

GYM MANAGEMENT SYSTEM

INTRODUCTION

In many Gyms, the payment receipts are in paper format. So it is very difficult for both gym members to keep all the paper receipts safely and to gym trainer to keep reminding for the fee receipts. Sometimes it creates a trouble when members lost their receipts. The other problem that can be faced by a gym owner is that if he/she wants to inform any message related to working or nonworking days of gym, manually sending message become difficult. If there is online application available these problems can be solved.

So, I am developing an android or web application to overcome some of these issues. So this project can be helpful for both gym owner as well as for gym members. In this application all receipts are store in a digital format, so there are no issues of loosing any confidential receipts. This application will also notify the user (gym members) about their fees and also notifies the gym owner about the payment clearence. This application in future can be elaborated by providing supplement store , diet information, personal training etc.

OBJECTIVES

The objective of this system is to digitalize and create an automated system. The system will perform the task like **adding the new member** to the gym, **removing the member** or **keeping the payments records** and other stuff required in managing the gym properly.

- Automating the existing system.
- Reducing time taken to enter client and staff data.
- To centralize the management of the gym and fitness center.
- Reduce data loss in the manual system already in place.
- Reduce the cost of maintenance of the gym and data storage and reducing the space occupied the files being used.
- Make data retrieval easy and reduce time wasted when manually searching for data.
- Reduce data redundancy. Redundancy is the repetition of similar data in the system. Redundancy occurs when data is updated so there occurs more than one copy of data I which consumes a lot of space.

REQUIREMENT ANALYSIS

When it comes to any type of project, requirement collection plays a key role. Requirements collection is not only important for the project, but it is also important for the project management function. Requirement can be classified in to types; Software requirements and hardware requirements.

HARDWARE REQUIREMENTS

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : intel 3 or above
- Motherboard : intel 915gvsr chipset board
- Ram : 4GB or above
- Hard disk drive : 500gb or above

SOFTWARE REQUIREMENTS

- ❖ Operating System : Windows 8 or above
- ❖ Front End : Html5, CSS, Bootstrap
- ❖ Back End : PHP/Python, mySQL
- ❖ Frame Work : Laravel/Django
- ❖ IDE :
- ❖ Web Browser :Google chrome, Microsoft edge, etc..

PROBLEM DEFENITION AND INITIAL REQUIRMENTS

PROBLEM DEFENITION:

In many Gyms, the **payment receipts are in paper format**. So it is very difficult for both gym members to keep all the paper receipts safely and to gym trainer to keep reminding for the fee receipts. Sometimes it creates a **trouble when members lost their receipts**. The other problem that can be faced by a gym owner is that if he/she wants to inform any message related to working or non-working days of gym, **manually sending message become difficult**. If there is online

application available these problems can be solved. So, I am developing an application to overcome some of these issues. So this project can be helpful for both **gym owner as well as for gym members**. In this application **all receipts are store in a digital format**, so there are no issues of losing any confidential receipts. This application will also notify the user (gym members) about their fees and also **notifies the gym owner** about the **payment clearance**. This application can be elaborated by providing **supplement store, diet information, personal training** etc. every member handle the **diet maintenance** with once registration and also provide a personal training for each and every members.

BASIC FUNCTIONALITIES

MODULES:

- User
- Admin

MODULE DISCRIPTION:

USER:

- **Login** – Once they have registered they need to login to avail the service at the needy time.
- **View Details** – Logging in with the application will provide you the lists of bill reciepts and notification of the package.
- **Search records**– So that the users can search the bill

ADMIN:

- **Login** – Registered admin can login their accounts
- **Register Member**– At first every member has to register their details with the admin.
- **Create/Manage Bill details** – Here bill details have to post their details like name, id, package, amount, payed, services, due date, etc.
- **Manage Customer** – Admin can view the customer details.
- **Manage Diet** – Admin can recomend the diet details.
- **Manage Supplement Store** – Admin can manage the supplement store for the gym.