FITNESS CLUB HANDLING SYSTEM

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DEPARTMENT OF COMPUTER SCIENCES

COMSATS UNIVERSITY ISLAMABAD, VEHARI CAMPUS

VEHARI – PAKISTAN

SESSION 2019-2022

FITNESS CLUB HANDLING SYSTEM

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A DISSERTATION SUBMITTED AS A PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE DEGREE OF BACHELOR'S IN COMPUTER SCIENCE /
SOFTWARE ENGINEERING

DEPARTMENT OF COMPUTER SCIENCES

COMSATS UNIVERSITY ISLAMABAD, VEHARI CAMPUS

VEHARI-PAKISTAN

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CERTIFICATE OF APPROVAL

It is to certify that the final year project of BS (CS) "**FITNESS CLUB HANDLING SYSTEM**" was developed by **ALI HAIDER (CIIT/SP19-BCS/005)** and **MUHAMMAD NOUMAN AKRAM (CIIT/SP19-BCS/-037)** under the supervision of "**UMAR RASHID**" and that in his opinion; it is fully adequate, in scope and quality for the degree of Bachelor of Science in Computer Sciences.

Supervisor

External Examiner

Head of Department

(Department of Computer Science)

DEDICATION

We dedicate this project to our Loving Parents, Respected Teachers and particularly our Honorable supervisor Sir Umar Rashid for their love and support.

ACKNOWLEDGEMENT

Saying of **The Holy Prophet Muhammad (S.A.W)** a person who is not thankful to his benefactor is not thankful to Allah. All and every kind of praise is upon Allah Almighty, the strength of Universe, forever help in darkness and difficulties.

All and every kind of respect goes to The **Holy Prophet Muhammad (S.A.W)** for being a unique, comprehensive, and everlasting source of guidance and knowledge for humanity. We deem supreme pleasure to be able to express the heartiest gratitude and deep sense of devotion to our respected and worthy supervisor **Sir Umar Rasheed** for his kind guidance, useful suggestions. Words are lacking to express our humble obligations to our parents help and prayers. Our deep thanks for our parents without their enduring support and advice we would not be able to complete our work.

Project Team Members

M. Nouman Akram

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PROJECT BRIEF

PROJECT NAME   FITNESS CLUB HANDLING SYSTEM

ORGANIZATION NAME   COMSATS UNIVERSITY ISLAMABAD (VHR)

OBJECTIVE   Facilitate user for an easy admission process in

                                       Fitness club

UNDERTAKEN BY   ALI HAIDER & M NOUMAN AKRAM

SUPERVISED BY   SIR. UMAR RASHID

                                         LECTURER

DEPARTMENT   COMPUTER SCIENCE

                                       COMSATS UNIVERSITY ISLAMABAD (VHR)

STARTED ON   14-4-2022

COMPLETED ON   16-12-2022

COMPUTER USED   DELL ULTRABOOK E7240

SOURCE LANGUAGE   CSS, HTML, PHP

OPERATING SYSTEM   WINDOWS 10

TOOLS USED   VS CODE

ABSTRACT

Being healthy is the first thing to be kept in mind because most of the time our attitude depends on how we feel. It is hard to get admission in health club when slots are full. 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. This health club management system will help to overcome such problems by booking the desired slot online and pay fees by electronic money transfer.

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1 Introduction

1.1 System Introduction:

The Fitness Club Handling System is a gym and health club membership management system. This project aims to automate gym and fitness admission process as the admission process in gym and selecting a trainer is difficult. Sometimes it is difficult to get a desired slot timing. This health club management system will help to overcome such problems by looking the desired slot online and pay fee by electronic money transfer. Our Gym Management Software provides lots of functions such data entry of customer, keeping records of all the things about customer's fees, plan, and physical fitness which help to provide good quality of services to customer from Gym managers. In this proposed system also provide the total information about machinery and data of coaches is also stored in it. Services provided by Gym are also handled by this system.

1.2 Background of the System

Currently, there are plenty of apps that can track your workout and show the current process however, very few apps demonstrate how the exercises are done and devise a plan. Fitness Club can help individual to achieve their fitness goals easily. Indeed, there is remarkable expansion in the number of fitness applications accessible on the web and apps, but they focus on single objectives. The main objective of our project is to create a website which enables the user to effectively lose weight, maintain weight and gain Muscle in a sustainable manner with clear and concise plans. Our project allow user to enter his training record on daily basis, so he can watch out his progress. Thus, our project is multi-objective compared to others. . Following systems are discussed to understand the existing apps and differentiate with this website.

1.2.1 My-Coach

It is a more robust and a well-designed system, but doesn't have features of conveying the diet plan. It also gives a score for individual's daily performance. In contrast, our proposed website provides features like diet plan, packages and trainers which help individual to achieve his fitness goals. Moreover, member can select the appropriate schedule out of his busy day.

1.3 Objectives of the System

- To develop software that facilitates the data storage, data maintenance and its retrieval for the gym in an igneous way.
- To develop easy-to-use software which handles the customer-staff relationship in an effective manner.
- To provide platform where user can select trainer and manage his information easily.
- To provide physical activity that will enable each person to monitor desired goals.
- To provide payment method, Payment History & generate report.
- To allow user to Keep Track of his physical statics.

1.4 Significance of the System

In this system, we don't need to go to Gym House to Admit Manually. This project can help to reduce Time and record complete details of Gym subscriber. This is a whole process that will be started for member's physical statistics. This Project Requires, which will store data about members, trainer, and equipment's, payrolls information and modify any record. Gym management software is designed to simplify the running of a fitness club. From online gym scheduling and automated billing to administrative tasks, the software pulls all data into one place so that you can run your business more efficiently.

2 Specific Requirements

2.1 Product Scope:

Gym management software is one of the most effective ways for modern gyms to achieve success and optimize their business potential and it has great future scope as well. This technology has progressed well beyond checking members into the gym and processing dues. As smartphones are used almost by everyone, so the scope of this website is very vast. This application is cheap as no extra hardware and sensors are needed. It will benefit all the peoples of the fitness industry.

2.2 Product Description

2.2.1 Product Perspective

This product is a stand-alone project. It will incorporate some of the existing functionality of other similar products and make them better and more user friendly. As an external view on the product, the product perspective defines how the product contributes to fulfilling stakeholder needs and adjacent systems assumptions. They define the product's functional behavior, qualities, and constraints in response to the assumptions of stakeholder needs or adjacent systems.

2.2.2 Product Functionality

The product functions can be described as follows:

- The product will allow admin to manage (add, edit, delete) information.
- The product will let user to view and select the suitable trainer.
- The product will allow user to select the appropriate package.
- The product will allow user to view and reserve the available equipment's.
- The product will allow user to track his daily progress record.
- The product will provide the payment method to member.
- The product will provide feedback option to user.
- The product will allow trainer to mark the member attendance.
- Trainer will share the schedule with member by this product.

2.2.3 User and Characteristics

The system has three users. One is member, the second is trainer and the third is admin. Member will sign up and use this website to select trainer, package and reserve equipment's. Member will buy subscription and pay by this website. Trainer will sign up and provide his training specialties to this website. Trainer will share schedule and mark the member

attendance using this website. Admin will manage both member and trainer info by this website.

2.2.4 Operating Environment

As it's a web base application so it can be accessed by any operating system i.e., Windows, Android, iOS etc. Following requirements needs to meet in order to run this application,

- Operating System: Windows platform
- Processer: 2.5 GHz
- RAM: 512 MB
- Hard disk: 40GB
- Good Internet Connection

2.3 Functional Requirements

Three types of users will be using this website which are Admin, Trainer and member. Each user has its own functional requirements.

2.3.1 Admin

- Admin can login to the system.
- Admin can delete/edit information of member and trainer.
- Admin can keep the track of members and trainer's attendance.
- Admin can make and update packages.

2.3.2 Member

- Member can create account
- Member can login into the system
- View and edit Account information
- Can View package and payment
- Search for trainers by name
- Can view and reserve equipment's
- Can select trainer
- View schedule
- Rate trainers
- Can make payment online
- View members ratings

2.3.3 Trainer

- Trainer can create account

- Log in into the system
- View and edit Account information
- Select or reject user member
- Can share schedule
- Can take members attendance
- Edit the services
- Can share diet charts for each user

2.4 Use Case Diagram
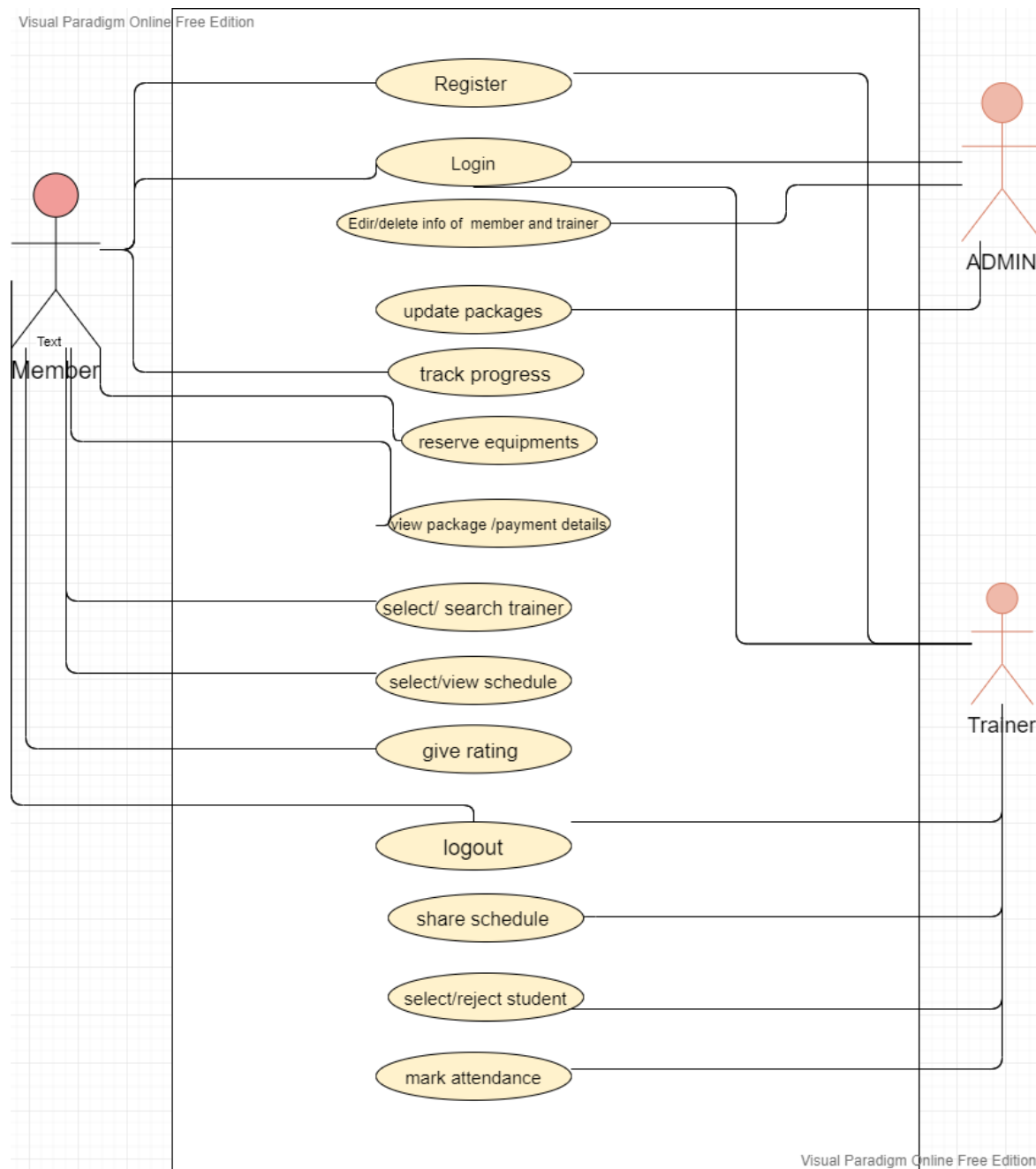
Figure 2.1 Use Case Diagram

2.5 Use Case Description

2.5.1 Member and Trainer can Registered

Use Case Title	Member and Trainer can Registered
Use Case Id	01
Description	The use case begins when the actors indicates the intent to register to the system. It ends when the trainer/member is successfully registered or cancel registration.
Primary actor	Member
Secondary actor	Trainer
Pre-Condition	Application must be in running condition Create new account option must be available
Post-Condition	The actor registered successfully.
Exception	Do not have active internet.

Table 2.1 Registration

2.5.2 Member and Trainer can Login

Use Case Title	Member and trainer can Login
Use Case Id	02
Description	The use case begins when the actor indicates the intent to login to the system. It ends when the trainer/member is login or cancel login.
Primary actor	Member
Secondary actor	Trainer
Pre-Condition	Application must be in running condition Login page must be available Member/trainer must have a valid account.
Post-Condition	The trainer/member login successfully.
Exception	Do not have internet connection.

Table 2.2 Login

2.5.3 Admin can Edit/Delete information of member/trainer

Use Case Title	Admin can Edit/Delete information of members and trainers
Use Case Id	03
Description	The use case begins when admin wants to edit or delete the information of member and trainer.
Primary actor	Admin
Secondary actor	None
Pre-Condition	Application must be in running condition Admin will Login Edit/delete option must be available
Post-Condition	Admin edit/delete the information successfully.
Exception	No internet connection.

Table 2.3 Edit/delete info

2.5.4 Admin can mark member/trainer attendance
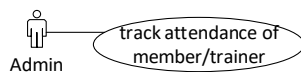
Use Case Title	Admin can mark attendance of members and trainers
Use Case Id	04
Description	The use case begins when admin wants to track the attendance of member and trainer.
Primary actor	Admin
Secondary actor	None
Pre-Condition	Application must be in running condition Admin will Login Mark attendance option must be available.
Post-Condition	Admin mark attendance successfully.
Exception	No internet connection

Table 2.4 Track attendance

2.5.5 Member can select/search trainer
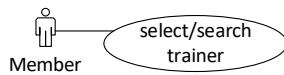
Use Case Title	Member can Select/Search Trainer
Use Case Id	05
Description	Then member will search and then select suitable trainer.
Primary actor	Member
Secondary actor	None
Pre-Condition	Application must be in running condition Member will Login Reserve trainer option must be available.
Post-Condition	Member successfully selected a trainer.
Exception	Poor internet Connection.

Table 2.5 select/search trainer

2.5.6 Member can view/Reserve Equipment's
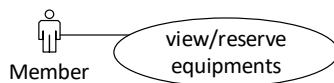
Use Case Title	Member can View/Reserve Equipment's
Use Case Id	06
Description	Member will view/reserve the equipment's in the fitness club.
Primary actor	Member
Secondary actor	None
Pre-Condition	Application must be in running condition Member will Login Equipment Reservation option must be available.
Post-Condition	Member successfully reserve the equipment.
Exception	None

Table 2.6 view/reserve equipment's

2.5.7 Member can view Package/Payment Details
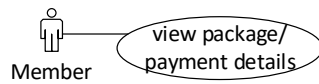
Use Case Title	Member can View Packages/payment details
Use Case Id	07
Description	Member can view his package and payment details.
Primary actor	Member
Secondary actor	None
Pre-Condition	Application must be in running condition Member will Login Package and payment pages must be available.
Post-Condition	Members view his package and payment details successfully.
Exception	Poor internet connection

Table 2.7 view package/payment details

2.5.8 Admin can Update Packages

Use Case Title	Admin can Update Packages
Use Case Id	09
Description	Admin wants to update the package of member.
Primary actor	Admin
Secondary actor	None
Pre-Condition	Application must be in running condition Admin will Login Update Package option must be available
Post-Condition	Actor update the package successfully.
Exception	None

Table 2.8 Update Packages

2.6   User Interface

Figure 2.2: Homepage

Figure 2.3: Signup & Login page
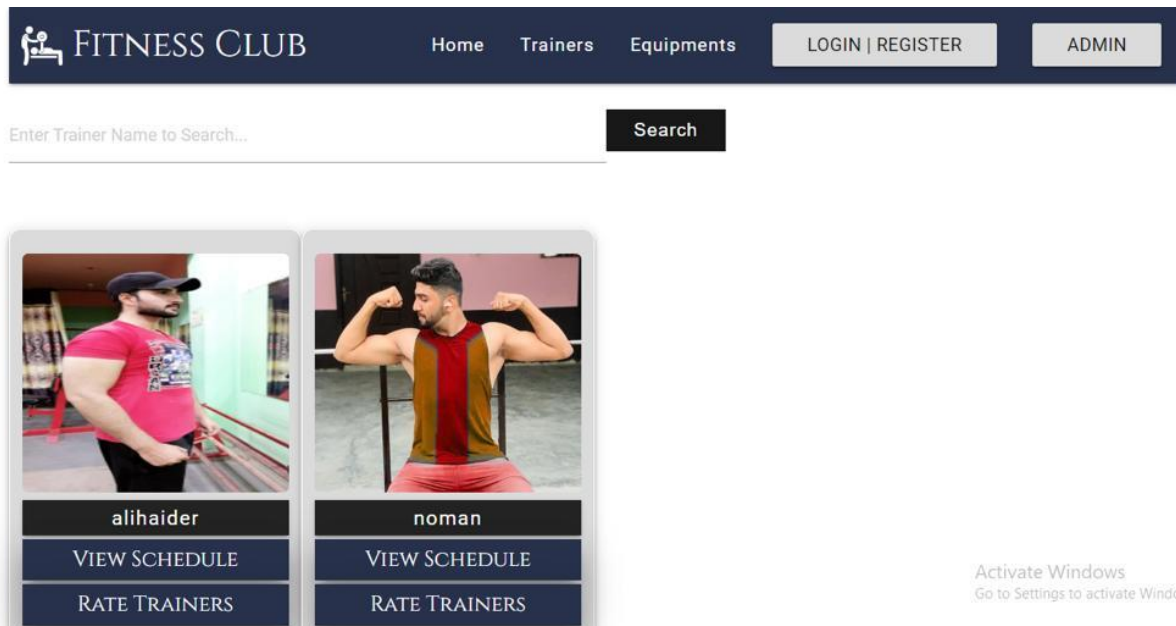
Figure 2.4: Trainers page

Figure 2.5: Equipment page

Figure 2.6: All trainers Schedule

Figure 2.7: All users info page

ID	Name	Image	Total Weight	Equipment Price	Equipment Detail
1	Dumble		40	900	sdaf
2	Bench Press		100	60000	bench presss
3	rack		100 kg	80000	its a squats machine for leg training
4	dumbel		50 kg	20000	This is use for biceps muscles
5	bench press		100 kg	30000	this is use for chest exercise
6	cabel cross		100 kg	50000	this is use to grow upper and lower chest

Figure 2.8: All equipment's info page

FITNESS CLUB   Home   Trainers   Equipments   PROFILE   LOG OUT   ADMIN

My Reservation

All Reservations

Weight Lift

View Weight Lift

WEIGHT LIFT DETAILS

ID	Date	Title	T. Weight	Reps	Details
10	17-07-22 06:29:32	bench press	20	12	super set

Figure 2.9: weight lift history page

Figure 2.10: Add new trainer page

Figure 2.11: Reservation page

| View All Trainers Schedule |
| Add Equipments |
| View All Equipments |
| View All Users |
| Mark Attendance |
| View Attendance |
| View All Reservations |
| View Diet Plan |
| View Feedback Rating |

ALL DIET PLAN INFO

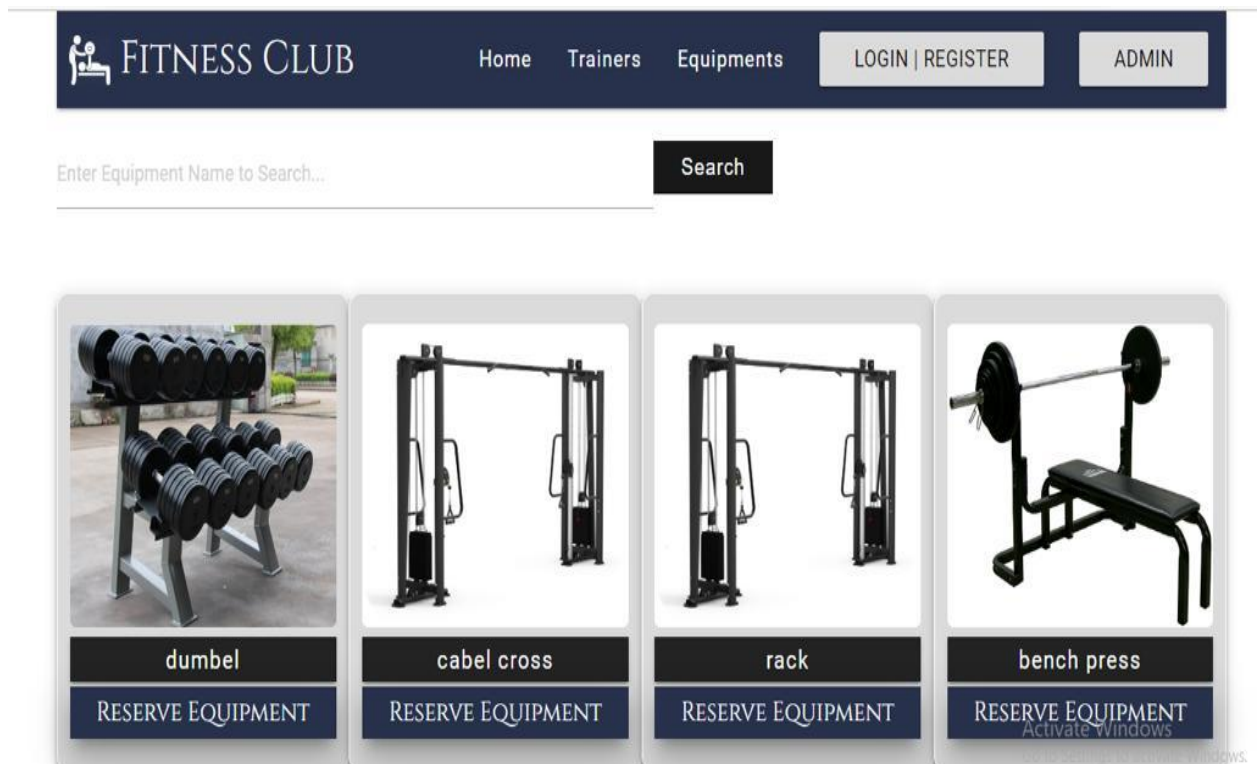| ID	Trainee Name	Food Details	Image	Diet Time	Daily Calories	Total Days	Trainer Name
1	14	Includes lean meats, poultry, fish, beans, eggs, and nuts		1	12	12	as
2	14	Includes lean meats, poultry, fish, beans, eggs, and nuts		3	1300	7	asd
3	Ahmad raza	Includes lean meats, poultry, fish, beans, eggs, and nuts		Evening	1300	12	asd
4	Member	Includes lean meats, poultry, fish, beans, eggs, and nuts		Morning & Evening	1300	7	Noman

Figure 2.12: Diet plan page

Welcome Fitness Club Handling System   Log Out

| Add Trainer Schedule |
| View All Trainers Schedule |
| Add Equipments |
| View All Equipments |
| View All Users |
| Mark Attendance |
| View Attendance |
| View All Reservations |
| View Diet Plan |
| View Feedback Rating |

MARK ATTENDANCE

ID	Name	Email	Type	Delete
14	Ahmad raza	m@gmail.com	Member	Present
26	Shoaib	t@gmail.com	Trainer	Present
28	Ghulfam	g@gmail.com	Trainer	Present
29	Khawar	k@gmail.com	Trainer	Present
30	noman	n@gmail.com	Trainer	Present
31	bilal	b@gmail.com	Trainer	Present

Figure 2.13: Mark attendance page

Figure 2.14: Feedback page

Figure 2.15: view feedback page

2.7 Non-Functional Requirements

2.7.1 Performance Requirements

The website is responsive and fast to load because the User will be disappointed if the low app load starts, and the User does not interact inefficiently.

2.7.2 Safety and Security Requirements

- Passwords are not exposed through the interface.
- Sensitive data isn't distributed among third party mediators.
- No sensitive data in backups.
- Memory is cleared, and sensitive data is not stored for long.
- Sensitive information is not stored outside the app's storage system.

2.8 Software Quality Attributes

2.8.1 Reliability

It is expected that there shall not be any bug, and the system shall be tested on end cases to offer the User a quality and reliable package. The system should work consistently. If any exceptions occur during the execution of the software, it should be caught and thereby prevent the system from crashing.

2.8.2 Portability

Portability requirements address the user concern for how easy it is to transport the system. This system can be easily viewed in any browser.

2.8.3 Flexibility

The system keeps on updating the data according to the transactions that takes place.

2.8.4 Security

In this system, all the data can only be accessible to those authorized to see it. Only the authorized people have the capability to make changes on the data under controlled conditions. The system provides username and password to prevent the system from unauthorized access. The system shall authenticate server-side users. Passwords should be stored in encrypted form.

3 Design Specification

3.1 System Design
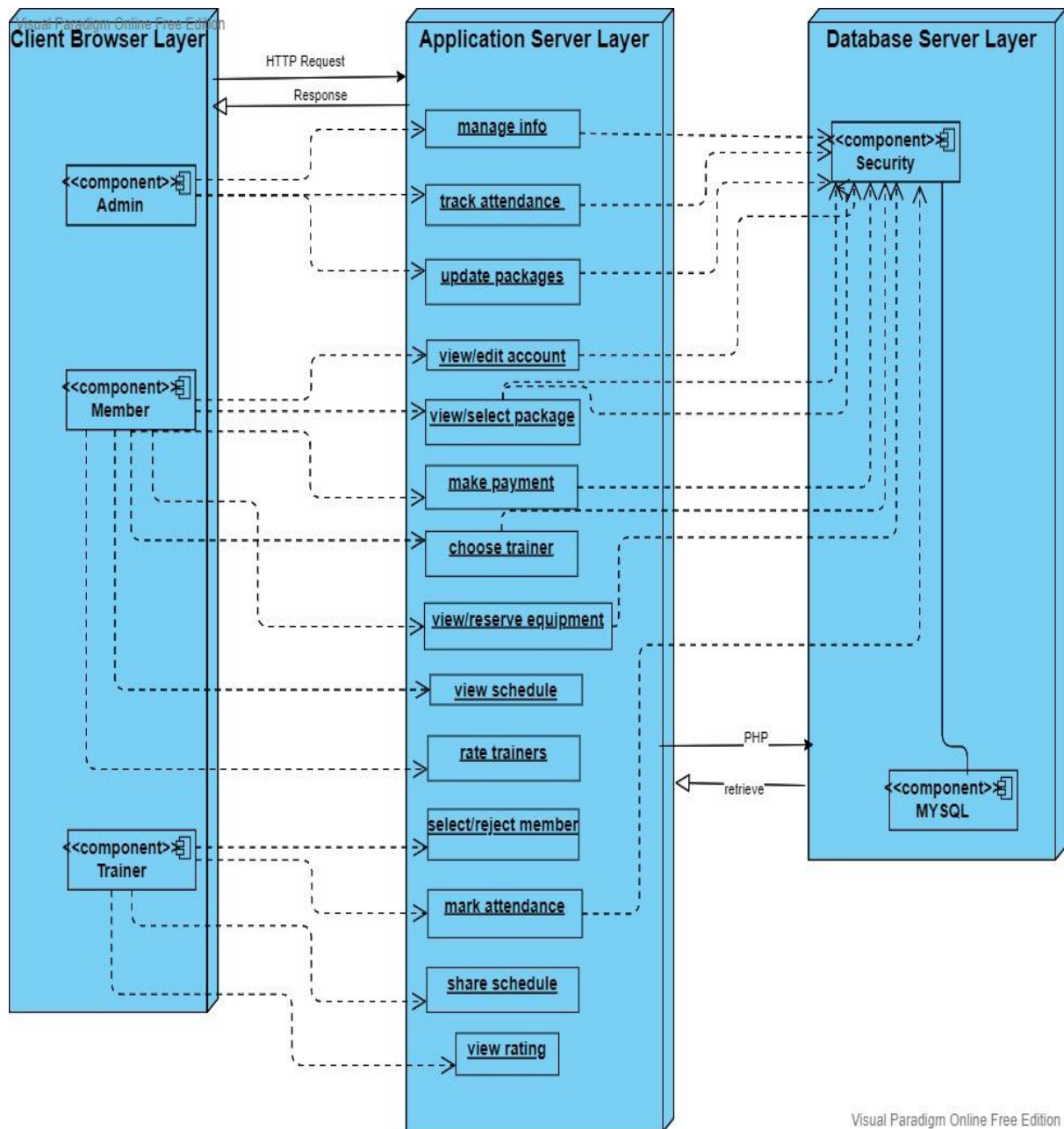
Figure 3.1: System Design

3.2 Logical Design

Track Progress

-track_Id
-Name
-Details
....
+track progress ( )

Payment

-payment_Id
- member id
-pay_Details
....
+make payment ( )

Member

-M id
- Name
-address
....
+register ()
+view/edit information ( )
+select Trainer ( )
+reserve equipments ( )
+trackprogress ( )
+ view/ select schedule ( )
+ give rating ( )

Admin

-Admin id
- Name
-address
....
+delete/ edit info ()
+track member/trainer att ( )
+update packages ( )

Trainer

-memberName
-T id
- Name
-address
....
+register ()
+select/ reject member ( )
+share schedule ( )
+mark attendance ( )
+view/ edit account info ( )
+ view rating ( )

Equipments

-Equipment_Id
-Name
-Details
....
+view equipments ( )
+reserve equipments ( )

Schedule

-S_Id
-Name
-Details
....
+shareschedule ()
+select/view chedule ( )

Packages

-package_Id
-Name
-Details
....
+view/select package ()
+update package ( )

Attendance

-Att_Id
-Date
-Details
....
+mark attendance ()

Figure 3.2: Logical Design

3.3 System Architecture
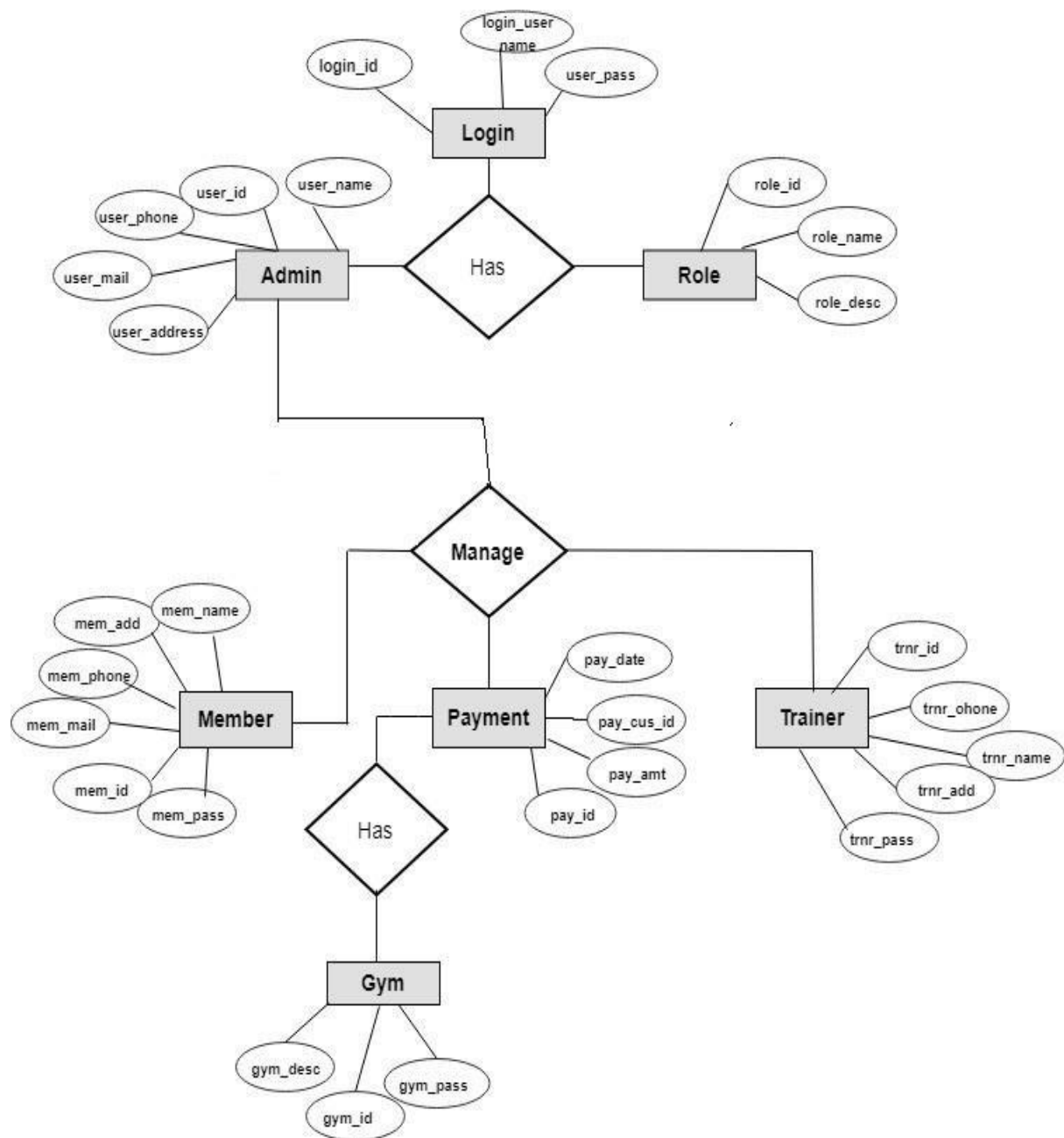
Figure 3.3: System Architecture

3.4 System Interaction and Use cases

3.4.1 Trainer/Member can register
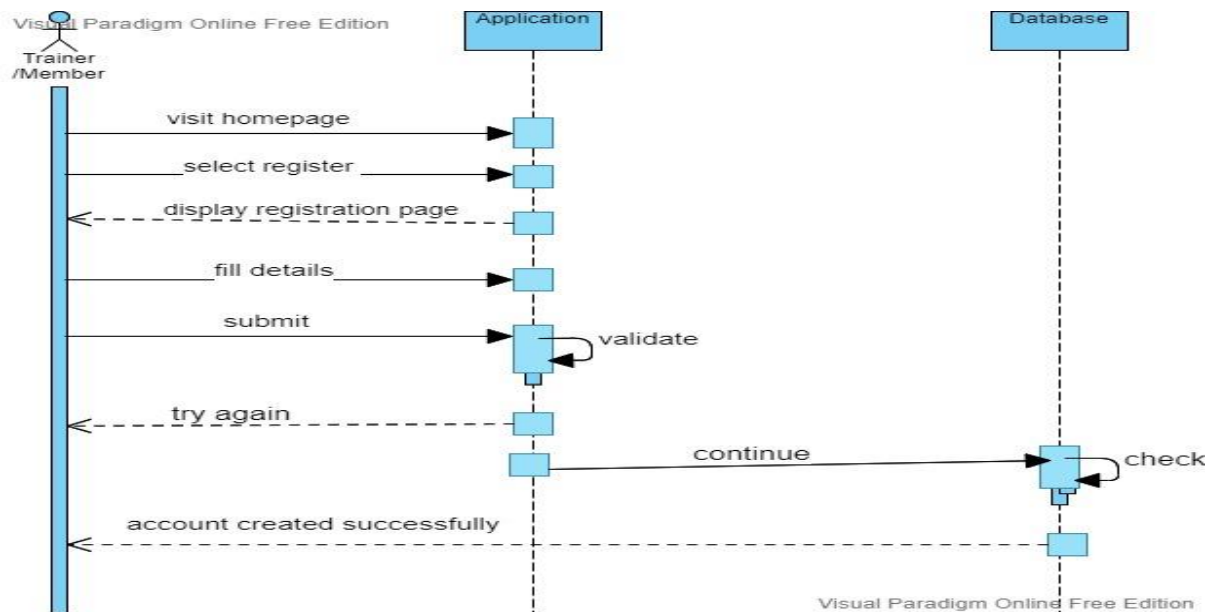
Figure 3.4: Register

3.4.2 Trainer/Member/Admin can Login
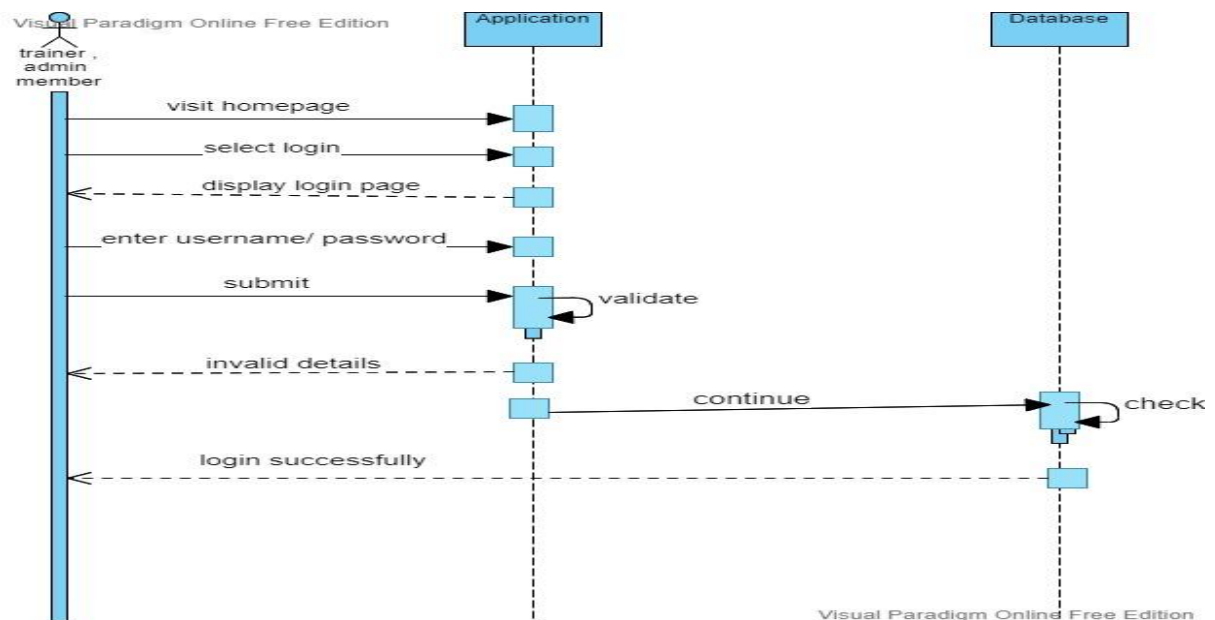
Figure 3.5: Login

3.4.3 Admin can edit/delete info of member and trainer
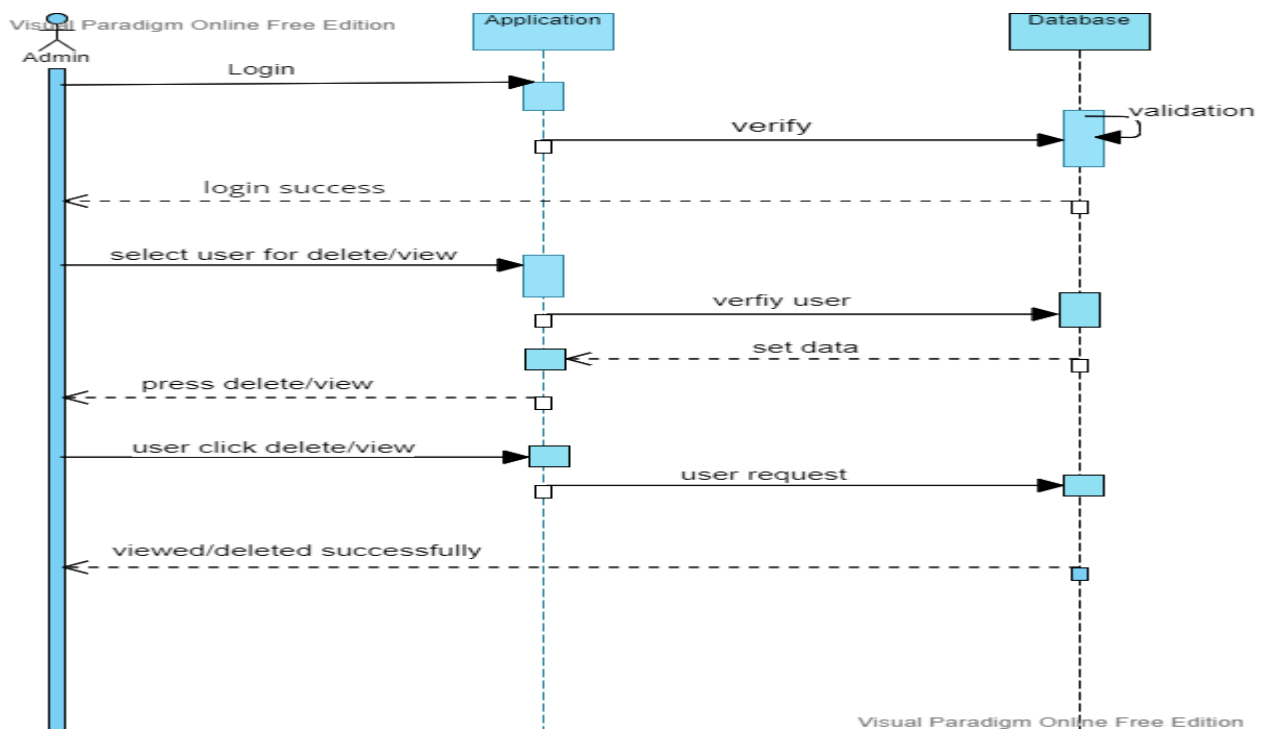
Figure 3.6: edit/delete info of member/trainer

3.4.4 Admin can mark attendance of member/trainer
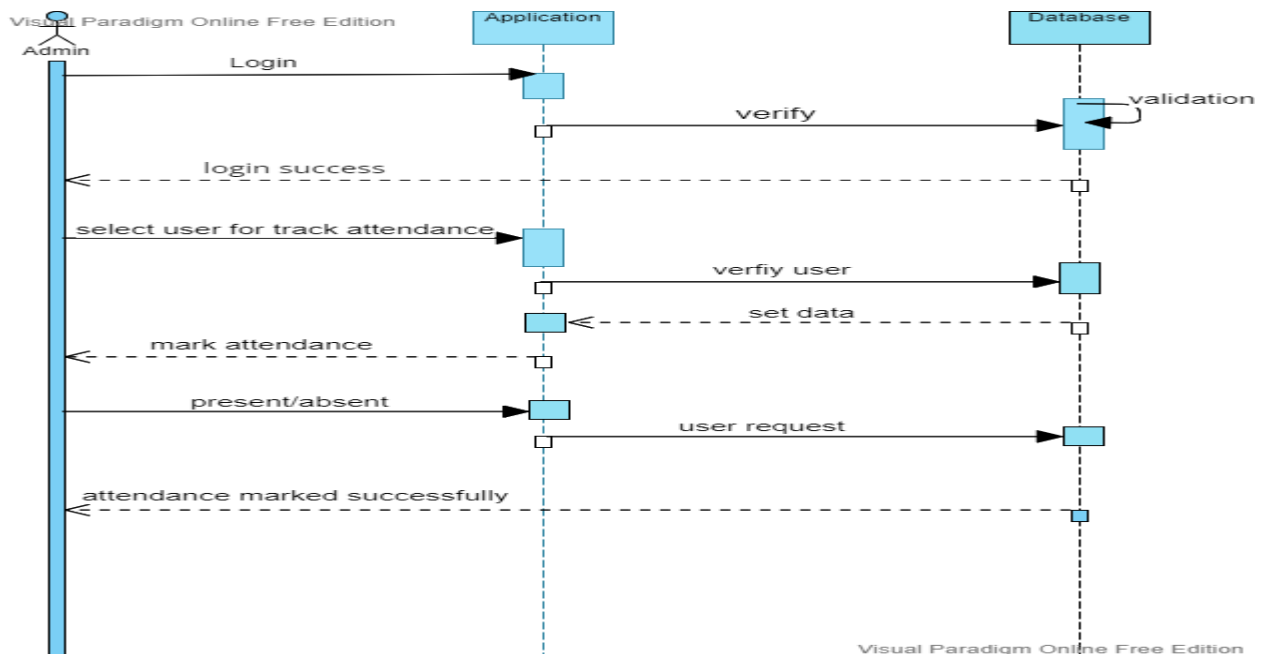
Figure 3.7 Track attendance

3.4.5 Admin can Update Package
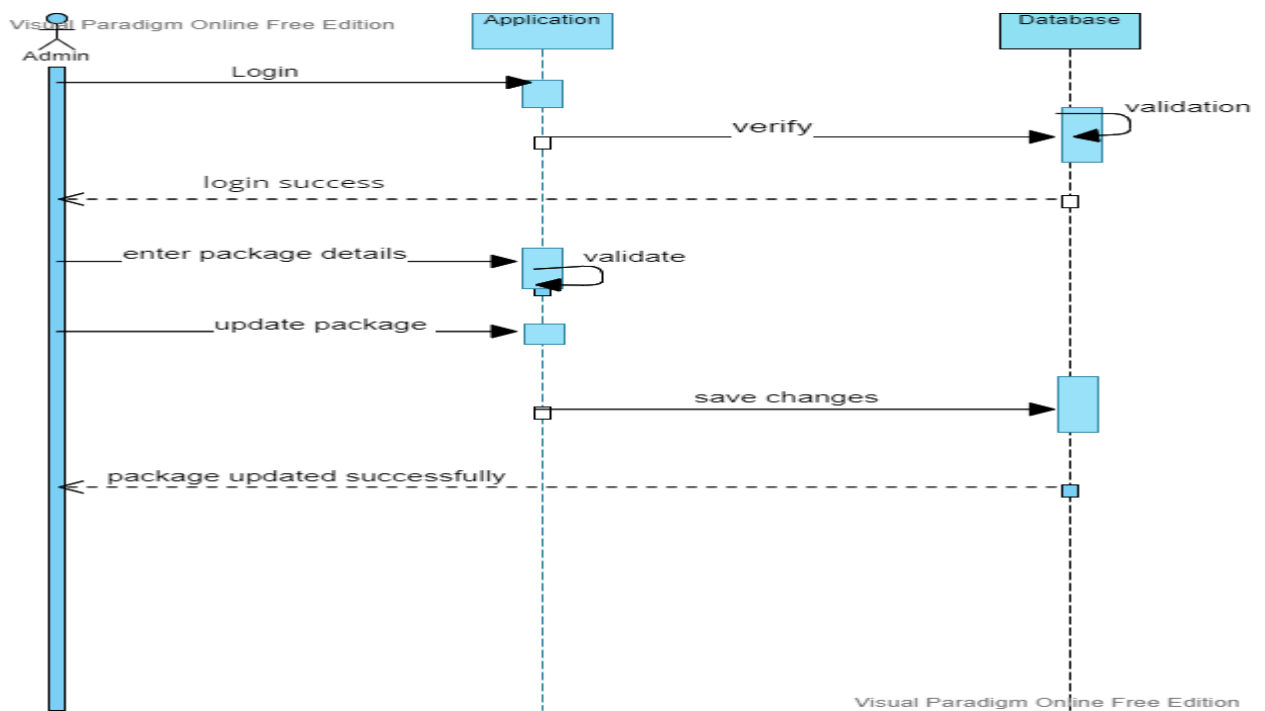
Figure 3.8: Update packages

3.4.6 Member can track his progress
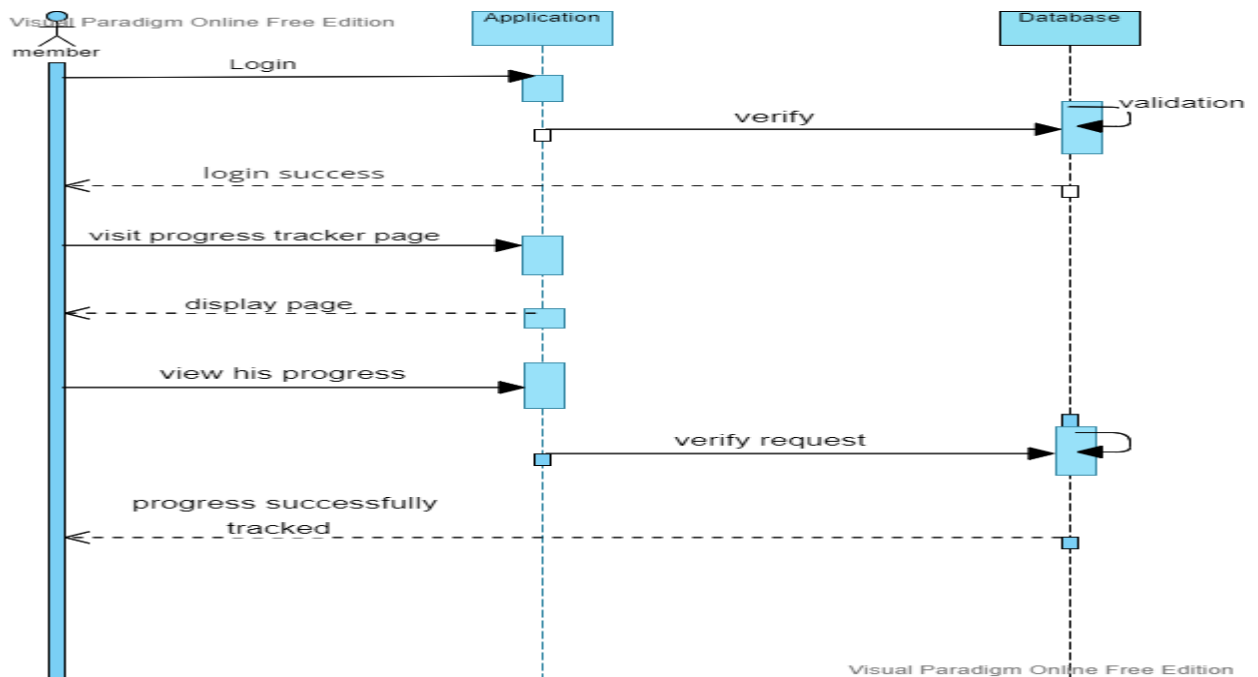
Figure 3.9: Track progress

3.4.7 Member can view package/Payment Details
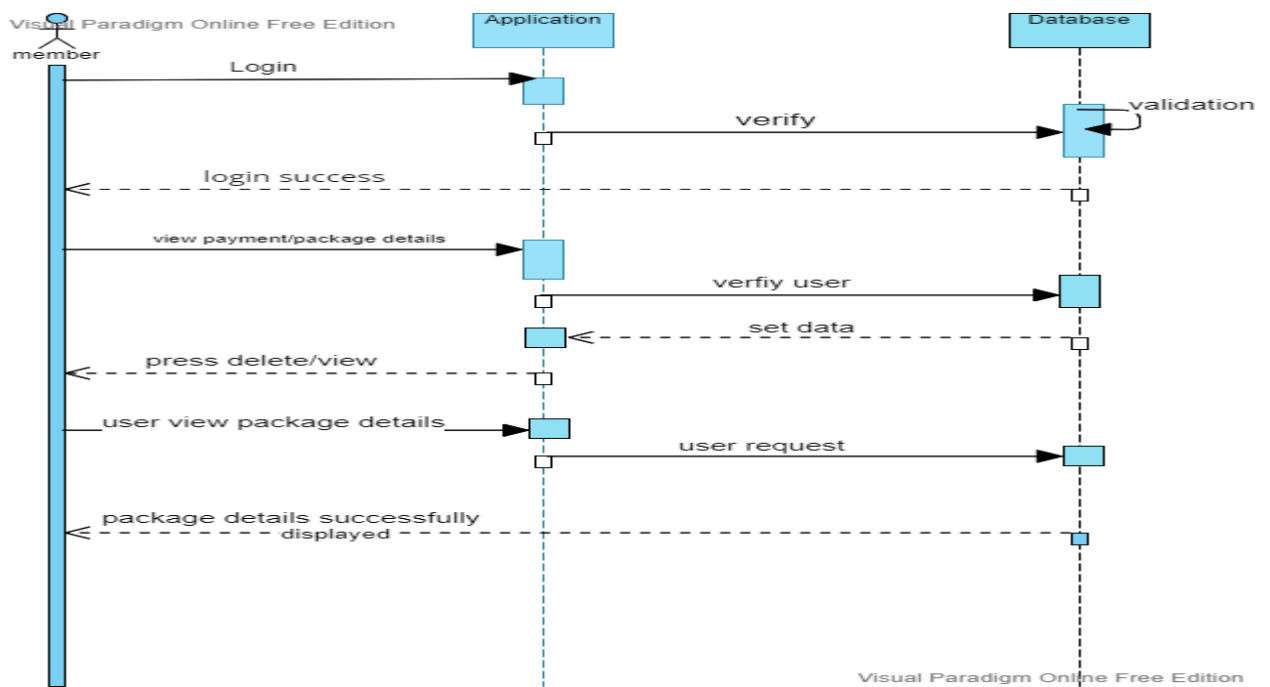
Figure 3.10: View package/payment details

3.4.8 Member can search/select trainer
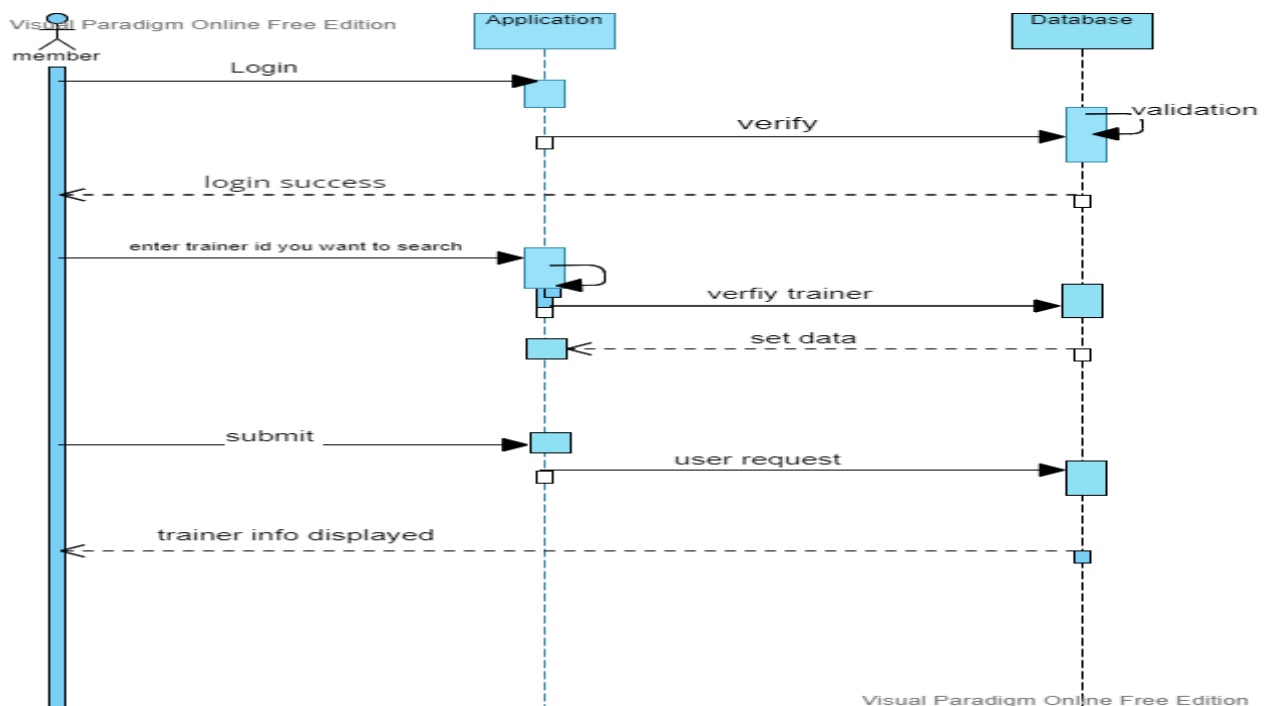
Figure 3.11: Select/search trainer

4 Development and Tools

4.1 Introduction:

This chapter includes development plan of how we contribute to our project and development tools which we use in design and development of our project. In last it concludes the whole project.

4.2 Development:

4.2.1 Tools and Technologies

Following tools and technologies are used in this project

	Name	Versions	Rationale
Tools	VS Code	1.73	IDE
	MS Word	2019	Documentation
	MS Visio	2016	Diagrams
	MS PowerPoint	2019	Presentation
	XAMPP	7.4.30	Local server
	MySQL	8.0	RDBMS
	Adobe XD	2019	Mockups creation
	MS Excel	2016	Design Traceability Matrix
Technology	PHP	8.1	Backend development
	HTML	5	Frontend development
	CSS	3	Frontend development
	Bootstrap	4 and 5	Frontend development
	SQL	2018	Query language

Table 4.1: Tools and Technologies

Above mentioned technologies were adapted in the project due to following reasons

- PHP, Apache, MYSQL is an open source platform. Therefore cost of purchasing software is minimal. XAMPP was used as the framework.
- A good benefit of using PHP is that it can interact with many different database languages including MySQL. Both PHP and MySQL are compatible with an Apache server which is also free to license. PHP can also run on Windows, Linux and Unix servers.
- PHP also has very good online documentation with a good framework of functions in place. This makes the language relatively easy to learn and very well supported online. There are countless forums and tutorials on various PHP methods and problems so it is usually very easy to find help if you need it.

4.3 System Implementation:

The purpose of project planning is to assure that the end result is completed on time and exhibits quality. In this process we implement our project plan.

- Requirements are very well documented, clear and fixed to us.
- We usually begin withdrawing ERD (Entity relationship Diagram). Through which we were be able to understand the entities relationship with each other.
- After that with the help of ERD we design the database.
- The next step is frontend design. We have three modules in our system (Admin, trainer, member). We make mockup design on Adobe XD. Now it is easy for us to implement the same design on our actual system using CSS and HTML. We are already familiar with the languages.
- Then we use JavaScript and bootstrap which is also a front-end development frameworks designed to help developers build websites faster, easier and more responsive. We adopt this technology in our project by taking help from video tutorials, internet and learning materials provided by programing websites. After that our frontend is fully designed and we have static website.
- We use PHP for the backend development. It is open source and general purpose server side scripting language used mainly in web development to create dynamic websites and applications.
- Firstly, we implemented PHP in Admin module then trainer module and at last Member module. Simultaneously we connected the database.
- After using PHP, our website is fully converted from static to dynamic.

4.4 User Interface

User interface is implemented using **CSS** and **HTML**. User Interface Design focuses on anticipating what users might need to do and ensuring that the interface has elements that are easy to access, understand, and use to facilitate those actions.

HTML stands for Hypertext Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the

link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages are human-readable. The language uses tags to define what manipulation has to be done on the text. HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format.

CSS stands for Cascading Style Sheets. It is used for adding style (e.g., fonts, colors and spacing) to Web documents. In the application CSS is mainly used in adding style to web interface.

4.5 Future Plan

This project is very efficient in its execution there still exists some scope of improvement in our project. The following lists some of the enhancement that can be added incorporate into the project. Application of the project can be done more attractively. Database management and all maintenance module can be updated which helps the administrator. More security measures can be taken. There are also few features which can be integrated with this system to make it more flexible. Below list shows the future points to be consider:

- Real-time Chat option for members and trainer, so that members can directly enquiry theirs trainer on any time through the Chat.
- Video conversation option for trainers and members
- By actively blogging, you can provide an added services to current and prospective members. Blog about topics such as nutrition, training tips, techniques, healthy lifestyle and recommended supplements to help member get the most out of training with you.

5 Quality Assurance

5.1 Introduction:

Our project is successfully developed. Functional testing is performed to check that the system meets the requirements stated earlier. The requirement traceability matrix is also given for each test case against functional requirement.

5.2 Traceability Matrix:

	Test Case ID	TC_1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-8	TC-9	TC-10	TC-11	TC-12	Total Test cases
Requirement														
Req-1		X												1
Req-2			X											1
Req-3				X	X									2
Req-4						X								1
Req-5							X							1
Req-6								X						1
Req-7									X					1
Req-8										X				1
Req-9											X			1
Req-10												X		1
Req-11													X	1

Table 5.1: Requirement Traceability Matrix

5.3 Test plan:

5.3.1   Test case for Member and Trainer Registration

Test ID	TC-01
Test name	Member and Trainer Registration
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Users must have to register their profiles to access application. They can register themselves by providing their username, email and password.
Input	Enter username, email and password.
Expected output	Register Successfully
Actual output	Register Successfully
Test Role (Actor)	Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.2: Test case for Member and Trainer Registration

5.3.2   Test case for Member and Trainer Login

Test ID	TC-02
Test name	Member and Trainer Login
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Only the authorized user can login to the system.
Input	Enter valid email and password.
Expected output	Login Successfully and user homesecreen will be displayed
Actual output	Login Successfully and user homesecreen will be displayed
Test Role (Actor)	Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.3: Test case for Member and Trainer Login

5.3.3   Test case for Admin Login

Positive Test case

Test ID	TC-03
Test name	Admin Login
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Only the authorized user can login to the system.
Input	Enter valid email and password.
Expected output	Login Successfully and admin homesecreen will be displayed
Actual output	Login Successfully and admin homesecreen will be displayed
Test Role (Actor)	Ali Haider
Test verified by	Umar Rashid (Supervisor)

Table 5.4: Positive Test case for Admin Login

Negative Test case

Test ID	TC-04
Test name	Admin Login
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Unauthorized user cannot login to the system.
Input	Enter invalid email and password.
Expected output	Login failed and redirect to login page.
Actual output	Login failed and redirect to login page.
Test Role (Actor)	Ali Haider
Test verified by	Umar Rashid (Supervisor)

Table 5.5: Negative Test case for Admin Login

5.3.4 Test case for Member can select trainer

Test ID	TC-05
Test name	Member can select trainer
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Member visit trainers page and view all the trainers. Member can select trainer of his choice.
Input	Member click on "select" below trainers profile
Expected output	Request should be submitted.
Actual output	Request is submitted.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.6: Test case for Member can select trainer

5.3.5 Test case for Member can view and reserve Equipment's

Test ID	TC-06
Test name	Member can view and reserve equipment's.
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Member can view all the available equipment's. Member can reserve them.
Input	Member click on "reserve equipment" on equipment's page.
Expected output	Member selected equipment should be reserved.
Actual output	Member selected equipment is reserved.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.7: Test case for Member can view and reserve Equipment's

5.3.6 Test case for Member can add his exercise record

Test ID	TC-07
Test name	Member can track his progress record
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	After exercise, member input the exercise details and how much weight he lift.
Input	Member input the date, total weight, repetitions and add description of exercise.
Expected output	Record should be submitted
Actual output	Record is submitted.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.8: Test case for Member can add his exercise record

5.3.7 Test case for Member can rate trainers

Test ID	TC-08
Test name	Member can give rating to trainers
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Member can give feedback and rate the trainers.
Input	Member input his name, email, feedback and rating.
Expected output	Feedback should be submitted.
Actual output	Feedback submitted successfully.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.9: Test case for Member can rate trainers

5.3.8 Test case for trainer can mark attendance

Test ID	TC-09
Test name	Trainer can mark attendance.
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Trainer can marks attendance of members
Input	Trainer input name, email, and click on present.
Expected output	Attendance should be marked
Actual output	Attendance is marked successfully.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.10: Test case for trainer can mark attendance

5.3.9 Test case for trainer can add schedule

Test ID	TC-10
Test name	Trainer can share schedule
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Trainer can share schedule with members
Input	Trainer input his name, session, total fees and specification and click ok.
Expected output	Schedule should be added.
Actual output	Schedule is added successfully.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.11: Test case for trainer can add schedule

5.3.10 Test case for Admin can update packages

Test ID	TC-11
Test name	Admin can update packages
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Admin can update all the packages available in the system for members.
Input	Admin input package name, fee, description and click on update
Expected output	Package should be updated
Actual output	Package is updated successfully.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.12: Test case for Admin can update packages

5.3.11 Test case for Admin can edit/delete info of member/trainer

Test ID	TC-12
Test name	Admin can edit information of member/trainer.
Date of test	8/12/2022
Name of application	Fitness Club Handling System
Description	Admin can edit the information of member and trainer in the system.
Input	Admin click on "edit" on all user info page.
Expected output	Info edited successfully.
Actual output	Info edited successfully.
Test Role (Actor)	Ali Haider and Muhammad Nouman Akram
Test verified by	Umar Rashid (Supervisor)

Table 5.13: Test case for Admin can edit/delete info of member/trainer

CONCLUSION

The "Fitness Club Handling System" is successfully designed and developed to fulfilling the necessary requirements, as identified in the requirements analysis phase, such as the system is very much user friendly and performing very efficiently. While developing this project we have learnt a lot about HTML/CSS/JS/PHP/MySQL and working with database management. We also realized the importance of maintaining a minimal margin for errors.

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