

A
Project Report

On

“Gym Management System”

Submitted To

**Sangamner Nagarpalika Arts, D. J. Manlpani Commerce,
B. N. Sarada Science College,(Autonomous) Sangamner.**

Affiliated By

“Savitribai Phule Pune University,Pune”

In particular fulfillment of

Bachelor of Business Administration

(Computer Application) / BCA

Submitted By

Aher Vaishnavi Dinkar

Samal Vaishnavi Madhukar

Under The Guidance Of

Prof. Dhage H.Y.



**Sangamner Nagarpalika Arts, D. J. Manlpani Commerce,
B. N. Sarada Science College,(Autonomous) Sangamner.**

SYBBA CA(Sem-IV)Year 2022-2023



CERTIFICATE

This is to certify that the project entitled “**Gym Management System**”. Submitted in partial fulfilment of the requirement of Bachelor Degree in Business Administration BBA (CA), Savitribai Phule Pune University, Pune and embodies the bonafide work carried out by **Miss. Aher Vaishnavi Dinkar and Miss. Samal Vaishnavi Madhukar.**

We find that the work is complete, comprehensive and of significantly appropriate Standard to warrant its presentation for the purpose of BBA (CA) examination.

This is his original work carried out under the guidance and supervision of project guide.

Prof. Dhage H. Y.

(Project Guide)
Department)

Internal Examiner

Prof. Khemanar T. T.

(Head of

External Examiner

DECLARATION

We, the undersign **Miss. Aher Vaishnavi Dinkar and Samal Vaishnavi Madhukar**. Hereby declare that the project report entitled," Gym Management System", Is the research work made for Department of BBA (CA), Sangamner college Sangamner. Genuine and bonafide work presented by me under the guidance of internal project guide.

The empirical finding in this project is based on the data collected by me. The matter presented in this project is not copied from any source. I understand that any such copy is liable to the punishment in way the university authority deems fit.

The work is not Submitted for award any degree or Diploma earlier to the university of Pune or any other University. The project report is submitted to Sangamner Nagarpalika Arts, D. J. Manlpani Commerce, B. N. Sarada Science College,(Autonomous) Sangamner affiliated by Savitribai Phule Pune University in the Partial fulfilment of degree of Bachelor in Business Administration (Computer Applications).

ACKNOWLEDGEMENT

Lastly, we would like to thanks all the staff members of all Sangamner College Sangamner for their help to provide information to complete this project.

It gives me great pleasure to present my project report "**Gym Management System**" for "Sangamner College Sangamner".As per requirement of the curriculum of the course of "**Bachelor of Business Administration (Computer Application)**" from the University of Pune.

Firstly, I am heartily thankful to project conductor and guide **Prof. Dhage H. Y.** For selecting this project.

I am also thankful to our coordinator of our BBA (CA). Of our college and **Prof. Khemnar T. T .H.O.D of BBA (CA) Department.**

Yours Sincerely,

Miss. Aher Vaishnavi Dinkar

Miss. Samal Vaishnavi Madukar

1. INTRODUCTION

1.1 Project Profile:

Gym Management System is developed to managed members, trainers and also keep records of payments; In this system there are five entities namely Admin, Gym, Members, Trainers and Payments. After login admin can add new members and trainers. And can also delete member and trainers who left the gym. This system is designed for the particular need of the company to carry out operations in a smooth and effective manner. This system provides the required information in less time and also helps in quick decision making. In this project we use HTML, CSS, Java Script, PHP, Bootstraps as frontend and MYSQL databases as backend.

Fitness Zone is a well reputed Gym. It is conducting its operation with 4 and more braches located at different areas. Business is well established for about 5 years and carrying out the business in a professional manner. Also the trainers are well experienced in the field for many years, so the gym had been able to attract large numbers irrespective if age social status or genders.

2. LITERATURE SURVEY

2.1 Existing System:

Existing System refers to the system that is being followed till now. Presently all the functionalities are done manually.

Some of the Job functionalities in manual system are depicted below:

- Registration of Members and Staff
- Payment
- Assigning Trainers
- Record Keeping
- Routines Management

Following are some of the Drawbacks of Existing System:

- Time consuming.
- Highly error prone.
- Updating and Retrieval tasks are very tedious.
- Highly error prone.
- Easy Customer service is difficult.

2.2 Proposed System:

To overcome the drawbacks and to make the system working more accurately with the increasing volumes of the business management of the gym has decided to automate the processes. Following are the basic facts that expects from the new system:

- Security of data
- Ensure data accuracy
- Administrator controls the entire system
- Higher efficiency

2.3 Feasibility Study:

- **Technical feasibility:**

At first it's necessary to check that the proposed system is technically feasible or not & to determine the technology and skill necessary to carry out the project. If they are not available then find out the solution to obtain them. Hardware is already available in the collage.

- **Economic feasibility:**

While considering economic feasibility, it is checked in points like performance, information and outputs from the system. MS Access is available in one package of the windows operating system & does not require additional software cost for the client tools. The cost incurred to develop the system is freeware & does not incur the cost to the project. Backend database technology is a freeware. This justifies economical feasibility of the system.

- **Social feasibility:**

Although generally there is always resistance, initially to any change in the system is aimed at reliving the work load of the users to extent the system is going to facilitate user to perform operations like calculating salary amounts and deductions, generating reports with less possible errors. Thus there is no reason to make system socially unfeasible.

- **Operational feasibility:**

The operational feasibility is obtained by consulting with the system users. Check that proposed solution satisfies the user needs or not. There is no resistance from employee since new system is helpful. The existing system is manual system, while the new system is computerized and extremely user friendly.

3. OBJECTIVES OF SYSTEM

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

4. HARDWARE & SOFEWARE REQUIREMENT

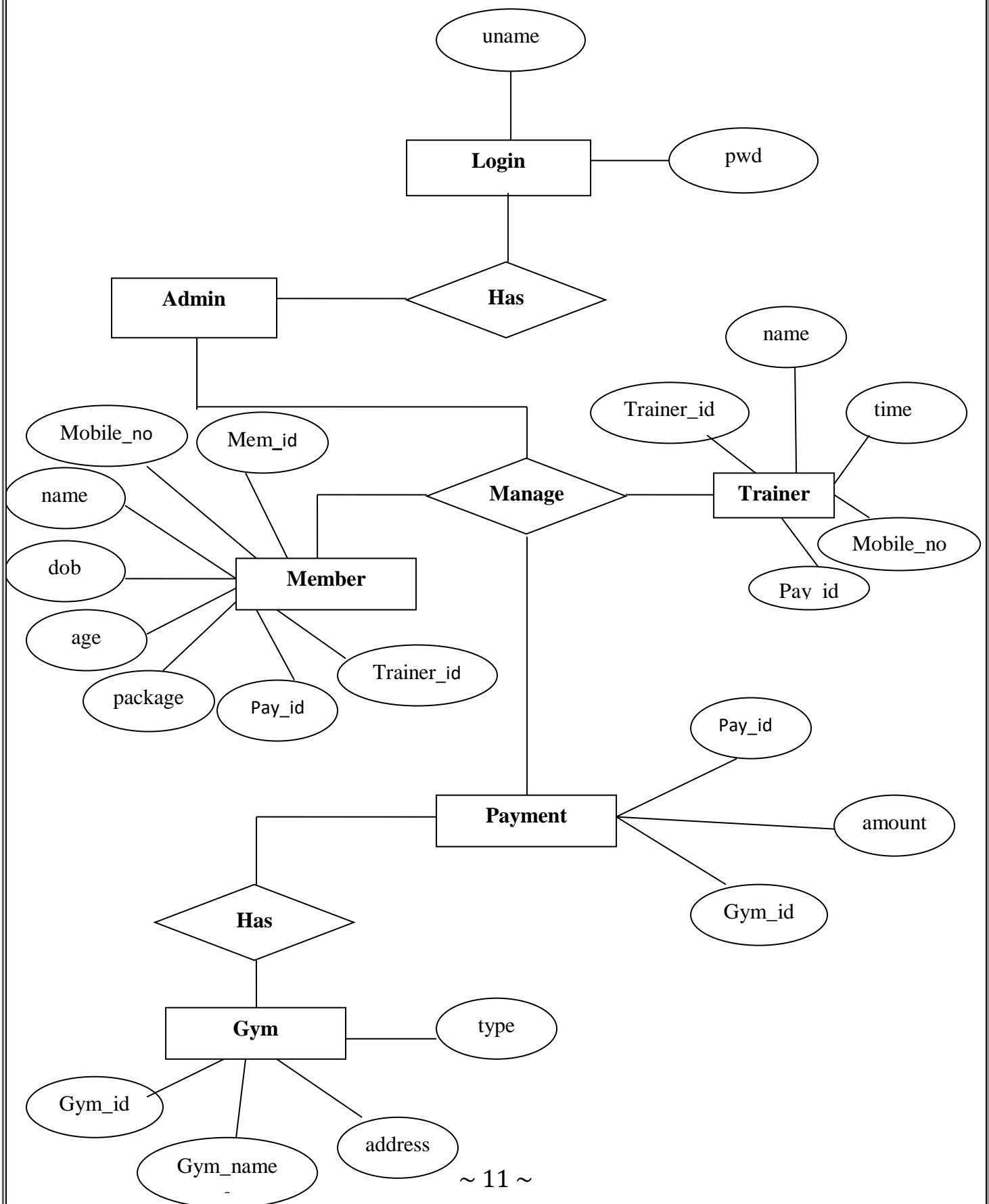
4.1 Hardware Requirements:

- Processor- Intel i5 or more
- Processor Speed- 1.4GHz
- RAM- 2 GB or more
- Hard Disk- 500 GB or more
- Monitor- DELL

4.2 Software Requirements:

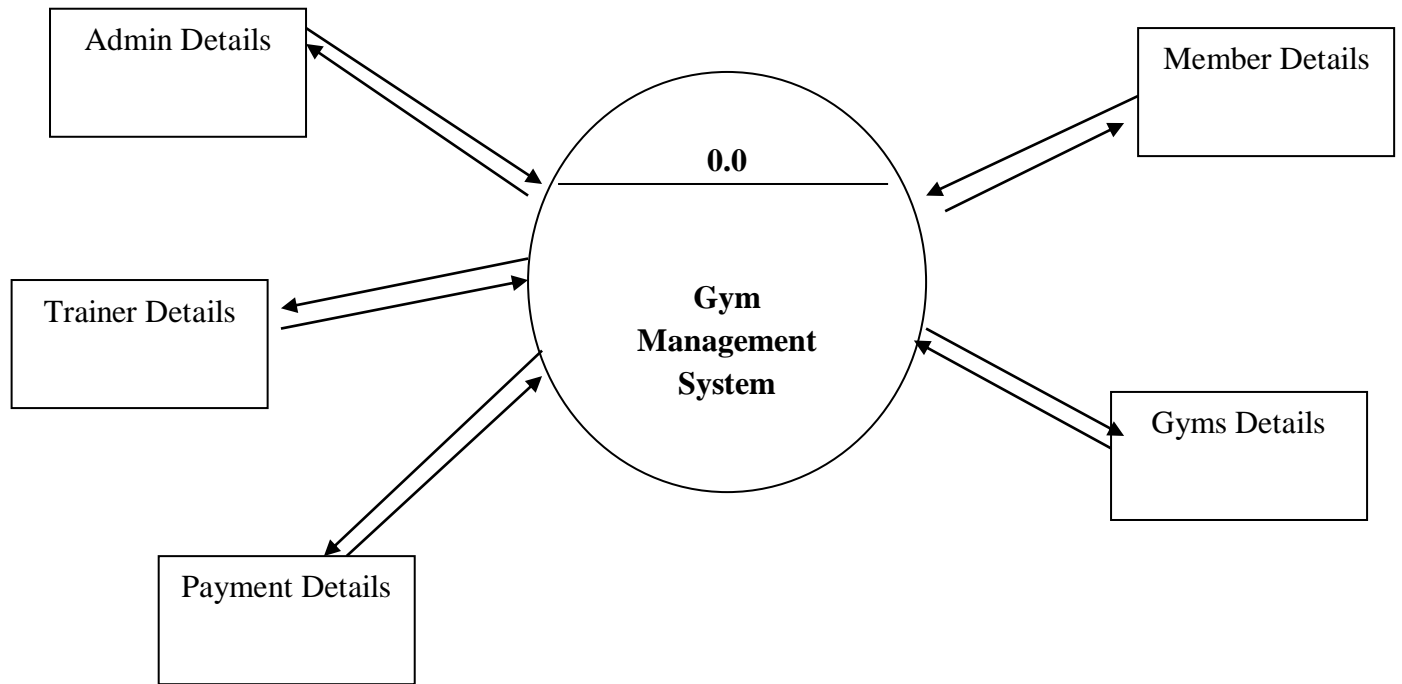
- Operation System- Windows 10
- Front End- HTML, CSS and Java Script.
- Back End- MY SQL
- Server- WAMP Server, PHP.

5. E R Diagram

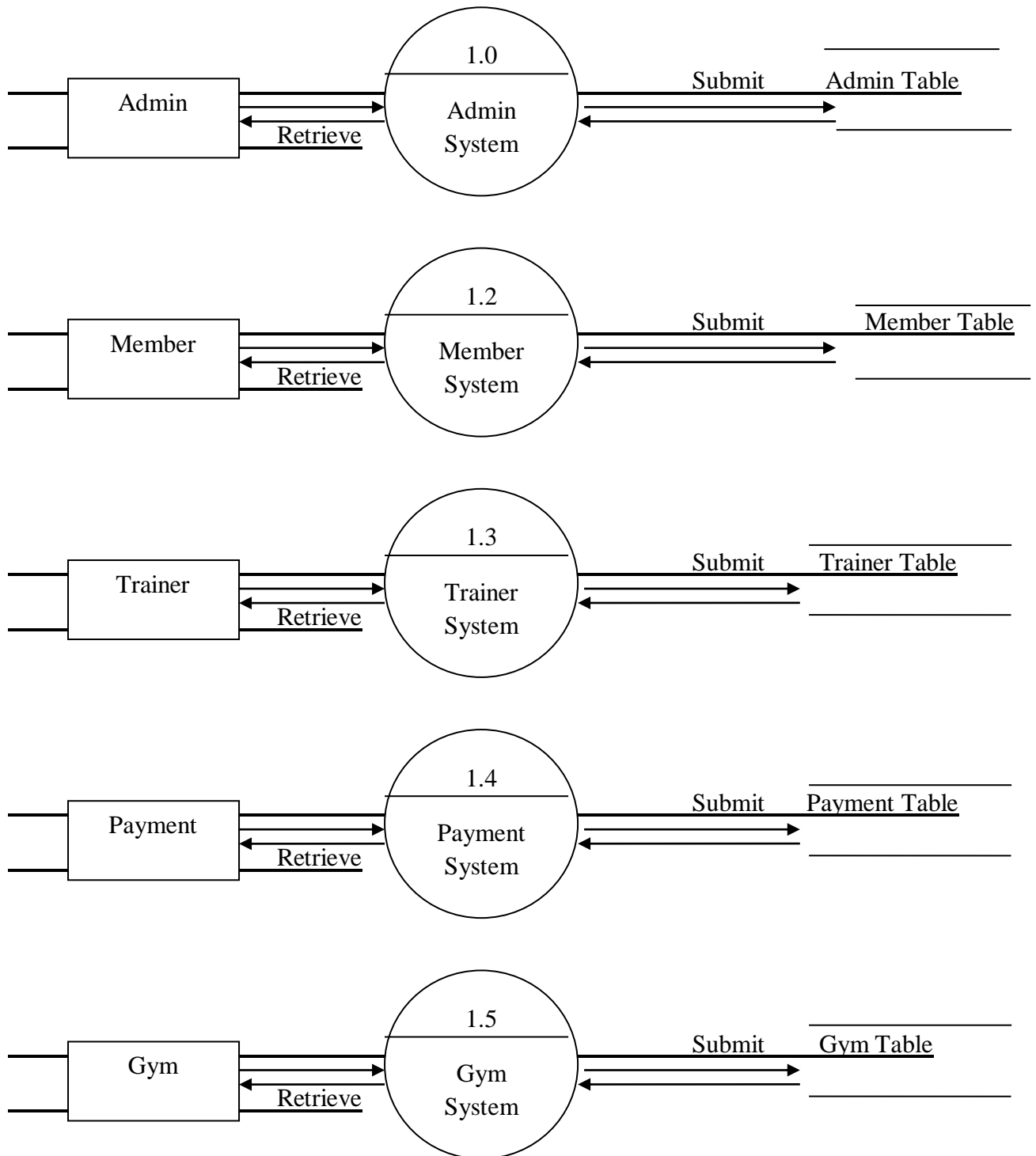


6. Data Flow Diagram

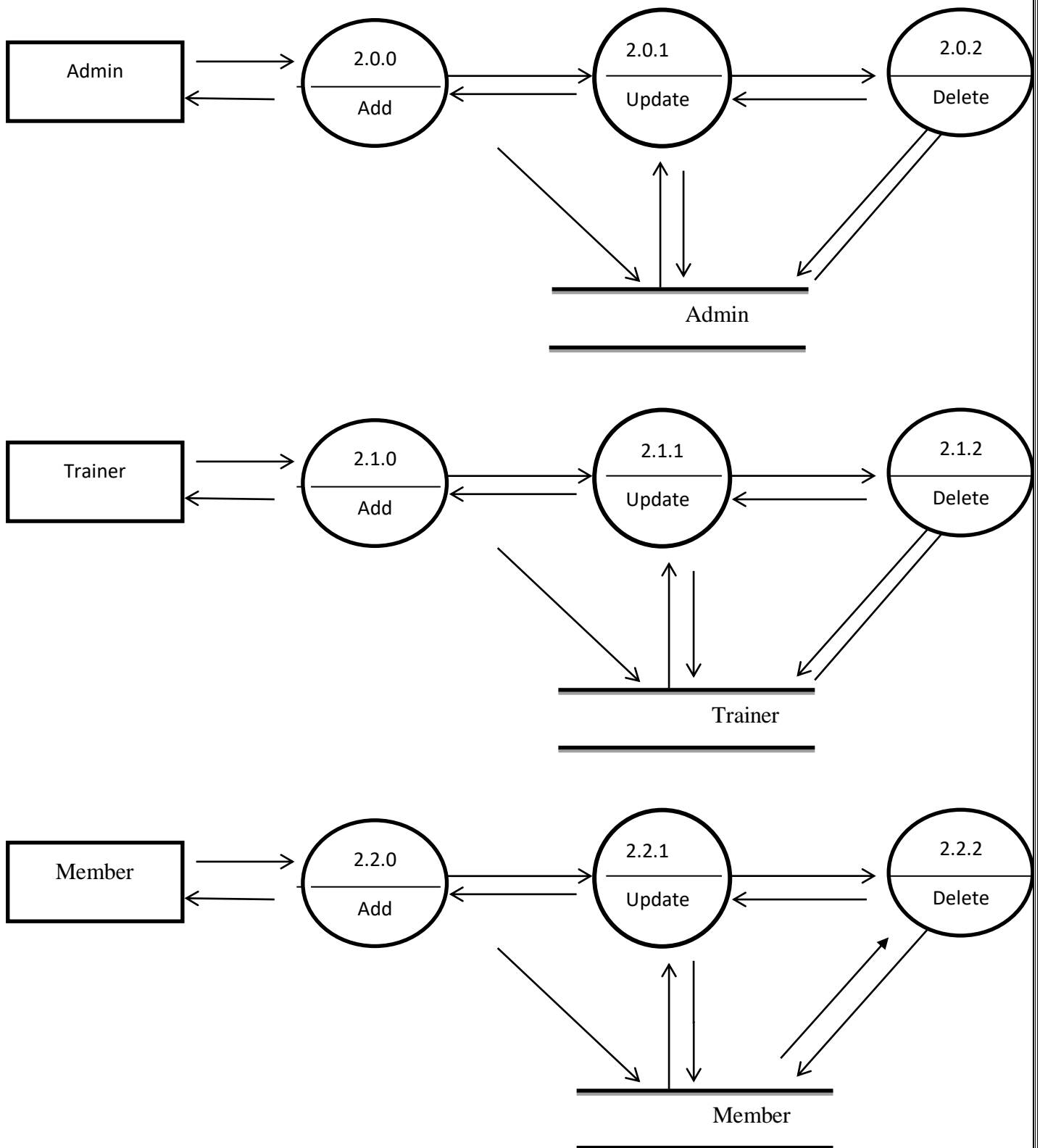
- **Context Level DFD :**

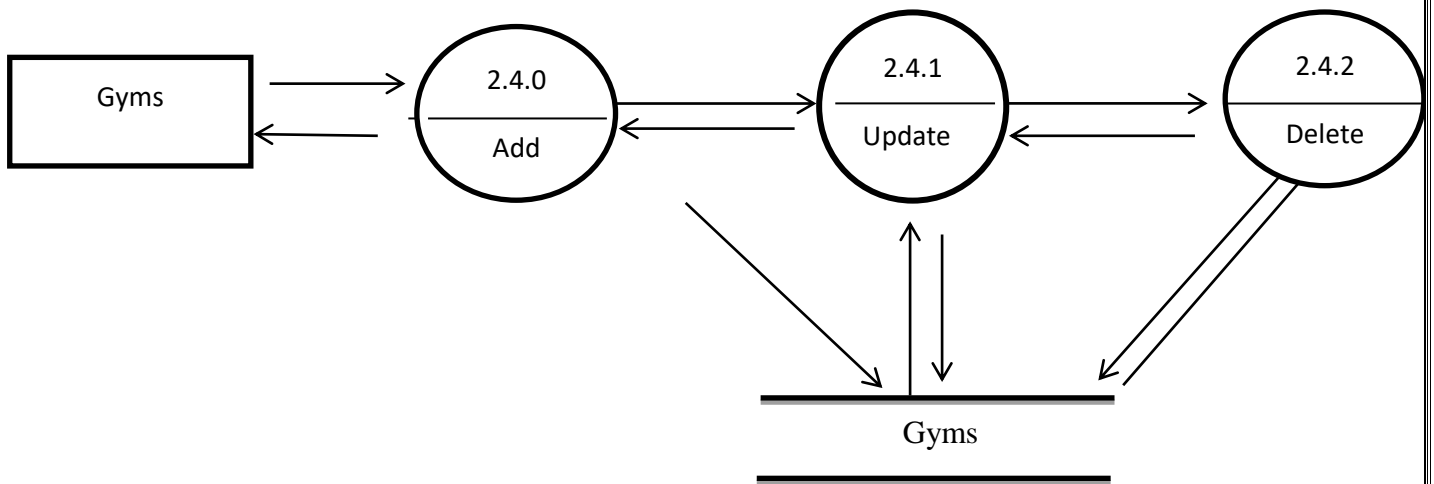
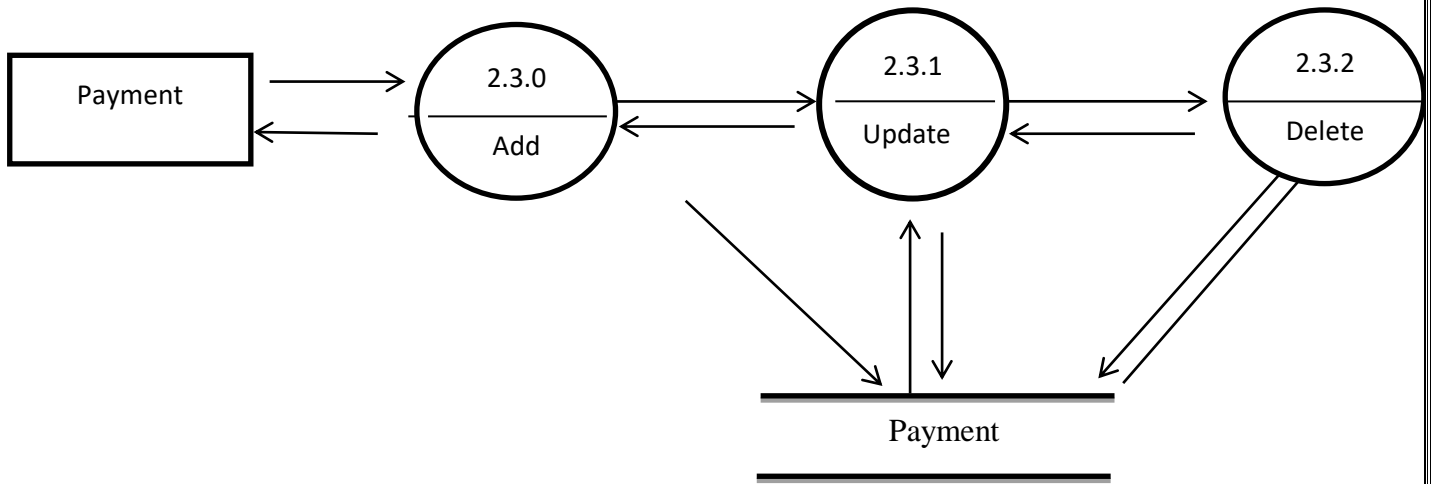


First Level DFD:



- **Second Level DFD:**





7. Data Dictionary:

- Admin Login Form:

Filed Name	Data Type	Size	Constraint
id	Int	10	Primary key
uname	Varchar	30	Not null
pwd	Varchar	30	Not null

- Member Form:

Filed Name	Data Type	Size	Constraint
mem_id	Varchar	20	Primary key
Name	Varchar	30	Not null
Dob	Varchar	20	Not null
Age	Varchar	20	Not null
package	Varchar	10	Not null
mobilenno	Int	10	Not null
pay_id	Varchar	20	Not null
trainer_id	Varchar	20	Not null

- Trainer Form:

Filed Name	Data Type	Size	Constraint
trainer_id	Varchar	20	Primary key
Name	Varchar	20	Not null
Time	Varchar	10	Not null
mobilenno	Int	10	Not null
pay_id	Varchar	20	Not null

- Payment Form:

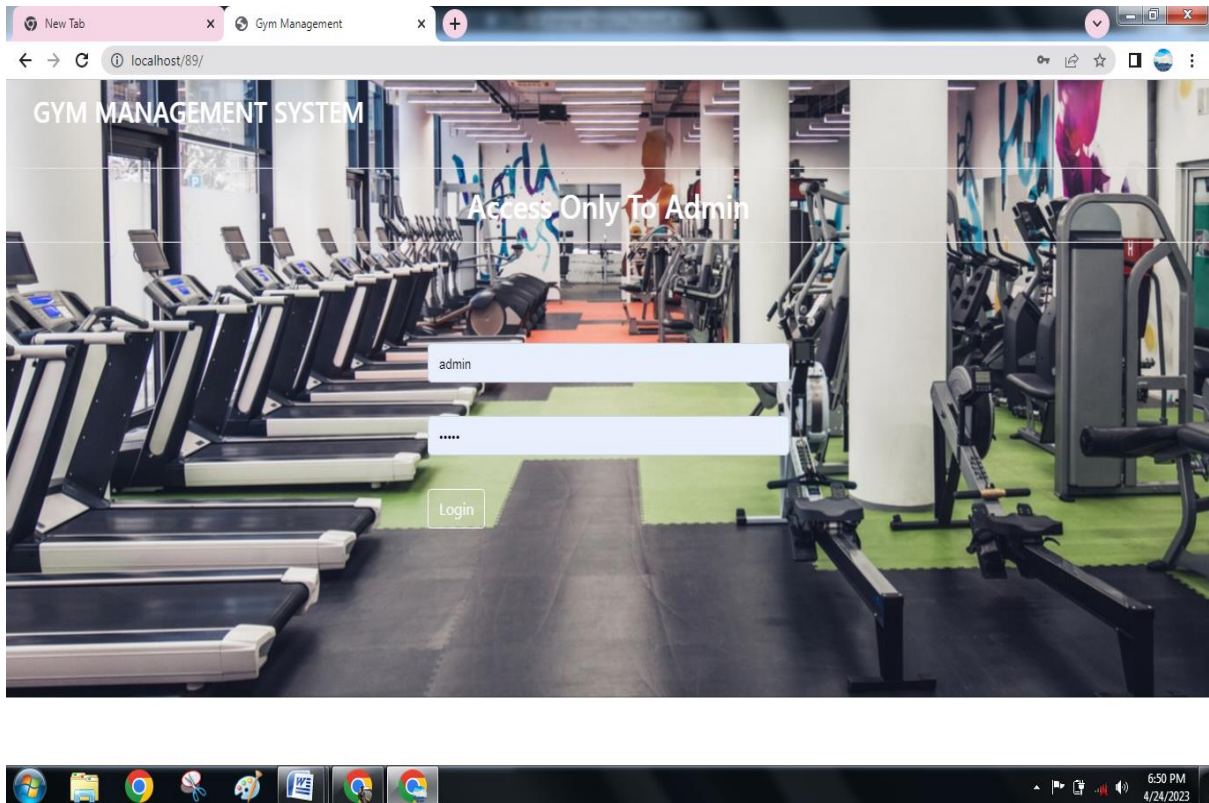
Filed Name	Data Type	Size	Constraint
payment_id	Varchar	20	Primary key
amount	Varchar	20	Not null
gym_id	Varchar	20	Not null

- Gym Form:

Filed Name	Data Type	Size	Constraint
gym-id	Varchar	20	Primary key
gym_name	Varchar	30	Not null
Address	Varchar	150	Not null
Type	Varchar	20	Not null

8. Input Output Screen Layout

- ADMIN PAGE:



- ADD GYM AREA:

GYM MANAGEMENT SYSTEM [log out](#)

ADD GYM

Gym added successfully

GYM ID
GYM6

GYM NAME
FITNESS ZONE

GYM ADDRESS
Vidyanagar

GYM TYPE
WOMEN

ADD

- MANAGE GYM:

GYM MANAGEMENT SYSTEM [log out](#)

SEARCH GYM
FITNESS ZONE

GYM ID	GYM NAME	GYM ADDRESS	GYM TYPE
GYM1	GYM LAND	Shiva Nagar	unisex
GYM2	TARGET ZONE	Janata nagar	men
GYM3	SHAPE GYM	Ganesh nagar	unisex
GYM4	TITAN GYM	Golden city	unisex
GYM6	FITNESS ZONE	Vidyanagar	women

- ADD PAYMENT AREA:

GYM MANAGEMENT SYSTEM [log out](#)

ADD PAYMENT AREA

PAYMENT AREA ID

AMOUNT

GYM ID

- MANAGE PAYMENT AREA:

GYM MANAGEMENT SYSTEM [log out](#)

SEARCH PAYMENT AREA

PAYMENT AREA ID	AMOUNT	GYM ID
Payment1	5200	GYM1
Payment2	4800	GYM3
Payment3	6400	GYM3
Payment4	5400	GYM4
PAYMENT9	5600	GYM9

- ADD MEMBER AREA:

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

MEMBERS

TRAINERS

ADD MEMBER

MEMBER ID
M5

MEMBER NAME
Chaitra

AGE
24

DOB
12/05/1999

PACKAGE
5000

MOBILE NO
54746387456

PAYMENT AREA ID
PAYMENTS

TRAINER ID
T5

ADD

- MANAGE MEMBER:

GYM MANAGEMENT SYSTEM

log out

GYM

PAYMENT DEPARTMENT

MEMBERS

TRAINERS

SEARCH MEMBER

Chaitra

MEMBER ID	MEMBER NAME	AGE	DOB	PACKAGE	MOBILE NO	PAYMENT AREA ID	TRAINER ID
M1	Aditya	26	18/08/1994	5200	3479520752	Payment1	T1
M2	Karan	21	26/06/1998	4800	3205439147	Payment2	T2
M3	Chirag	22	22/07/1997	6400	4890295488	Payment3	T3
M4	Veeresh	20	21/08/1999	6000	3495729048	Payment4	T4
M5	Chaitra	24	12/05/1999	5000	5474638745	PAYMENTS	T5

- ADD TRAINER:

GYM MANAGEMENT SYSTEM [log out](#)

ADD TRAINER

TRAINER ID
T5

TRAINER NAME
Araman

TIME
7pm-9pm

MOBILE NO
3580224256

PAYMENT AREA ID
PAYMENTS

ADD

- MANAGE TRAINER:

GYM MANAGEMENT SYSTEM [log out](#)

SEARCH TRAINER
tanveer

TRAINER ID	NAME	TIME	MOBILE NO
T1	Tanveer	5:00AM	3902376230
T2	Harry	7:00AM	3972677819
T3	Rashi	6:30PM	3892638680
T4	Arjun	9:00PM	3836802168

9. Advantages And Limitations

- **Advantages:**

- Provides the better graphical user interface.
- Storing information of members according to their ID.
- This system can run on any windows operating system.
- Manage member information separately for all exercise and trainers information separately for considering the requirements of gym.
- The system is highly secured, because for login the system it requires the user name and password which is different for each department. Therefore providing each department a different view of the customer information.

Limitation:

- Time consuming as data entry which include calculations that took a lot of time.
- The cost of maintain data and records of occurrence of transaction is very high.
- A lot of paper work. Results delay and errors.

10. Future Enhancements

- ☞ Real time chat option for member and trainers, so that members can directly enquiry theirs trainer on any time through chat.
- ☞ Online payment.
- ☞ Barcode generation for membership card and using this, members can take entry to gym.
- ☞ Finger print matching for taking entry to gym.
- ☞ Better service to members.
- ☞ Effective workout management.

11. BIBLIOGRAPHY

- Reference from book. (PHP, Advance PHP)
- Bootstrap.
- Collect some code from online web sites like
www.google.com
www.bootstrap.com
www.w3school.com
- Guidance from project teacher.