a full system investigation.
The cost of the hardware and software.
The benefits in the form of reduced costs or fewer costly errors.
Since the system is developed as part of project work, there is no manual cost to spend for the proposed system..

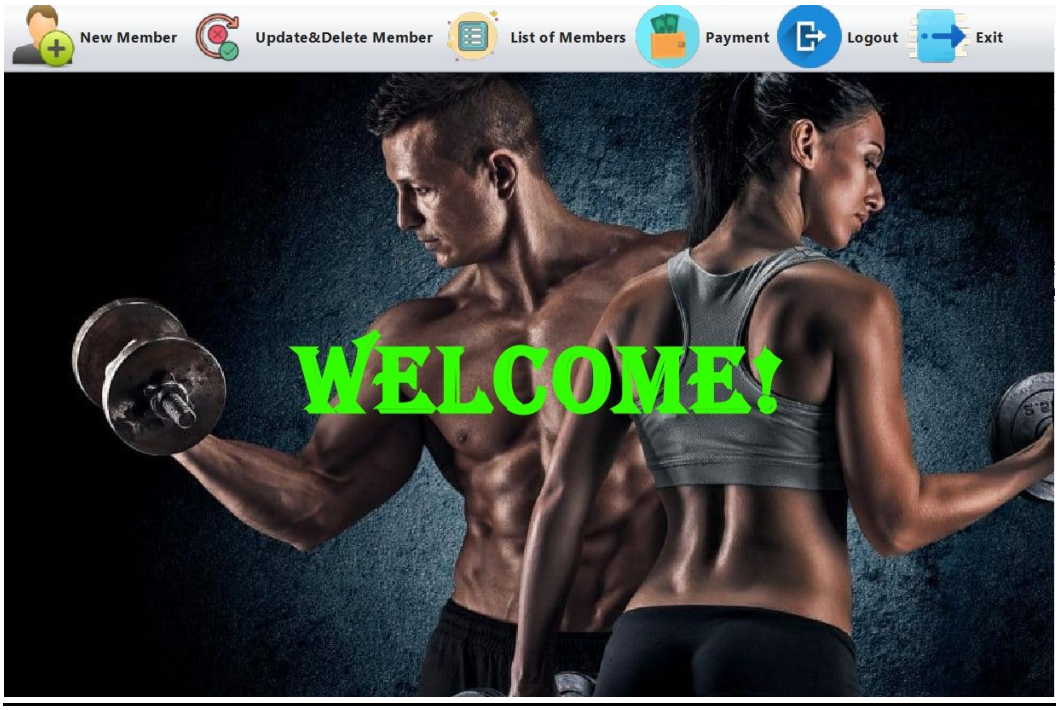
FLOWCHART



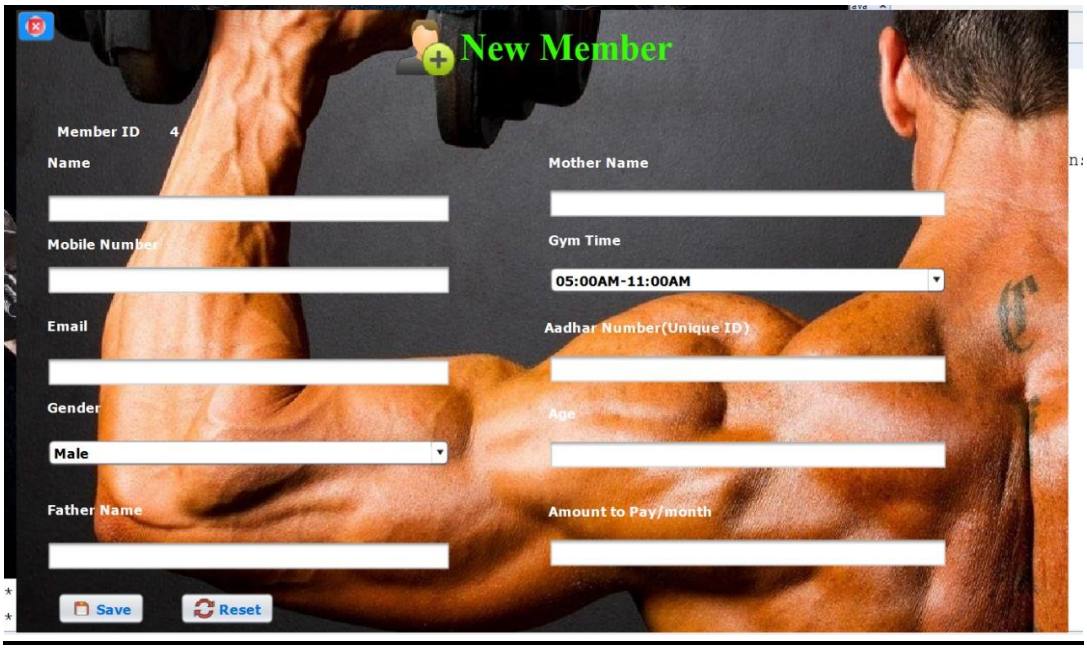
Log In



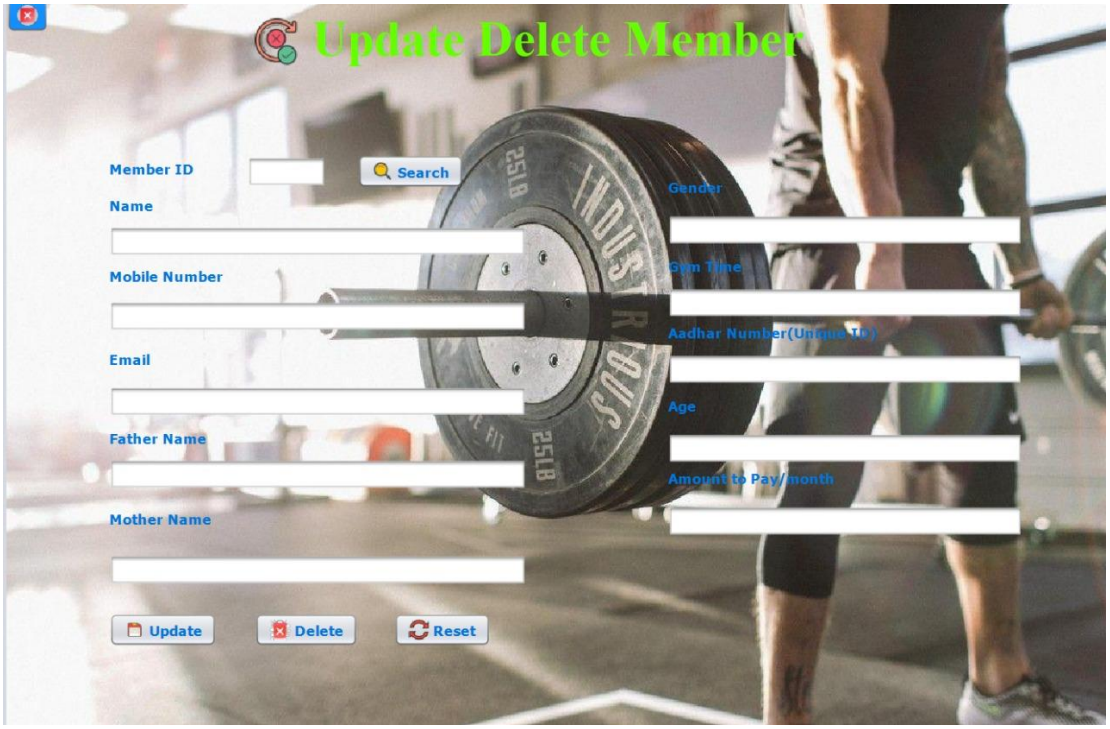
Home Page



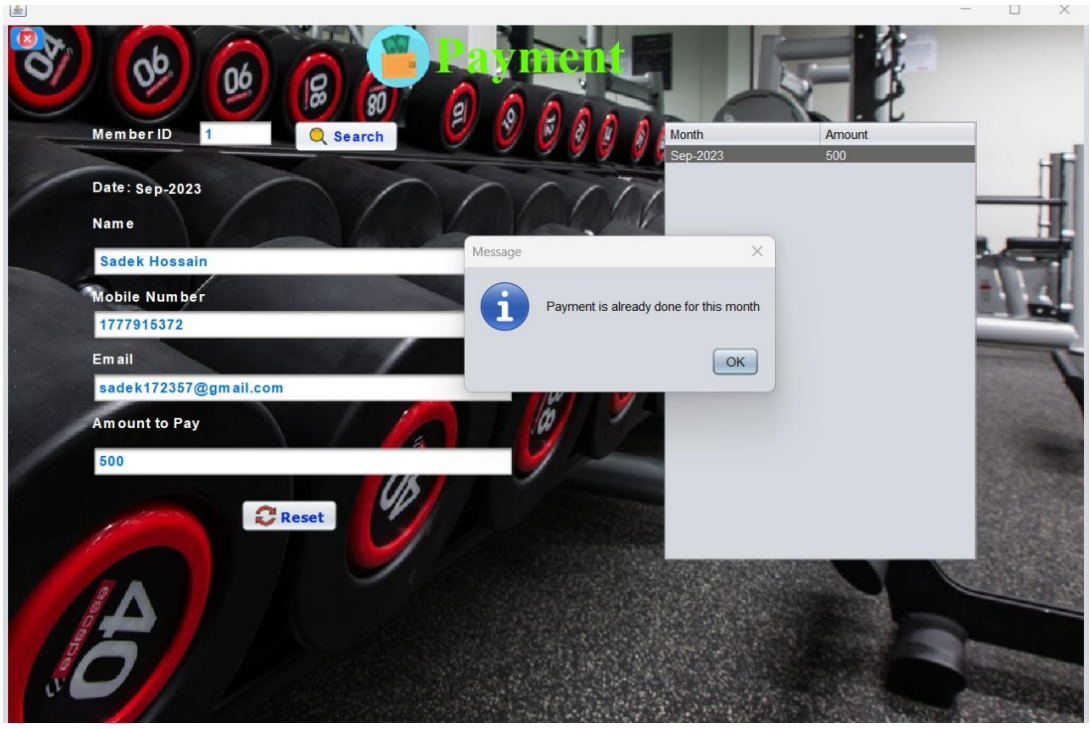
New Member:



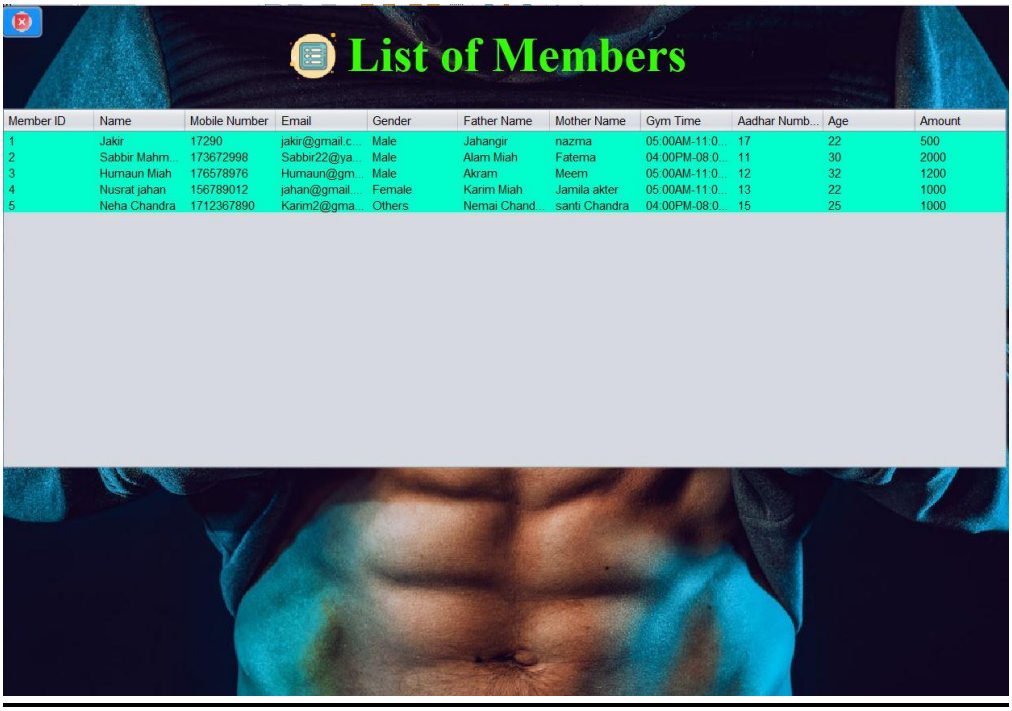
Delete and Update Member



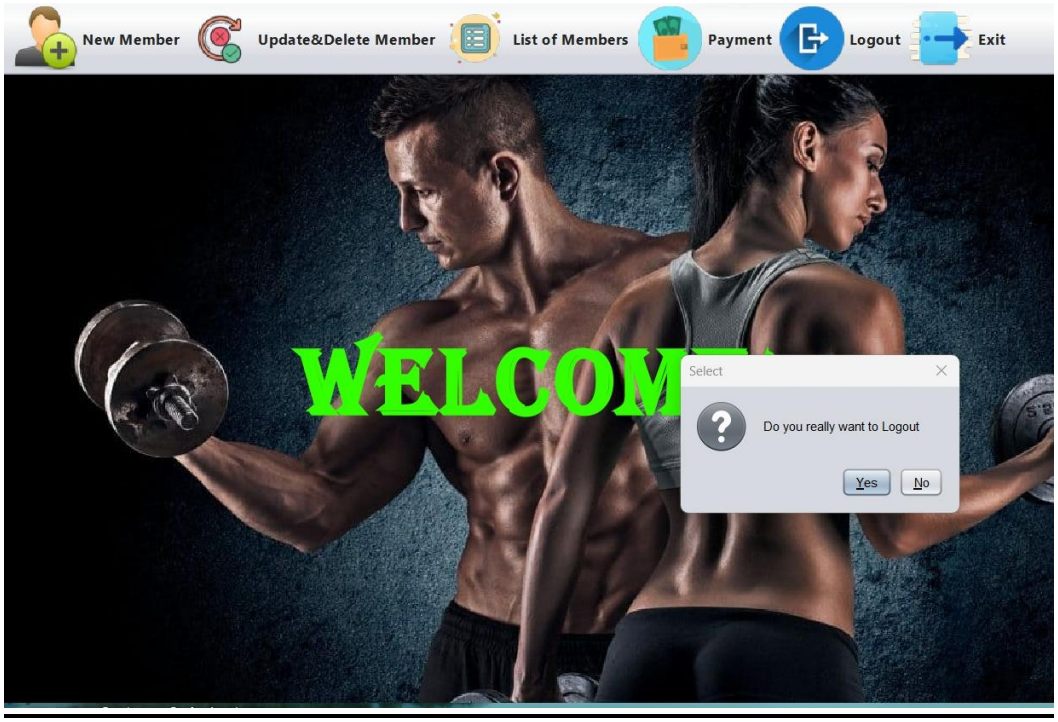
Payment



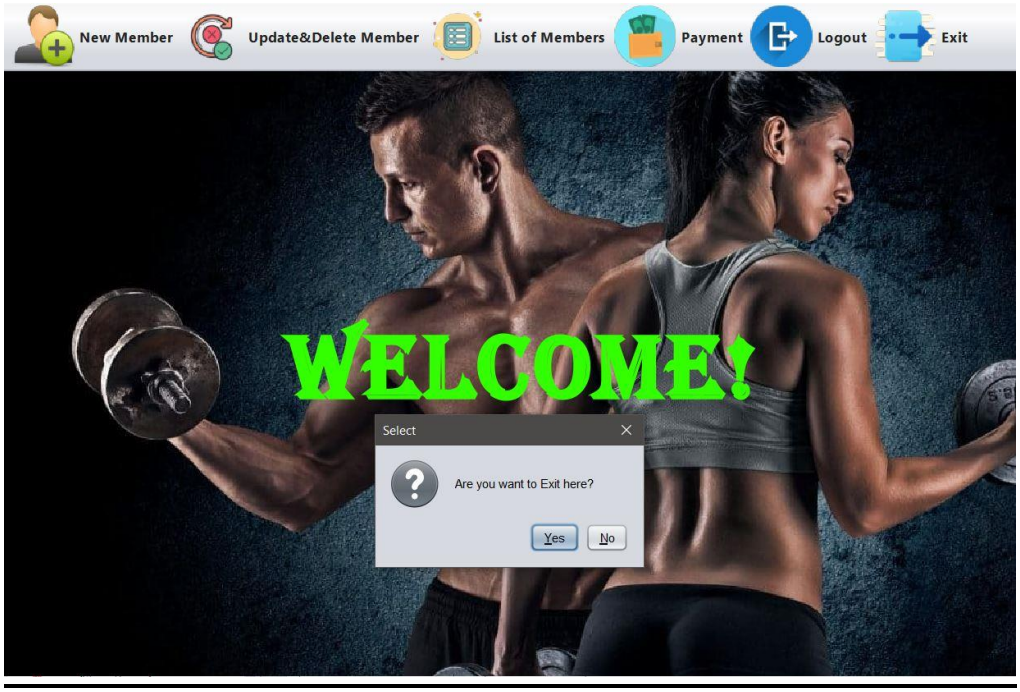
List of Member:



Log out


New Member
Update&Delete Member
List of Members
Payment
Logout
Exit
WELCOM
Select
Do you really want to Logout
Yes
No

Exit:


New Member
Update&Delete Member
List of Members
Payment
Logout
Exit
WELCOME!
Select
Are you want to Exit here?
Yes
No

System Implementation

- In our system,admin can login to system
- Admin will add new members.
- Admin will update and Delete members.
- Admin will see List of members.
- Admin will manage fee per month.
- Admin will logout

Testing

- Entered invalid username and valid password.
- Entered valid username and invalid password.
- Entered invalid username and invalid password.
- After Entering valid username and password ,I logged in the system with success.
- I add member id, name, Mobile number, Email,Gender,Father name,Mother name,Gym time,Unique ID,Age, amount to pay per month and I can save it or reset it.

Abstract

Gym Management System is an online service that can be setup for your gym to help manage classes, memberships, receive payments (merchant and cash), keep track with detailed statistics, customer management, surveys and it even has an online store so you can sell products to your customers.
Its simple, it's effective and it's the way customers want their gym!
Here is our feature list which is continually growing:

- Manage customers
- Manage customer health question forms
- Manage customer surveys
- Screenshot of Customer Options
- Complete site statistics (graphs) membership lists
- Screenshot of User Statistics graphs
- Complete payment statistics with downloadable content to excel and csv file format.
- Export functions; to download customer details to create mailing lists, databases…
- Manage your trainers and class schedules.
- Class management
- Create recurring classes and class types
- Create multiple locations and trainers
- Create plans & passes
- Manage customer barcode/RFID/membership cards for customers.
- Customers can see their own statistics and payment history. Complete
- Online Store for your products, membership plans & passes.
- Product and Component based
- Creating & Changing Gyms at ease
- Query Gym List to any depth
- Reporting & Charting in more comprehensive way
- User Accounts to control the access and maintain security
- Simple Status & Resolutions
- Multi-level Priorities & Severities.
- Targets & Milestones for guiding the programmers
- Attachments & Additional Comments for more information
- Robust database back-end

LIMITATION OF EXISTING SYSTEM:

- The existing System such as Gym Master is not as much as user (Customer) friendly as compare to our Proposed System.
- The communication with members is not well in Existing System because all the data is handled by Gym manager.
- Customers don't get full accessibility to Gym center and all permissions are allowed only for Gym manager.
- Today's System cannot take effort out of finances and debt collection.
- Today's systems are time taking software and cannot be easily install in Operating System like Linux , Vista , Mc-OS, and Novel. And also need high configuration of PC. Normal PC's cannot install in it.
- Lot of memory space is required for installing existing software.
- Existing Gym management software cannot perform all operation expected by manager such as keeping record of machinery maintenance and service data.

☺ Thanks ☺