

## **BIS Graduation Project**

# **Club activities**

**PROJECT NO ( 8 )**

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## CHAPTER ONE INTRODUCTION

### 1.1 Introduction [System overview]

[Club activities]

It is a web application that provides all club activities, and connect Customers with Several Activities in Several Clubs

### 1.2 Project Background

It is an application that provides all clubs activities to practice by reservation or to benefit from them by taking courses in them, the activities are divided into gym, Swimming, tennis, Horse Riding and Archery, people take them for entertainment or Courses.

### 1.3 Problem definition:

#### **What makes you think there is a problem?**

People face a problem in clubs that the number is complete in the gyms, or the club is not equipped with many devices, or the problem of learning in the club, or cannot find the suitable club, but lack of confidence, so we made a web application that supports all activities in Several clubs to help people in Training and benefit of time.

#### **What has changed from previous systems?**

#### **In previous systems we find**

- Lack of funds
- Low energy level
- Small budget

**But in that web application we worked on solving the problem**

### Does this system serve the people?

Yes, it serves the people as it provides all clubs activities to practice by reservation or to benefit from them by taking courses in them, the activities are divided into gym, Swimming, tennis, Horse Riding and Archery, people take them for entertainment or Courses

- The system allows people to choose among clubs and their activities by booking or taking a course in it.
- The system allows people to book any of the following activities: gym, tennis, archery, horseback riding, fitness, body building.

We work to meet the customer's desires to save his time and effort

#### 1.4 literature review:

##### 1. CrossFit

This, of course, is the homepage for the fitness revolution known as CrossFit. As you would expect, it offers information on how to find a CrossFit box (as they are known), but it also provides info on CrossFit exercise routines you can do at home. Get your WOD on.

**Advantage: CrossFit is for training, offers several training programs online.**

**Disadvantages: CrossFit is only online application it doesn't tell you the places of Clubs or show you their activities, but Club activities shows you the clubs, their activities. Locations, and prices.**

##### 2. Planet Fitness

This website promotes the gym, but it also contains a wide array of information on how people can stay in shape. For example, in the middle of the coronavirus outbreak, the website shifted to "bring the gym to you." As is part of the Planet Fitness mantra, it contains information for beginners, including a section on someone's first workout.

**Advantages: it includes all bodybuilding and fitness related information.**

**Disadvantages: it doesn't include the physical GYM Places or online booking feature, it also operate outside Egypt, but we do both inside Egypt and tell you about the club.**

##### 3. Livestrong

Livestrong has an incredible wealth of information on exercises, health care, physical health,

mental health and more. It is updated multiple times a day and comes complete with great forums and up-to-date information about fitness trends that are relevant in today's world.

**Advantages:** Livestrong tells you about how to manage your weight and nutrition tips.

**Disadvantages:** it doesn't include information about booking Clubs and it operate outside Egypt.

#### 4. LA Fitness

Yes, the LA Fitness

website is somewhat self-promotional, but that doesn't stop them from offering great fitness advice. The information on this website includes specifics on how you can make the most out of any gym membership. Furthermore, the tips on this website can also help you get more comfortable with gym equipment.

**Advantages:** they launch a web and mobile application that offers fitness advices and gym equipment.

**Disadvantages:** they aren't operate in the Egyptian market, and they doesn't tell you information about related service clubs.

All These Applications are not operating In Egypt, So we will be the first Club Activities for booking and informing the client in Egypt..

### **1.5 Project Objectives:**

Through the application, the customer can select among clubs their activities and book any activity from them or take a course for learning or luxury, and the goal is to help people benefit from their time by providing all the activities in the club..

### **1.6 Project Features:**

A flexible web application with an easy GUI which provide Large data about all Clubs in Egypt and their activities like Tennis, GYM, Archery, Swimming.

-The Application Facilitates the process of searching or booking the nearest and the best club or club activity.

-The System allows the Clubs to register and add their activities, prices plans, offers and promotions, also if there are available Clubs assets such as playgrounds and swimming pools, they can offer it for rent for private academies via our application.

The system contains membership offers and prices for all clients who visit the application.

-Clients Can view and Book an individual activity or Club Membership and pay partly online.

for clients they can book any activity on any club for one of 2 reasons:

1-for Training [Courses]

2-Entertainment

-The System allows the Private trainers/Academies to view Clubs Assets such as playgrounds and pools which are available for rent and then book it via our application

### 1.7 System Users:

#### Client

- ✓ **View club activities**
- ✓ **Book Club Membership or Club Activity For Fun or Course**
- ✓ **Pay Online**

#### Club

- ✓ **Add all club activities and its availability.**
- ✓ **Add Subscription Package**
- ✓ **View Booking**
- ✓ **Add Swimming Pool or Playground for Rent to Private trainers and academies.**
- ✓ **Add Activities Details**
- ✓ **Add Club Details.**

#### Private Trainer / Academy

- ✓ **Add Games Data**
- ✓ **Add time Data**
- ✓ **View & Book Rent Data**

## 1.8 system requirements:

### 1.8.1 Hardware:

- Laptops
- Internet Connection (ADSL at least 1MB)

### 1.8.2 Software:

- Windows 10
- Xampp
- Visual Studio Code
- Adobe XD
- Photoshop
- Browsers

## 1.9 System boundaries:

### Tasks:

- 1- Understanding the project and gathering information. (4persons)
- 2- System analysis. (4 persons)
  - I. use case diagram
  - ii. Sequence diagram
- 3- System design: (4 persons)
  - i. Activity diagram    ii. Interface.
  - iii. ERD (Entity Relationship Diagram)
- 4- System implementation. (4 persons)
- 5- System testing. (4 persons)
- 6- Documentation (4 persons)

### 1.10 Methodology & Time Plan:

The methodology we will follow is hybrid from of the structured system analysis and design methodology (SSADM).

The SSADM is an open methodology based on the waterfall model.

#### How we follow structured system analysis and design method (SSADM)?

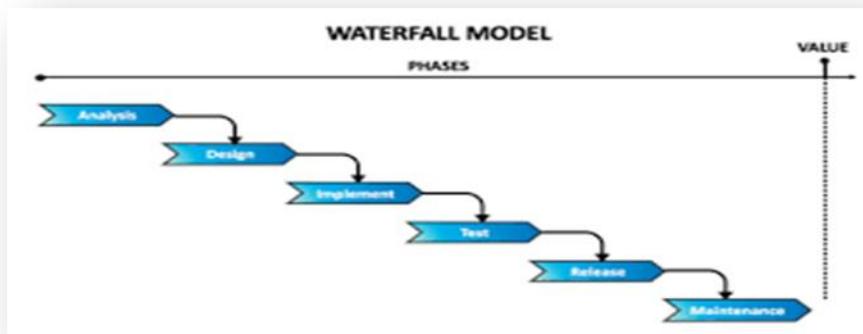
1. Feasibility study.
2. Requirement analysis.
3. Requirement specification.
4. Logical system specification.
5. Physical design.

**We use SSADM which is a system approach for the analysis and design of information system. Also, we found that it is the most suitable methodology for our project because:**

1. The stability of requirement such that there are no critical changes in the requirement of the project.
2. The process of identifying, modeling and documenting how data moves around an information system. Data flow modeling (Diagram) examines process (activities that transform data from one form to another; data stores (the holding areas for the data), external entities (what sends data into the system or receives data from a system) and data flows (routes by which data can flow).

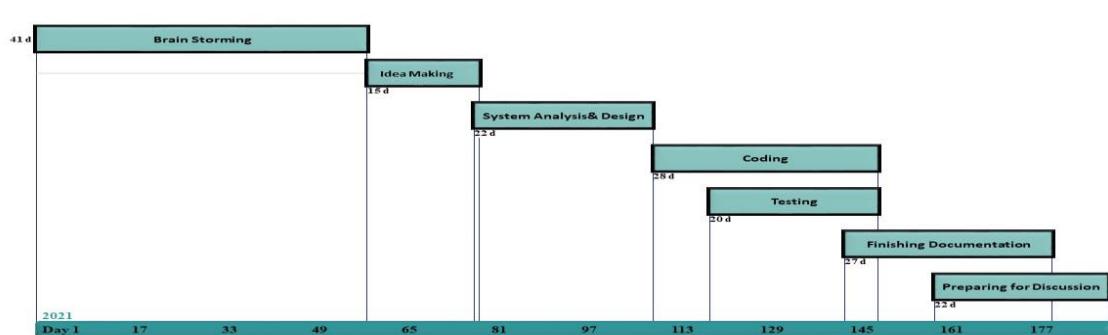
#### 1.10.1 Life Cycle Models:

We use water fall model but with some modification about validation and verification in every phase



Life Cycle Model - Waterfall Model.

#### 1.10.2 Time Plan:



[Gantt chart]

### 1.11 System Tools:

#### Techniques used in development:

1. MySQL.
2. Php programming language.
3. Photo Shop (For the design creation).
4. E-Draw Max (For designing processes models).
5. Microsoft office 2010.

**MySQL:** Pronounced either "My S-Q-L" or "My Sequel" is an open source relational database management system. It is based on the structure query language (**SQL**) which is used for adding, removing, and modifying information in the database. Standard SQL commands, such as **add**, **drop**, **insert**, and **update** can be used with MySQL.

MySQL can be used for a variety of applications, but is most commonly found on **Web servers**.

A website that uses MySQL may include Web pages that access information from a database. These pages are often referred to as "**Dynamic**," meaning the content of each page is generated from a database as the page loads. Websites that use dynamic Web pages are often referred to as database-driven websites.

Many database-driven websites that use MySQL also use a Web scripting language like **PHP** to access information from the database. MySQL commands can be incorporated into the PHP code, allowing part or all of a Web page to be generated from database information. Because both MySQL and PHP are both open source (meaning they are free to download and use), the

PHP/MySQL combination has become a popular choice for database-driven websites.

### **Benefits:**

- 1- Standards Based, Open Source database allows vendors and users of subscriber data management solutions to easily integrate their applications with MySQL Carrier Grade Edition using their preferred database-independent Subscriber API, e.g.: **SQL, C++, Java, HTTP** etc.
- 2- High Performance with a Shared-Nothing, distributed database that provides real-time access to in-memory subscriber data with just a few milliseconds latency for reads and writes, and can be scaled out by adding additional resources or by storing data on disk.
- 3-Lowest Total Cost of Ownership accomplished through the use of the MySQL database server and scale-out architectures that utilize low-cost commodity hardware.

### **2. Php programming language:**

**PHP programming language:** is a general-purpose server-side scripting language originally designed for Web development to produce dynamic Web pages. It is one of the first developed server-side scripting languages to be embedded into an HTML source document rather than calling an external file to process data.

### **Benefits:**

#### **1-Easy To Read:**

PHP is preferred among users because it is easy to read and understand. Many programming languages are complex and intimidating to new users while PHP is organized, clean, and fluent. PHP documents do not have to necessarily be in any order which allows for users to quickly add new functions whenever they want without having to make sure that the new code is in the correct place. This is excellent for users who have long scripts for many of their pages, especially for style sheets and reference document

## 2-Easy To Edit:

**PHP** is also easy to edit as a user is able to quickly scan a PHP document for the code that they are looking for and change it to suit their needs. Many other programming languages require that you change multiple functions within several documents in order to do the same thing that PHP can. PHP documents can also be easily integrated into a collection of other PHP documents or individual PHP commands. This allows for users to take full advantage of their programming skills and computer experience as they can write their own PHP scripts and extensions without having to handle a large amount of file cleaning.

## 3-More Control:

**PHP** offers more control over web browsers than other programming languages do. Many other programming languages require large scripts to do simple tasks while PHP can do the same thing with a few lines of code. PHP allows users to design web pages to their exact specifications and it can even be used alongside other programming languages to perform a wider variety of tasks. When using PHP, the user can stop focusing on programming and concentrate more on designing their website.

## 4-Better Performance:

**PHP** has better performance ratings than other programming languages do. PHP is fast, efficient, and works great in almost any web browser as well as integrating into almost any server. user is able to add a few lines of code to a PHP document, click save, and watch their website transform into a more powerful and more organized version of itself. PHP documents are high in demand because they compete with almost all other programming languages available. PHP is also quickly growing in its capabilities and offers more features as well as better operating standards every day.

### **5-PHP Is Free:**

Another reason that **PHP** is preferred among users is that it is entirely free. While many other programming languages require that the user obtains expensive programs and pays for support files, PHP is open to anyone, anywhere, and any time. A beginner in PHP does not have to worry about finding support for their interest in programming and web design as there is an entire online community dedicated to assisting others in PHP manipulation and implementation. PHP is also aided by many large companies that contribute to its success on a daily basis.

### **6-PHP Is Widely Available:**

As **PHP** has become such a success on the open market, it is very difficult to come across a web server that does not support PHP development. Users can also take satisfaction in that both individual PHP tags as well as entire PHP documents can be found on the Internet at no cost. Thousands of these predefined PHP commands are available around every virtual corner and even those predefined documents can easily be edited to suit the user's unique needs.

### **3. Adobe Photoshop:**

**Adobe Photoshop:** is a graphics editor that is one of the most popular programs for image manipulation. It is used widely by graphics professionals for all sorts of tasks including website design.

#### **Benefits:**

- 1- Gives users the ability to alter photographs.
- 2- They can be altered to fix faults such as red eyes as something in the background which is unwanted.
- 3- The colours can be altered slightly to make the photograph more attractive or appealing and standards can be achieved that cannot be achieved in real life.
- 4- Photographs can be given an extremely professional look, even when a standard camera is used.

- 5- People's faces can be touched up to remove spots or shine and things can be added into the photo to enhance the photo.
- 6- Special effects can be created to add interest and a unique picture and the overall quality can be improved.

#### 4. E draw max:

**E-draw Max:** is an all-in-one diagram software that makes it simple to create professional looking flowcharts, organizational charts, network diagrams, business presentations, building plans, mind maps, science illustration, fashion designs, UML diagrams, workflows, program structures, web design diagrams, directional maps, database diagrams and more.

#### Benefits:

- 1- Use the diagramming software that best maps to what you know and where you're headed.
- 2- Fully vector-based graphic software, which facilitates the rapid creation of flowcharts, organizational charts, network diagrams and more.
- 3- Supports to import the exists Visio XML file perfectly.
- 4- Just drag the build-in shapes from the library pane and drop them on your page. Drawing couldn't be easier!
- 5-Creates professional-looking diagrams quickly with themes, effects and quick styles.
- 6- Gain greater productivity in diagramming with features like automatically aligns and arranges all shapes.
- 7- Includes lots of high-quality shapes, examples and templates.
- 8- Distinct colours, fonts, shapes, styles, pictures, text, and symbols are available for each diagram object.

- 9- Easily visualize complex information with a wide range of diagrams. Make those diagrams even smarter and more useful by linking them to underlying data, which provides a more complete picture of the system or process.
- 10- Works with MS Office well. It can be integrated with Microsoft Office application easily. The UI is MS Office-style like, it's easy to learn and use. If you are familiar with MS Office, you are familiar with E-draw quickly.
- 11- Generics graphic formats support.

#### 5- Microsoft office 2010:

**Microsoft Office:** Microsoft's flagship suite of desktop business applications for Windows and Mac, included **Word** (word processing), and **PowerPoint** (presentations).

#### Benefits:

- 1-Create visually compelling documents more easily than ever.
- 2-Save time and simplify your work.
- 3-Work together more successfully.

#### 1.12 System Languages:

##### -HTML:

HTML is the standard markup language for creating Web pages. HTML stands for Hyper Text Markup Language. HTML describes the structure of Web pages using markup. HTML elements are the building blocks of HTML pages. HTML elements are represented by tags.

##### -HTML5:

HTML 5 is a software solution stack that defines the properties and behaviors of web page content by implementing a markup based pattern to it. HTML 5 is the fifth and current major version of HTML, and subsumes XHTML

#### -CSS:

Cascading Style Sheets (**CSS**) is a style sheet language used for describing the presentation of a document written in a markup language like HTML.

-**CSS3**: is the latest evolution of the Cascading Style Sheets language

#### -PHP:

Hypertext Preprocessor is a general-purpose programming language originally designed for web development.

#### -JavaScript:

JavaScript, often abbreviated as JS, is a high-level, interpreted programming language that conforms to the ECMAScript specification.

#### -Bootstrap 4:

Is the newest version of **Bootstrap**, which is the most popular HTML, CSS, and JavaScript framework for developing responsive websites?

#### -JQUERY:

JQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License. As of May 2019, jQuery is used by 73% of the 10 million most popular websites.

## CHAPTER TWO BUSINESS MODEL

### 2.1 Executive Summary

Name of business Club activities

Legal form General Partnership [GP]

Contact address El Tayran Street Nasr City

Mobile: +2-01127959773 E-mail support@club-activities.com

Type of business Service Provider

Manufacturer  Service provider  Wholesaler  Retailer

## 2.2 Brief description of the business idea

- It is a web application that provides all club activities, and connect Customers with Several Activities in Several Clubs
- It is an application that provides all clubs activities to practice by reservation or to benefit from them by taking courses in them, the activities are divided into gym, Swimming, tennis, Horse Riding and Archery, people take them for entertainment or Courses

### The project solves a lot of problems like

People face a problem in clubs that the number is complete in the gyms, or the club is not equipped with many devices, or the problem of learning in the club, or cannot find the suitable club, but lack of confidence, so we made a web application that supports all activities in Several clubs to help people in Training and benefit of time

**Owner(s)****(Name, Address, Qualification, Function in the business, Relevant experience)*****Mariam Ahmed Tarek Abdelmoniem Kamel***

**Job:** Accountant determine tax strategies that defer, minimize, or eliminate tax payments, and arrange audits with taxation authorities..

**Qualifications:** Advanced knowledge of accounting topics, skills and techniques Computational and technology skills, including proficiency in accounting software Enhanced quantitative skills and techniques Awareness of generally accepted accounting principles (GAAP)

***Manar Ehab Ebrahim Mohamed Mohamed Diab***

**Job:** Market research analyst study market conditions to examine potential sales of a product or service

**Qualifications:** Microsoft Advertising Certification. Google Analytics Individual Qualification..

***Merna Roshdy Sayed Reyad***

**Job:** human resources assistant (HR assistant) supports a company's or organization's human resources specialist or specialists

**Qualifications:** Communication skills HR reporting skills Teamwork.

***Nadeen Tarek Mokhtar Tawfeek El Hosary***

**Job:** Computer programmer design, develop and test software and ensure software adheres to best practices in performance, reliability and security

**Qualifications:** IT course Adaptability Initiative

**Number of jobs to be created** 4 jobs

**Start-up capital**

**Investment** EGP 370,000

**Working capital** EGP 375,000

**Total** EGP 745,000

**Source of capital**

**Own savings** \_\_\_\_\_

**Partner** EGP 205,000

**Family loan** EGP 540,000

**Bank loan** \_\_\_\_\_

## 2.3 Business Idea and Market

### Description of the business idea

(e.g. identified needs, who are the customers, type of products or services to satisfy the needs, how to reach the customers, etc.)

- Through the application, the customer can select among clubs their activities and book any activity from them or take a course for learning or luxury, and the goal is to help people benefit from their time by providing all the activities in the club.
- The system allows people to choose among clubs and their activities by booking or taking a course in it.

The system allows people to book any of the following activities: gym, tennis, archery, horseback riding, fitness, body building.

### Description of the market

(e.g. geographical area, town, type of customers, size of total market, description of competitors, market share for the new business, etc.)

- Our business Will operate in Egypt serving all clubs and clubs Users/Members Located in Egypt.
- Our targeted Segment are all club users who want to book a membership for clubs or just book activity on a club.
- We also targeting all private trainers/academies who want to book an asset such as swimming pool or playground from clubs

## Existing competitors:

Growing your business without having the rivals to realize it is risky. Market research will prepare you for the changes in the market and prevent competition from abandoning your company.

Here are some applications in more sites similar to our idea are:

### **1. CrossFit**

This, of course, is the homepage for the fitness revolution known as CrossFit. As you would expect, it offers information on how to find a CrossFit box (as they are known), but it also provides info on CrossFit exercise routines you can do at home. Get your WOD on.

### **2. Planet Fitness**

This website promotes the gym, but it also contains a wide array of information on how people can stay in shape. For example, in the middle of the coronavirus outbreak, the website shifted to “bring the gym to you.” As is part of the Planet Fitness mantra, it contains information for beginners, including a section on someone’s first workout.

### **3. Livestrong**

Livestrong has an incredible wealth of information on exercises, health care, physical health, mental health and more. It is updated multiple times a day and comes complete with great forums and up-to-date information about fitness trends that are relevant in today’s world.

### **4. LA Fitness**

Yes, the LA Fitness

website is somewhat self-promotional, but that doesn’t stop them from offering great fitness advice. The information on this website includes specifics on how you can make the most out of any gym membership. Furthermore, the tips on this website can also help you get more comfortable with gym equipment

Such websites and mobile apps provide all the services offered by our website, but each of these websites provides a specific service, not all services in a single web app, but our web app provides all club activities, and connects Customers with Several Activities in Several Clubs.

In our web application you can find

### **Client**

- ✓ **View club activities**
- ✓ **Book Club Membership or Club Activity For Fun or Course**
- ✓ **Pay Online**

### **Club**

- ✓ **Add all club activities and its availability.**
- ✓ **Add Subscription Package**
- ✓ **View Booking**
- ✓ **Add Swimming Pool or Playground for Rent to Private trainers and academies.**
- ✓ **Add Activities Details**
- ✓ **Add Club Details.**

### **Private Trainer / Academy**

- ✓ **Add Games Data**
- ✓ **Add time Data**
- ✓ **View & Book Rent Data.**

## 2.4 Marketing Plan Product

### Detailed description of the ads or service

Details/Service	1-Club Subscription	2- Asset Booking
Description	For clubs in order to be listed in our application and post membership For clients, each club pay us a monthly subscription for being listed in our application.	On each asset rental from private/trainer or academy we take an extra commission per booking from the club.
Type of fees	Subscription	Commission
Duration	Monthly	Per time
My price	EGP 5,000 [Average]	EGP 1,000
Reasons for setting my price	To Meet Customer Needs	To Meet Customer Needs

## 2.5Marketing Plan Place

### Location of the business

- Description of the planned location for the business

-Owned Apartment in El Tayran Street Nasr City

- Reason for choosing this location

- This place is close to many clients and draws them to our services

### Reaching the customers by selling to

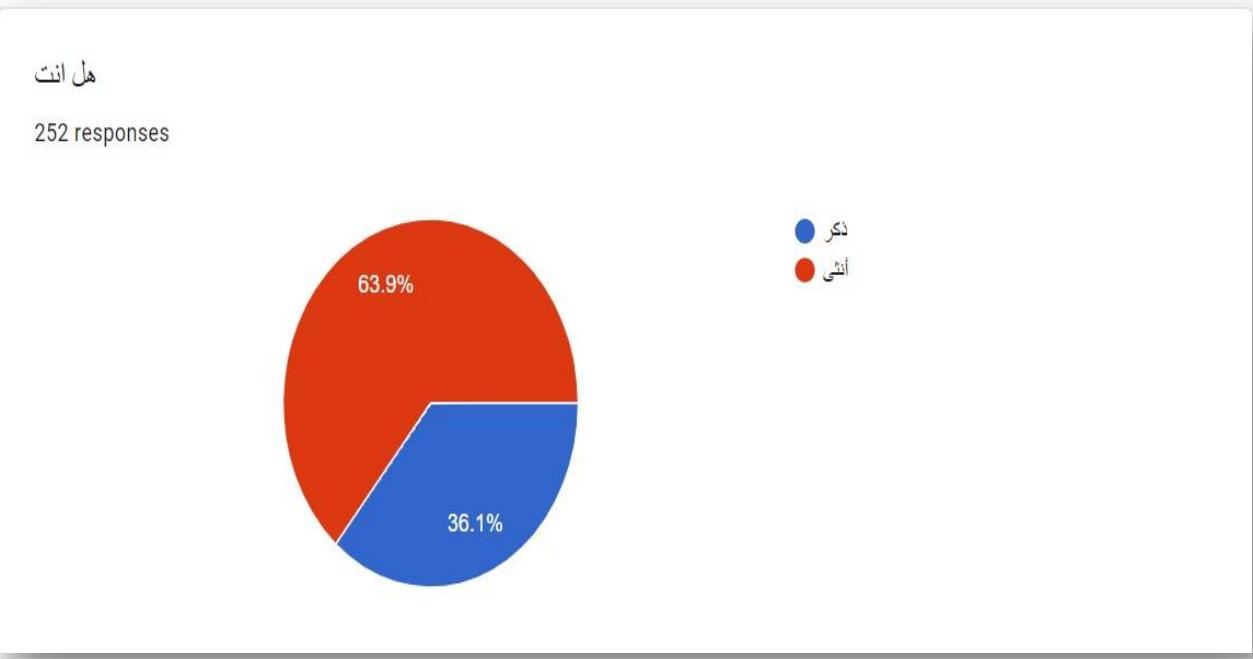
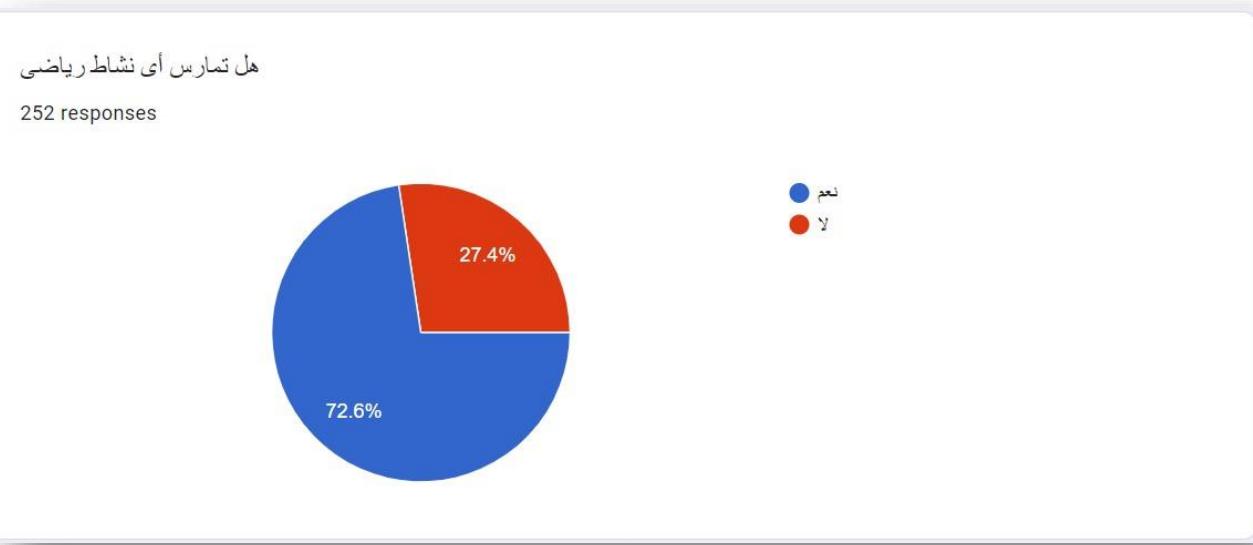
Individuals    Organization    employers    Others

### Reason for choosing this way of distribution

To serve our Clients and Trainers.

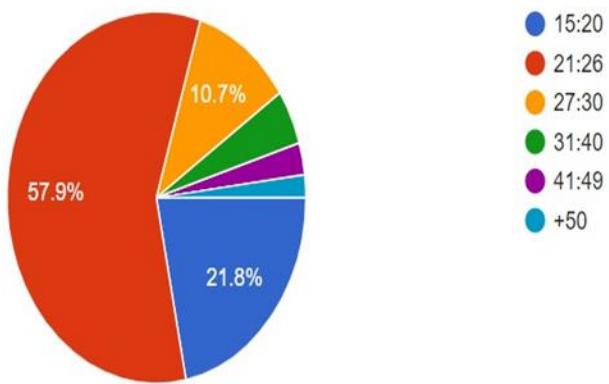
## 2.6 Marketing Research and survey

We've got 252 responses on our survey and here's our questions and the answers



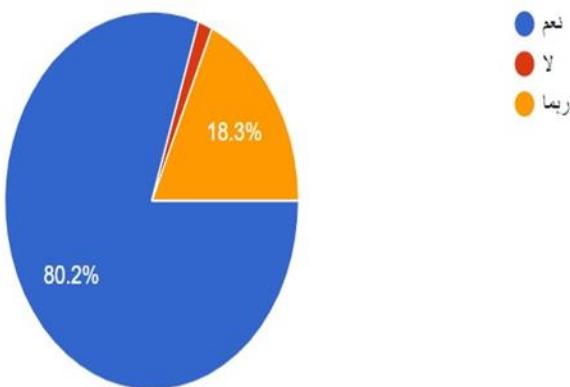
ما عمرك

252 responses



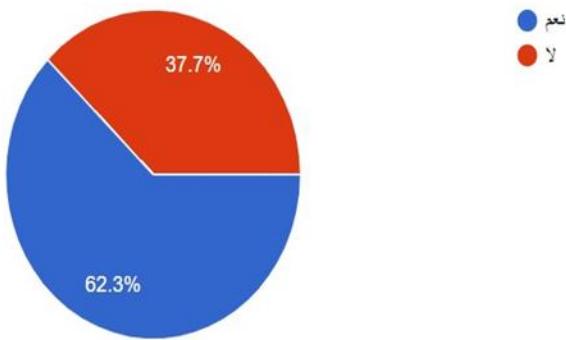
إذا قمنا بعمل موقع إلكتروني لحجز كافة الأنشطة الرياضية هل سيكون مفيداً لك

252 responses



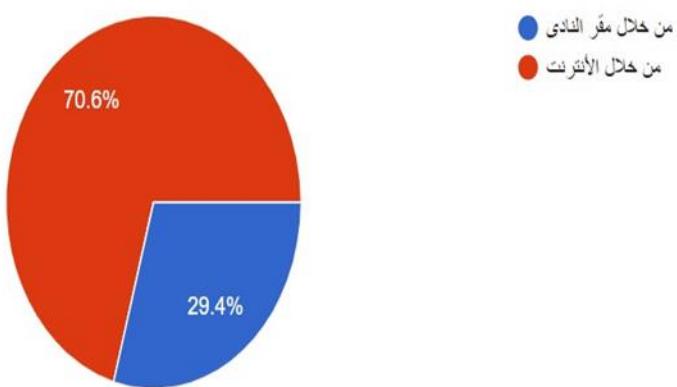
عندما تقوم بحجز نشاطك الرياضي هل تواجه صعوبات في حجز المواعيد

252 responses



بأى وسيلة تحب أن تحجز النشاط الذى تمارسه

252 responses



## 2.7 Marketing Plan Promotion

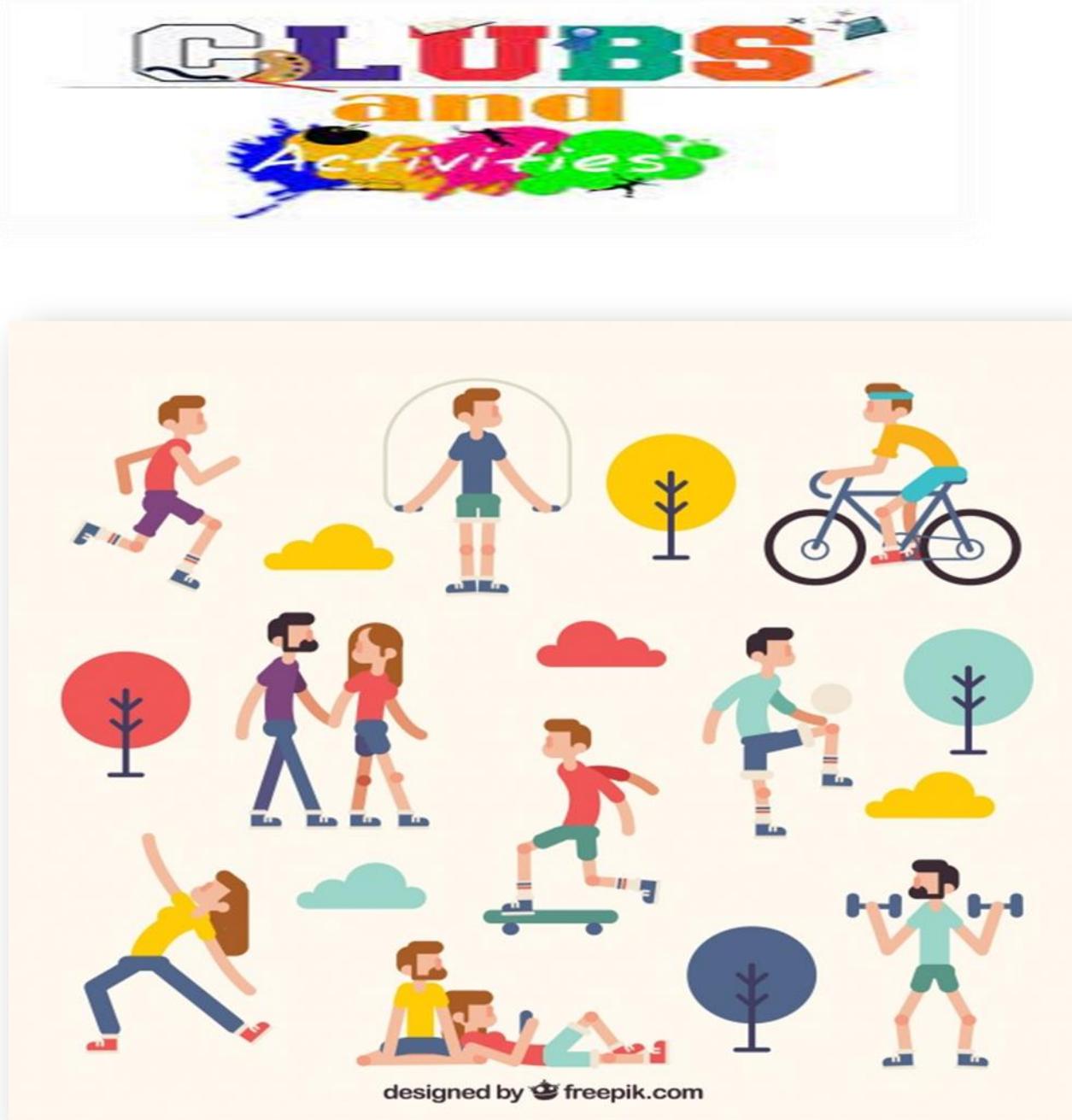
### Start-up promotion

Our Start up promotion will be 4 months containing our AD, link and data on YouTube and offline.

PLANNED Marketing Campaign Cost

place	Ad Cost/ Month	AD Cost per 4 Months
YouTube	7,000	28,000
Offline	8,000	32,000
Total Ads Cost	<b>15,000</b>	<b>60,000</b>

- Here's a Sample of our Start-Up promotion and Advertising Campaign







## 2.8 Legal Form

The legal form of the business will be: A General Partnership

Reason for choosing this legal form:

- The business risk is diversified among the partners which motivates the owners to be more aware of the work done and lower the errors and risks into minimal.
- The partnership helps in processing new and diversified ideas and brainstorming which support the continuity of productivity and higher the chances of success and survival.
- The partnership agreement template defines the roles and contributions of the partners
- The agreement for partnership includes terms for how profits will be divided, the responsibilities of the partners, how to manage the partnership, & how decisions will be made.
- A buy-sell agreement is used to control what happens to the business partnership ownership & management if a partner sells their share, resigns, dies, or becomes incapacitated in the future.
- Partnerships can offer tax advantages by allowing income to be taxed at the partner's individual tax rate, rather than corporate rates.

## 2.9 Start-Up Capital

Estimation of start-up capital [EGP]	Amount [EGP]
<b>INVESTMENT</b>	
<b>Apartment</b>	300,000
<b>Furniture</b>	35,000
<b>Equipment</b>	35,000
Total Investment	<b>370,000</b>
Working Capital	
<b>12 Months Salaries</b>	216,000
<b>4 Months of marketing campaign</b>	60,000
<b>Bills</b>	40,000
<b>Server</b>	33,000
<b>Domain</b>	26,000
Total working Capital	<b>375,000</b>
<b>TOTAL START-UP CAPITAL</b>	<b>745,000</b>

### Specification of investment items

Investment item	Specification	Price [EGP]
<b>Apartment</b>	2 rooms + bathroom + reception	300,000
<b>Furniture</b>	Offices, chairs, carpets, office glasses	35,000
<b>Equipment</b>	Laptops and pcs used for the staff	35,000
<b>TOTAL ACQUISITION COSTS</b>		<b>370,000</b>

## Sources of Start-Up Capital

### Sources of funding

Type	Source	Conditions (Duration/interest)	Amount
Equity capital	✓Partners	EGP 51,250 of each partner to build the start up with 0 interest	<b>205,000</b>
Loan 1	✓Family	6years family Loan with 0% interest rate and the first instalment will be in the second year of operation.	<b>540,000</b>
<b>TOTAL FUNDING</b>			<b>EGP 745,000</b>

## 2.10 Organization and Staff

### Organization of the business

#### Staff requirements

Job: Accountant determine tax strategies that defer, minimize, or eliminate tax payments, and arrange audits with taxation authorities

Qualifications: Advanced knowledge of accounting topics, skills and techniques Computational and technology skills, including proficiency in accounting software Enhanced quantitative skills and techniques Awareness of generally accepted accounting principles (GAAP)

Job: Market research analyst study market conditions to examine potential sales of a product or service.

Qualifications: Microsoft Advertising Certification. Google Analytics Individual Qualification

Job: human resources assistant (HR assistant) supports a company's or organization's human resources specialist or specialists.

Qualifications: Communication skills  
HR reporting skills  
Teamwork.

Job: Computer programmer design, develop and test software and ensure software adheres to best practices in performance, reliability and security

Qualifications: IT conversion course  
Adaptability  
Initiative

## 2.11vBusiness Operation and Costs

Planning is based on the monthly sales plan

### Business Operation and Costs

#### Monthly Sales Plan

All products, product range or services

Month		1	2	3	4	5	6	7	8	9	10	11	12
Club	Price/month	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Subscription	Quantity	5	7	9	11	13	14	15	16	17	18	19	20
	Turnover												
		25,000	35,000	45,000	55,000	65,000	70,000	75,000	80,000	85,000	90,000	95,000	100,000
Asset Booking	Price/book	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Quantity	2	5	10	12	16	18	20	22	25	28	30	32
	Turnover												
		2,000	5,000	10,000	12,000	16,000	18,000	20,000	22,000	25,000	28,000	30,000	32,000
All Products	Total turnover	27,000	40,000	55,000	67,000	81,000	88,000	95,000	102,000	110,000	118,000	125,000	132,000

## Monthly Operational Cost Plan

All products, product range or services

### Monthly Operational Cost Plan

Planning is based on the monthly sales plan

Month	1	2	3	4	5	6	7	8	9	10	11	12
Marketing	15,000	15,000	15,000	15,000								
salaries	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
Bills	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333
Server	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750
Domain	2,166	2,166	2,166	2,166	2,166	2,166	2,166	2,166	2,166	2,166	2,166	2,166
= total operation	<b>41,249</b>	<b>41,249</b>	<b>41,249</b>	<b>41,249</b>	<b>26,249</b>							

## Cash Flow Plan

### Monthly cash flow plan

## Cash Flow Plan

### Monthly cash flow plan

Month	Pre-Operation	1	2	3	4	5	6	7	8	9	10	11	12
Cash beg of the month	0	31,250	48,251	78,252	123,253	180,254	266,255	359,256	459,257	566,258	681,259	804,260	934,261
+ Equity													
	205,000												
+ Loan	540,000												
+ Sales		27,000	40,000	55,000	67,000	81,000	88,000	95,000	102,000	110,000	118,000	125,000	132,000
+ Any other													
I: Total Cash in	<b>745,000</b>	<b>58,250</b>	<b>88,251</b>	<b>133,252</b>	<b>190,253</b>	<b>261,254</b>	<b>354,255</b>	<b>454,256</b>	<b>561,257</b>	<b>676,258</b>	<b>799,259</b>	<b>929,260</b>	<b>1,066,261</b>
II: Total cash out	370,000	<b>41,249</b>	<b>41,249</b>	<b>41,249</b>	<b>41,249</b>	<b>26,249</b>							
I – II Cash at the end of the month	<b>375,000</b>	<b>17,001</b>	<b>47,002</b>	<b>92,003</b>	<b>149,004</b>	<b>235,005</b>	<b>328,006</b>	<b>428,007</b>	<b>535,008</b>	<b>650,009</b>	<b>773,010</b>	<b>903,011</b>	<b>1,040,012</b>

## Profit Margin

### Monthly Estimation of Net Profit

#### Profit Margin

##### Monthly Estimation of Net Profit

Month	1	2	3	4	5	6	7	8	9	10	11	12
I. Total Sales	27,000	40,000	55,000	67,000	81,000	88,000	95,000	102,000	110,000	118,000	125,000	132,000
II. Total Cost	41,249	41,249	41,249	41,249	26,249	26,249	26,249	26,249	26,249	26,249	26,249	26,249
I – II Profit (Before tax)	(14,249)	(1,249)	13,751	25,751	54,751	61,751	68,751	75,751	83,751	91,751	98,751	105,751
Less: Income tax (15%)	0	0	(2,063)	(3,863)	(8,213)	(9,263)	(10,313)	(11,363)	(12,563)	(13,763)	(14,813)	(15,863)
Net Profit/Loss After Tax	(14,249)	(1,249)	11,688	21,888	46,538	52,488	58,438	64,388	71,188	77,988	83,938	89,888

## 2.12 Opening Balance

**Opening Balance of My Business:**

### Opening Balance

**Opening Balance of My Business:**

Assets	Value	Liabilities and equity	Value
<b>Fixed Assets:</b>			
Apartment	300,000	Equity	205,000
Furniture	35,000	Long-Term Liabilities:	
Equipment	35,000	Family Loan	540,000
<b>Total Fixed Assets</b>	<b>370,000</b>	<b>Total Long-Term Liabilities</b>	<b>745,000</b>
<b>Current Assets:</b>		<b>Current Liabilities:</b>	
Cash and bank	375,000		
<b>Total Current Assets</b>	<b>375,000</b>	<b>Total Current Liabilities</b>	<b>0</b>
<b>Total Assets</b>	<b>EGP 745,000</b>	<b>Total Liabilities and Net Worth</b>	<b>EGP 745,000</b>

## CHAPTER THREE

## SYSTEM ANALYSIS

### 3.1. Introduction:

It is a process of collecting and interpreting facts, identifying the problems, and decomposition of a system into its components. System analysis is conducted for the purpose of studying a system or its parts in order to identify its objectives. It is a problem solving technique that improves the system and ensures that all the components of the system work efficiently to accomplish their purpose. Analysis specifies what the App system should do.

Once the business needs are set, planning and analysis begins. This process should begin by identifying the extent to which they are trying to use this new system. This process is similar to a blueprint one might have for a home, where you lay out the big picture. Part of determining this is identifying who the users of the new system will be and what the system will be used for as well as addressing any privacy concerns. This initial part is important to make sure that the business objectives are being met, and it lays the foundation for the 'big picture'.

By looking into the needs of the users of the system, this helps identify the reach or span in which the new system will be used. It determines the cross functionality of the system and if it will be used for one or many departments.

Some questions one might ask include the following:

- What data should we store, and how does that, in turn, provide information to the company?
- Do we want the marketing department information to be integrated with the sales departments?

Asking questions like this will help to identify the 'who' and 'what' the system will be used for.

Part of this stage should also address any privacy concerns the company may have as far as who should or should not have access to the information. Certain information is more sensitive than others and only certain users should be given specific access.

### **3.2 Requirements gathering:**

In the business environment, it is required to have an effective way of market research to understand what a customer wants and how to be successful over competitors. We needed to focus on how to make the users to achieve their goals. The Requirements gathering process helped in understanding the needs of a customer, especially in the IT industry.

There are several different requirement gathering techniques that can be used. Several tools and techniques are used by the stakeholders and business analyst to facilitate this process and capture the exact and detailed requirements. The Requirements gathering techniques should help in breaking down Requirements and Gathering into digestible steps thereby providing instructions to complete each step.

Requirements analysis is a team effort that demands a combination of hardware, software and human factors engineering expertise as well as skills in dealing with people. Here are the main activities we involved in our app system requirement analysis:

- Identify customer's needs.
- Evaluate system for feasibility.
- Perform economic and technical analysis.
- Allocate functions to system elements.
- Establish schedule and constraints.
- Create system definitions.

### 3.3 User requirements:

#### 3.2.1 Functional requirements:

**User interface:** It must be comfortable for all ages and genders and it must be easy to use.

**Registration:** Any new member or expert must register to save his information on our database for preventing any complex or unexpected transaction and also to check the authorization of the registered person.

**Filter Field:** Choose must be included in the website to search on the field or topic they need or any of our existing functions.

**Selecting function:** it is an essential part of the website because it is available when we need to select the field, select the expert, select way of payment.

**View:** is an another essential part of the website because it gives the permission of the member how can check his account, the existing fields for choosing one or more of them, or for view information about the experts himself, view way of payment

**Editing:** is very critical function where it can success or fail the system from being up-to-date or not)

**Check:** that the payment is valid.

#### Functionality:

- A flexible web application with an easy GUI which provide Large data about all Clubs in Egypt and their activities like Tennis, GYM, Archery, Swimming.
- -The Application Facilitates the process of searching or booking the nearest and the best club or club activity.
- -The System allows the Clubs to register and add their activities, prices plans, offers and promotions, also if there are available Clubs assets such as playgrounds and swimming pools, they can offer it for rent for private academies via our application.

- The system contains membership offers and prices for all clients who visit the application.
- -Clients Can view and Book an individual activity or Club Membership and pay partly online.
- for clients they can book any activity on any club for one of 2 reasons:
- 1-for Training [Courses]
- 2-Entertainment
- -The System allows the Private trainers/Academies to view Clubs Assets such as playgrounds and pools which are available for rent and then book it via our application

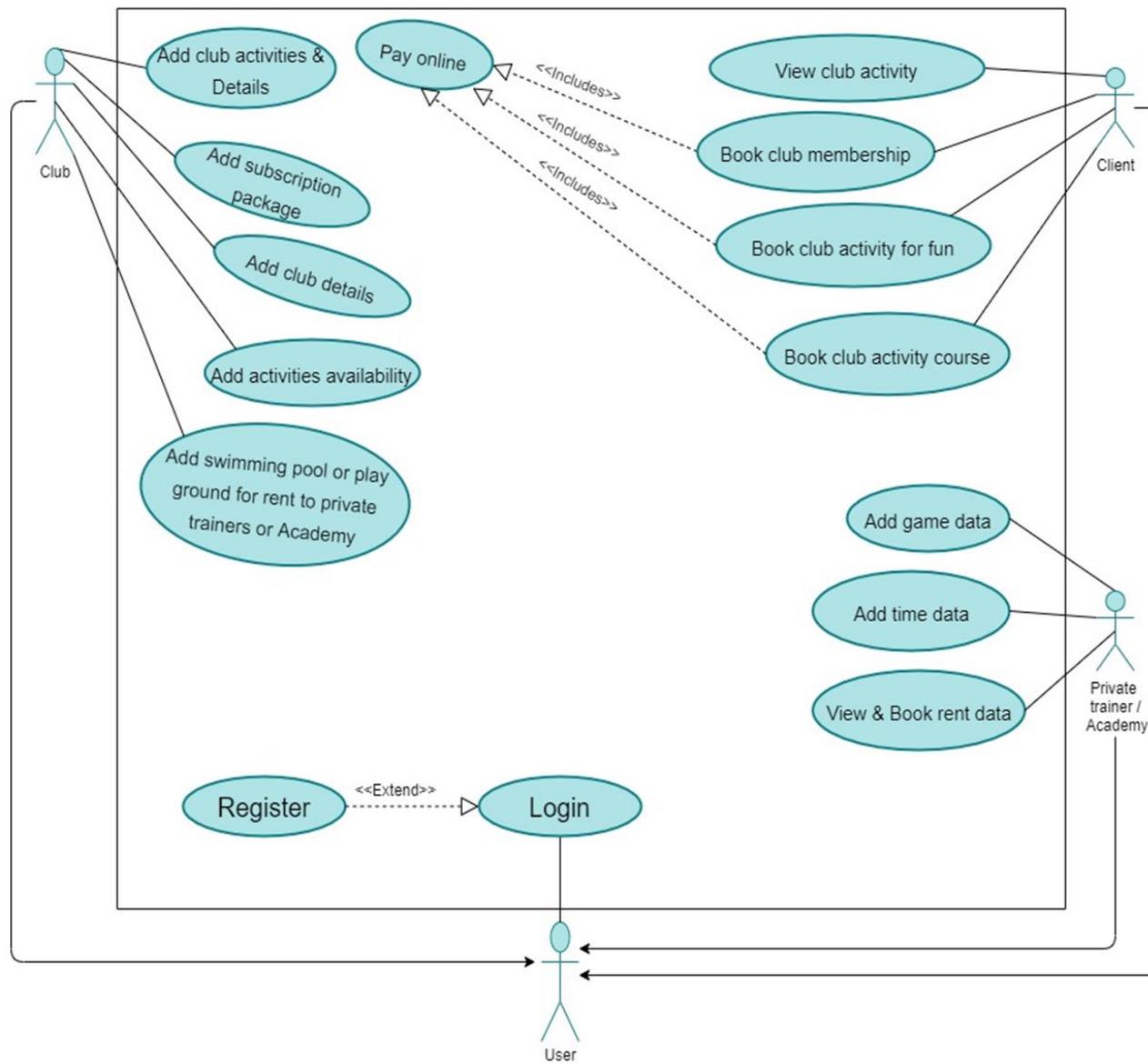
### 3.3.2 Non-Functional requirements

- Development requirements (that specify our programming language which are Html, Html 5, CSS, CSS3, PHP, JavaScript and Bootstrap)
- Regulatory requirements (what should be done to make the system approved in a regulatory way)
- Reliability, Availability, Maintainability Requirements (that set out the acceptable failure rate, how often the system experience critical failures and how much time is it available to users against downtimes)
- Efficiency Requirement (to make or system sufficient and easy to use for users)
- Security Requirement (to store the information of users both expert and member from damage or theft by make backups and authentication and authorization functions)
- Ethical requirements (to ensure that the system will be acceptable from its users, so we make a survey to ensure of this point)
- Legislative requirements (must be followed to ensure that the system operate within the law)

- Performance and Scalability Requirements (how fast our system can execute and how much memory it requires,)
- Usability Requirement (the number of users which can be supported by our system)
- Dependability Requirement (which activity is successor and which is predecessor and their relationships)
- Portability and Compatibility (which hardware, operating systems, browsers and their versions does the software run on, and does it conflict with other applications and processes within these environments.)
- Recoverability Requirements
- Operational requirements (define how the system will be used)
- Environmental requirements (which specify the operating environment of the system such as our competitors, our marketing position)

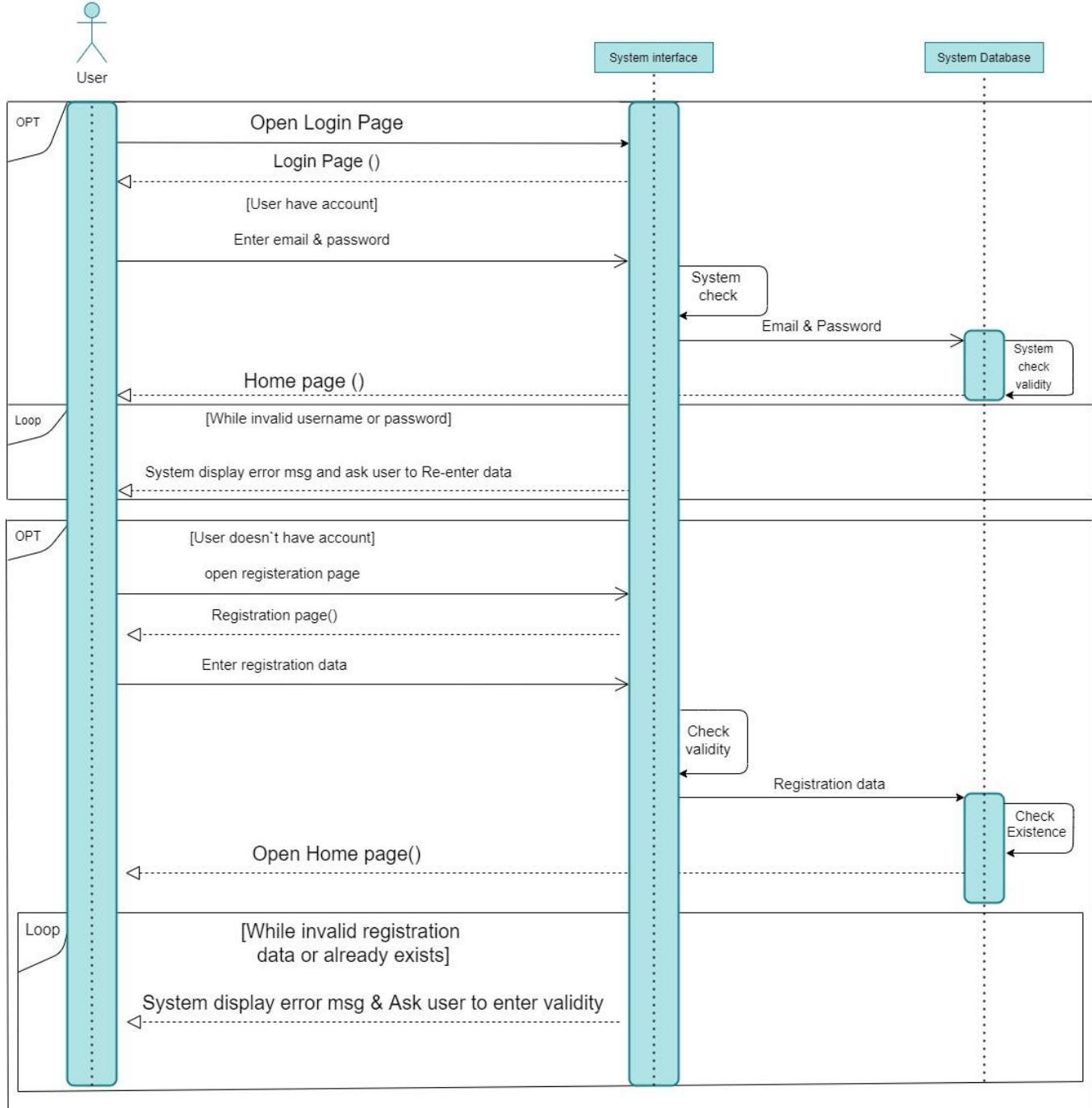
### 3.4 Usecase diagram

## Club Activity UseCase

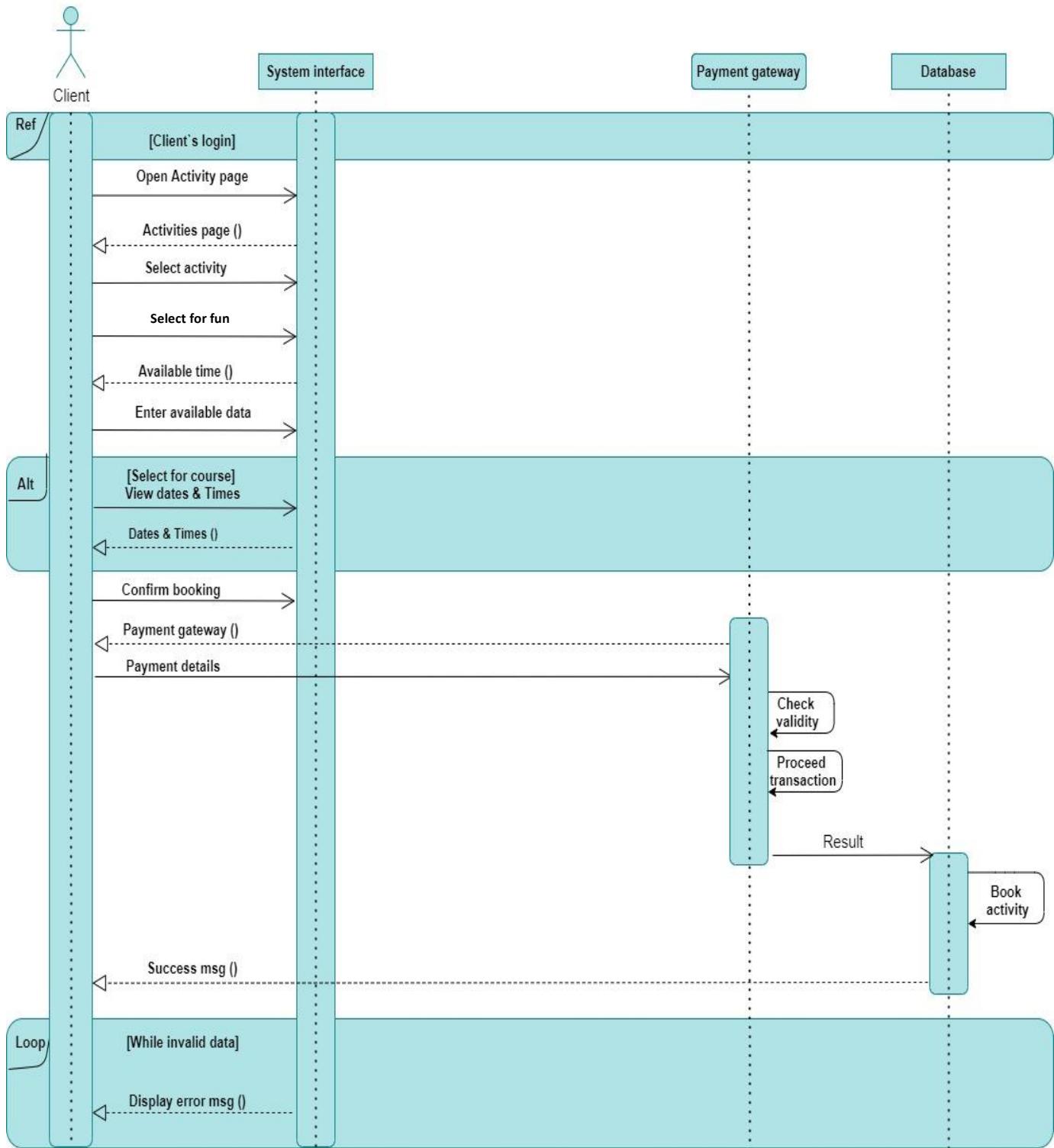


### 3.5 Sequence diagram

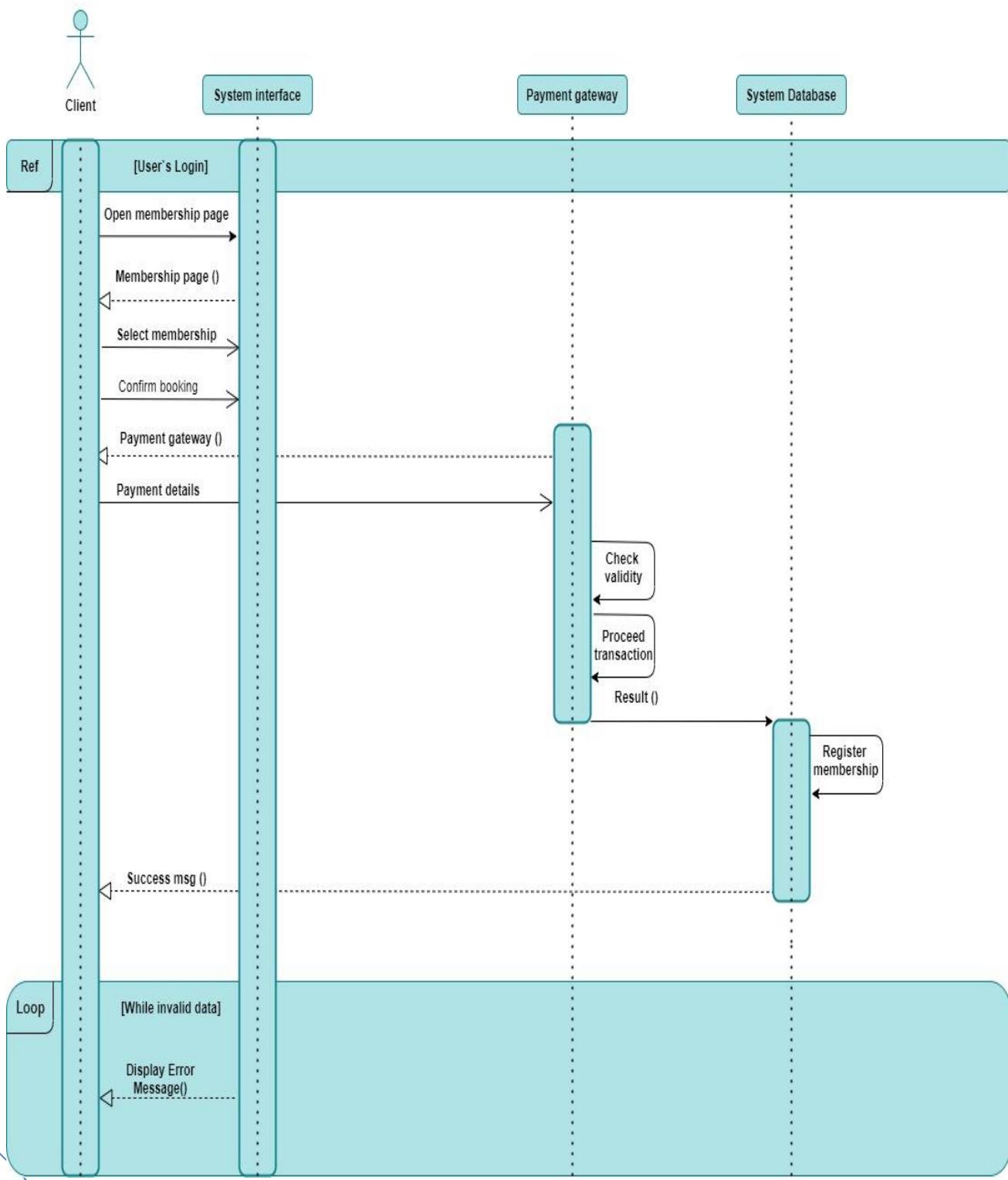
## User's Login Sequence



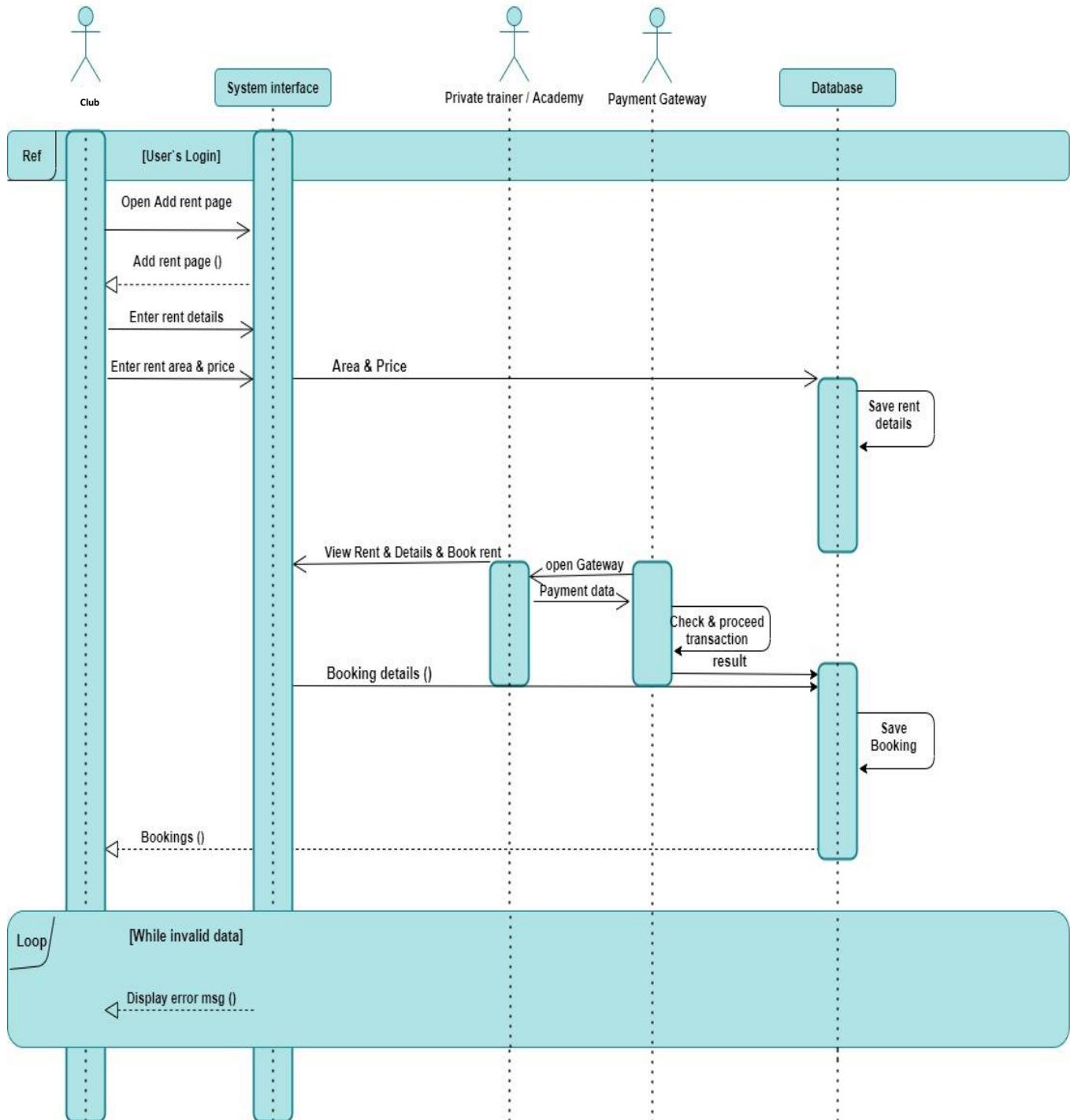
## Sequence Diagram Client Book Club Activity For Fun Or Course



## Client Book Club Membership Sequence

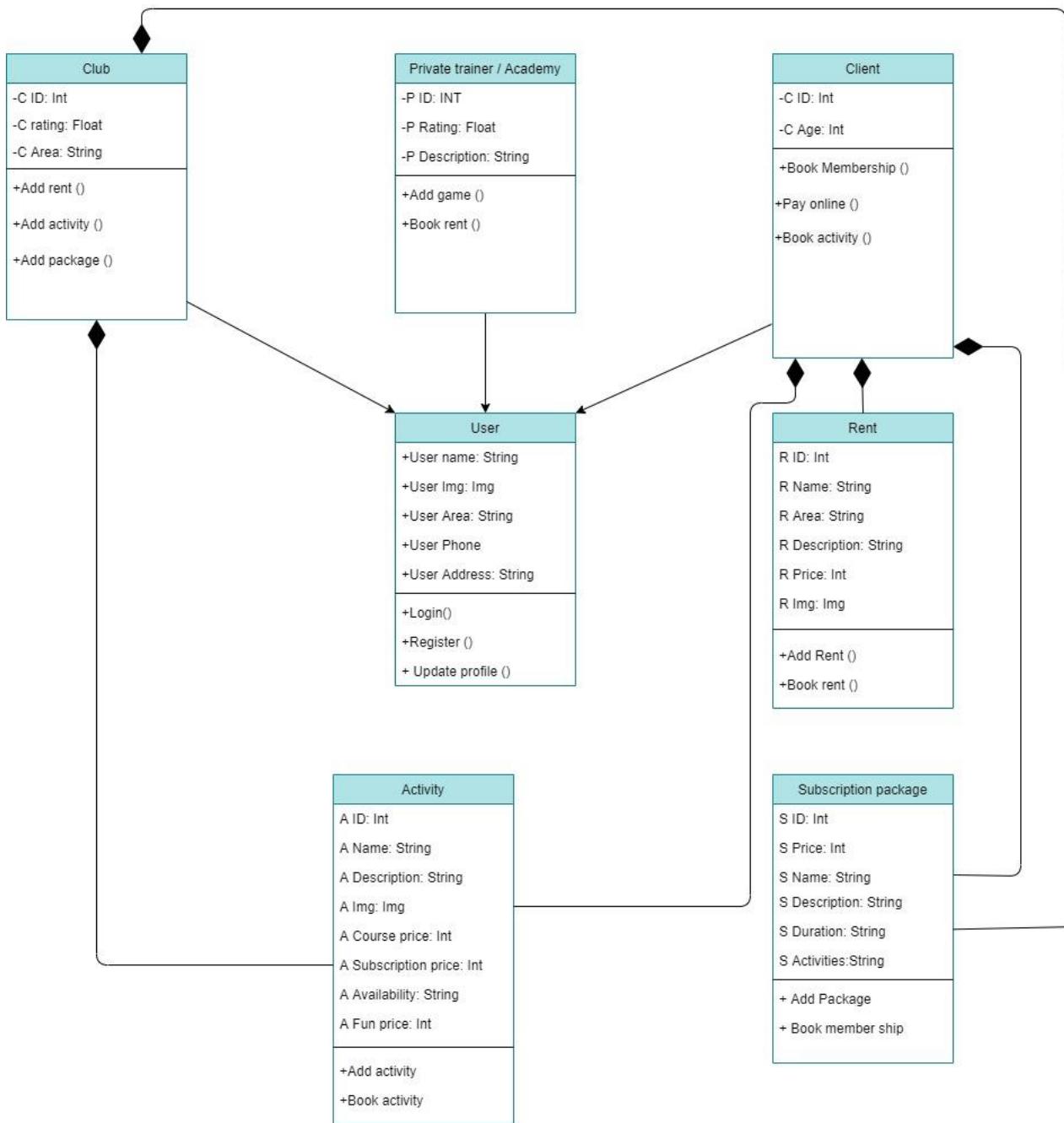


## Club Add Rent & Private Trainer / Academy Book It Sequence



### 3.6 class activity

#### Club Activities Class Diagram



## CHAPTER FOUR

## SYSTEM DESIGN

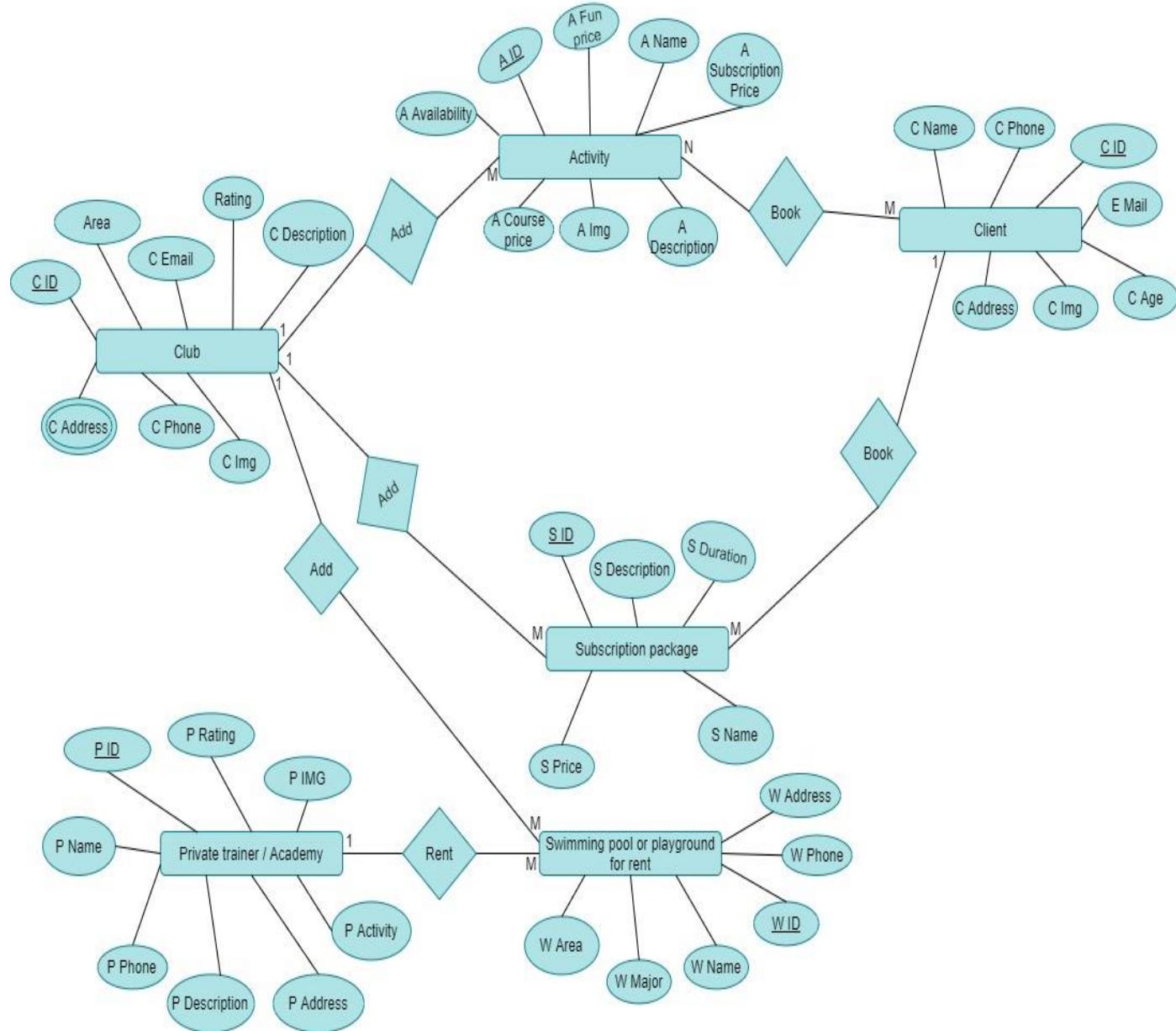
### 4.1 Introduction

System design is the process of defining the elements of a system such as the architecture, modules and components, the different interfaces of those components and the data that goes through that system. It is meant to satisfy specific needs and requirements of a business or organization through the engineering of a coherent and well-running system.

Systems design implies a systematic approach to the design of a system. It may take a bottom-up or top-down approach, but either way the process is systematic wherein it takes into account all related variables of the system that needs to be created—from the architecture, to the required hardware and software, right down to the data and how it travels and transforms throughout its travel through the system. Systems design then overlaps with systems analysis, systems engineering and systems architecture.

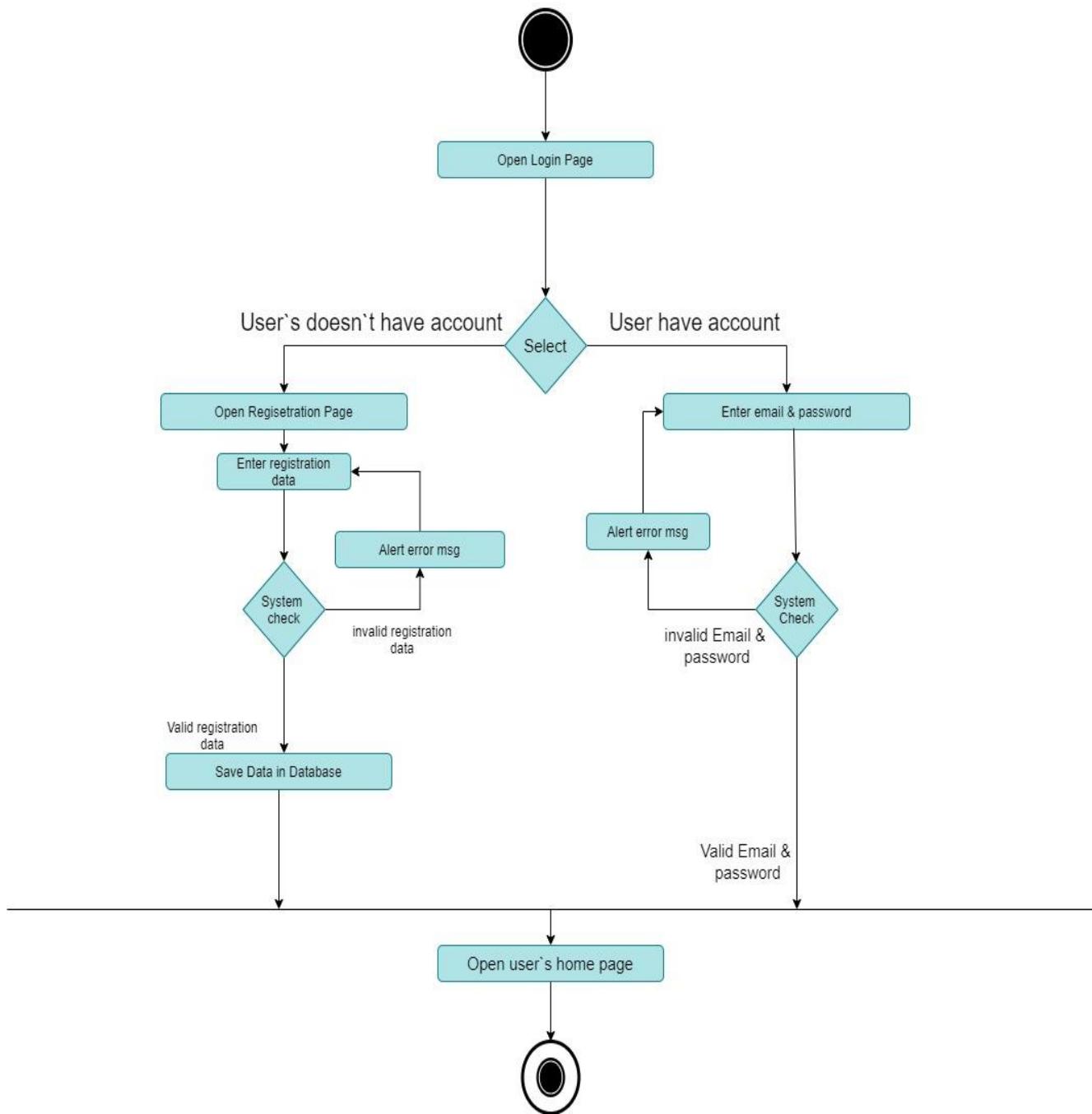
#### 4.2 ER-diagram

### Club Activities ERD

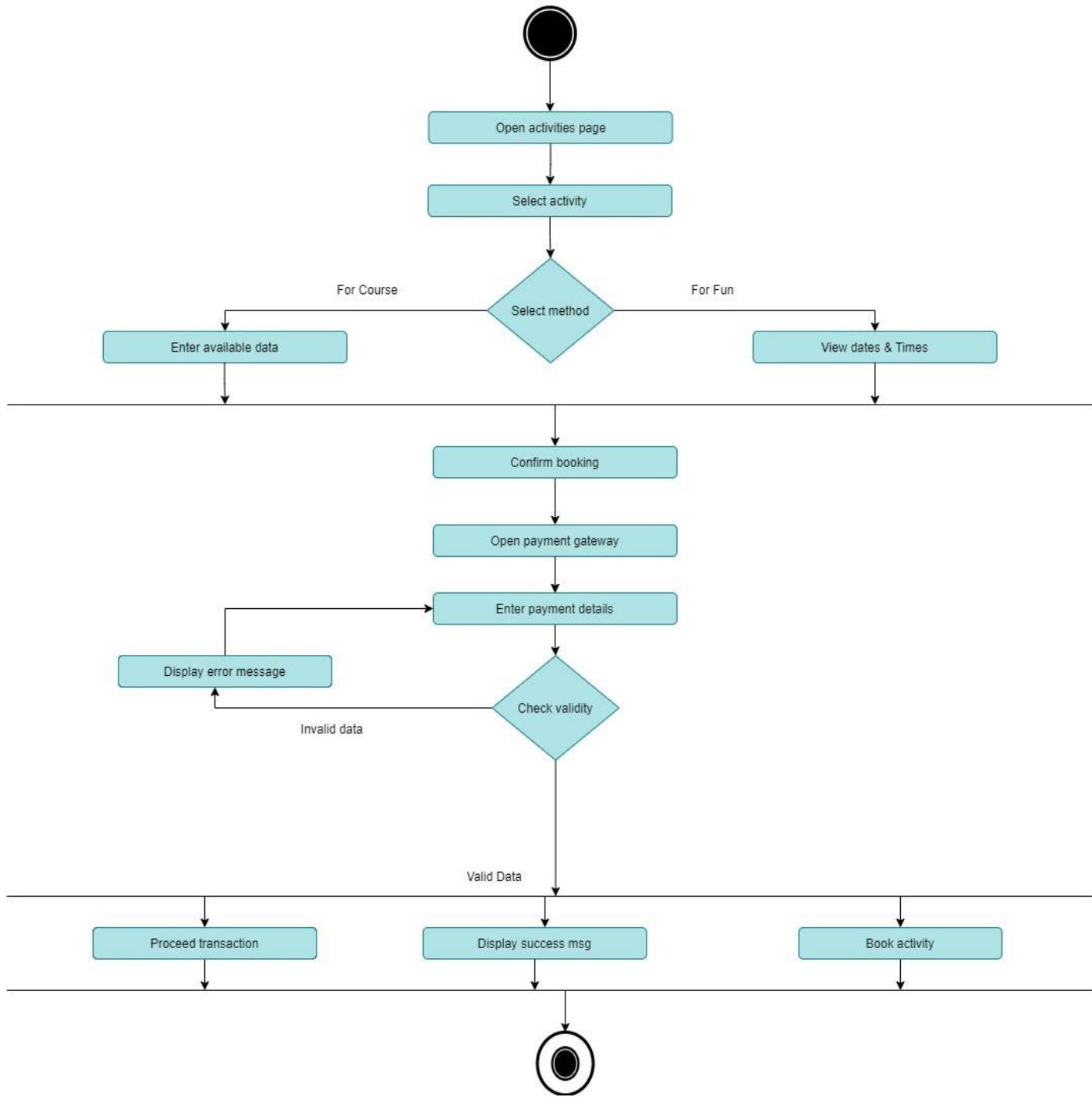


## 4.3 Activity

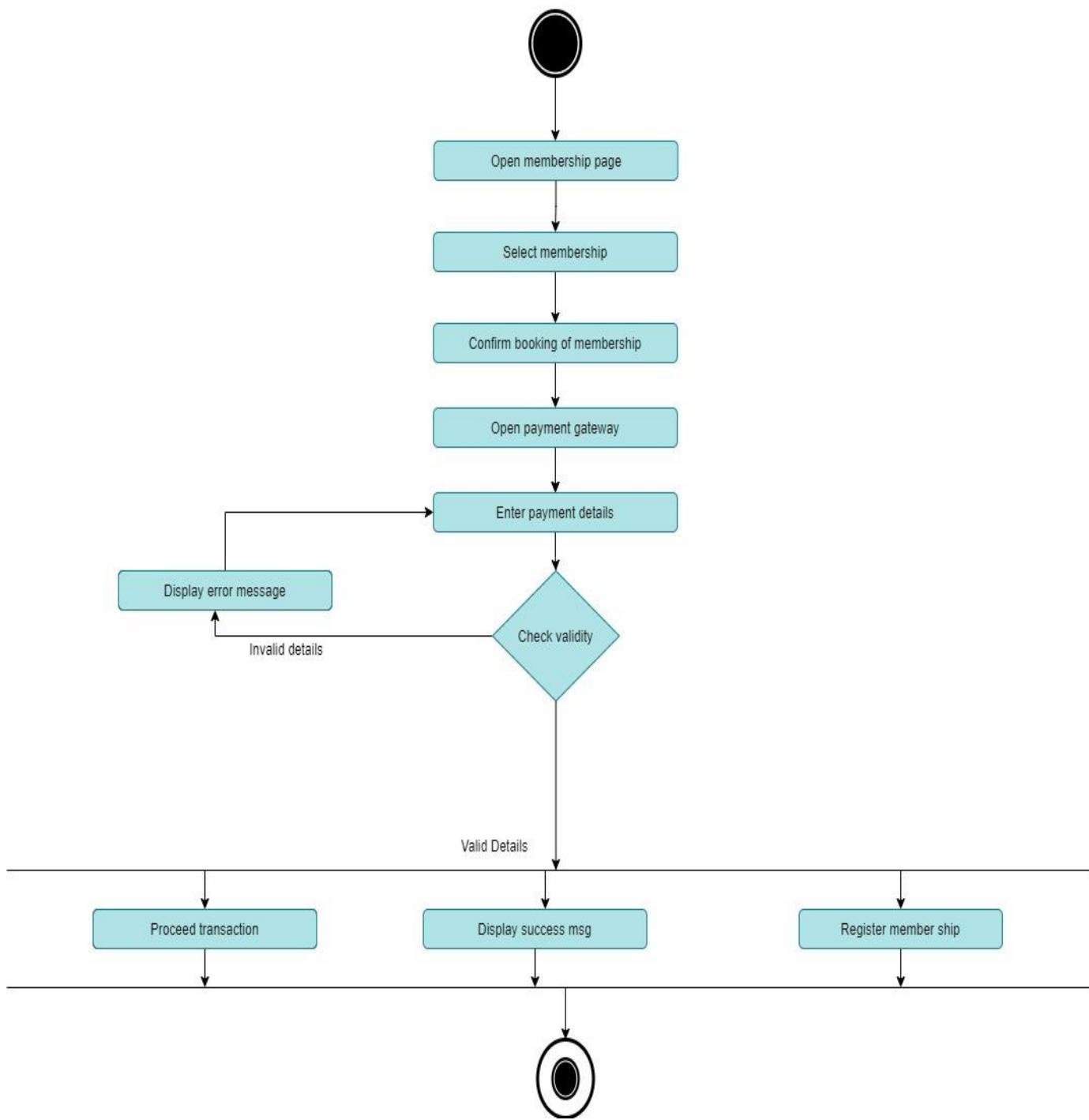
### User: Login Activity



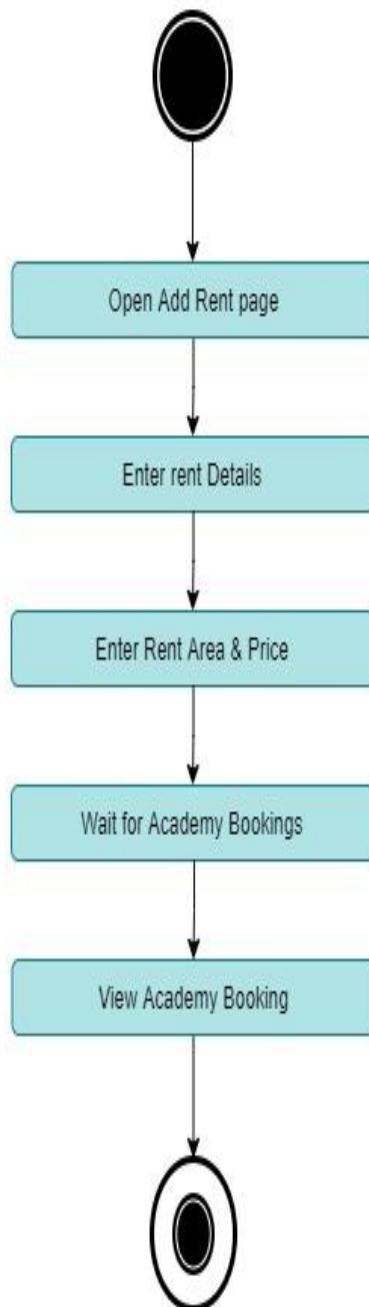
## Client Book Club Activity For Fun Or Course Activity diagram



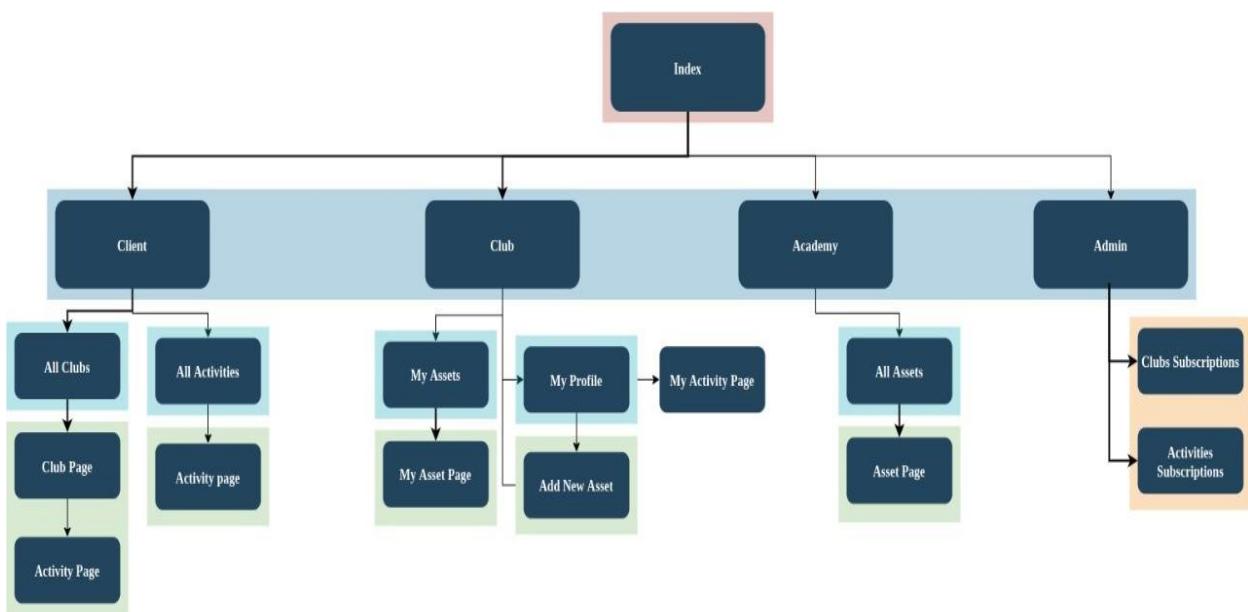
## Client Book Club MemberShip Activity



Club Add Rent & Private Trainer / Academy Book It Activity.



#### 4.4 Site Map



## CHAPTER FIVE

# SYSTEM IMPLEMENTATION

### 5.1 Introduction to System Implementation

A user interface is the part of the system with which the users interact. It includes the screen displays that provide navigation through the system, the screens and forms that capture data, and the reports that the system produces (whether on paper, on the Web, or via some other media).

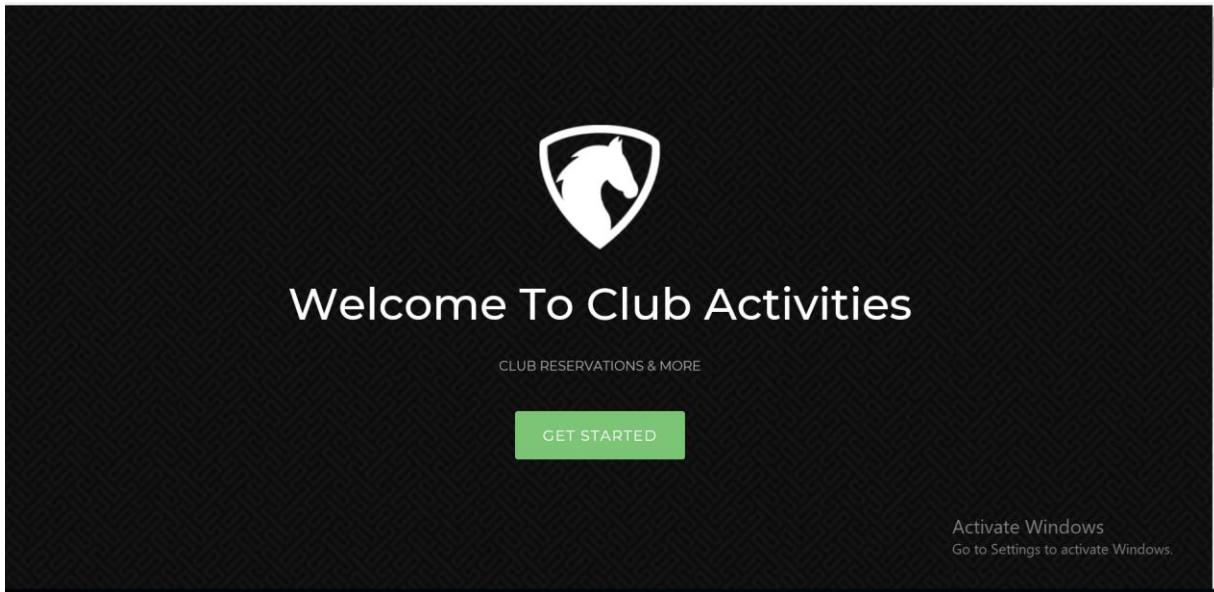
**Primary methods used in the interface design include prototyping and simulation.**

Typical human-machine interface design consists of the following stages: interaction specification, interface software specification and prototyping:

- Common practices for interaction specification include user-centered design, persona, activity-oriented design, scenario-based design, and resiliency design.
- Common practices for interface software specification include use cases, constraint enforcement by interaction protocols, intended to avoid use errors.
- Common practices for prototyping are based on interactive design based on libraries of interface elements

## 5.2 Screenshots of user interface

### Home page



HOME    [ABOUT](#)    SERVICES        TEAM    FAQ    REGISTRATION ▾

---

### ABOUT US

Several Clubs & Activities to cover all your needs



**Several Clubs & Academies Ready To Serve You**

We have several clubs & academies with a lot of activities and all available to you to subscribe to get in shape.

- ✓ We Have Clubs that you can get Full Membership in.
- ✓ The Clubs have activities that you can only subscribe on.
- ✓ We Have Academies that can offer you renting to pools and football places.

All of that and more is available on our web app. there are a lot of services that you can benefit from whether you are a client, a club or even an academy. with us there is a place for you to get benefits from [Activate Windows](#) Go to Settings to activate Windows

HOME    ABOUT    **SERVICES**    TEAM    FAQ    REGISTRATION ▾

## SERVICES

We have a lot of services to cover all your needs

-  **Get Club Membership**  
Get Club membership now to start getting all their activities for free
-  **Reserve Club Activity**  
reserve specific activity to only get this one without paying for the entire club membership
-  **Pay only 10% upfront**  
only pay 10% from the membership upfront on our web app and the rest when you go to the club
-  **See All Clubs**



HOME    ABOUT    **SERVICES**    TEAM    FAQ    REGISTRATION ▾



-  **See All Activities**  
see all activities if you don't know which one to choose and choose from them
-  **Make Your own Club Account**  
if you are a club owner you can make a club account and start your journey with us now.
-  **Make Your own Activities**  
if you are a club owner and you are starting a new activity, you can post it here and get reservations on it.
-  **Rent Places from Academies**  
you can search for pools and football places here to rent them from the academy they own.  
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## FREQUENTLY ASKED QUESTIONS

What is the main subscriptions on your web app?

How much do i pay upfront?

What is the role of the academy?

What are the possible ways to subscribe to an activity?

What are the different kinds of available activities?

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## CONTACT

Contact us to send us any feedback related to our services

**Location:**  
 El Tayran Street Nasr City,  
Cairo, EG 253004

**Email:**  
 support@club-activities.com

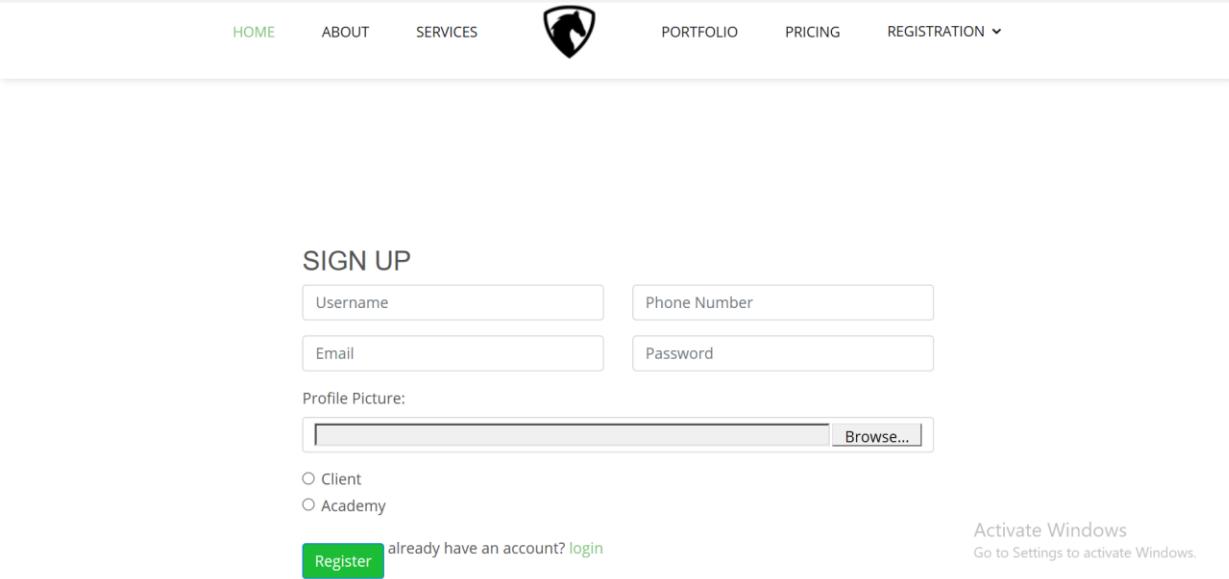
**Call:**  
 01127959773

Your Name   
Your Email   
Subject   
Message

**Send Message**  Activate Windows  
Go to Settings to activate Windows 



## Client SIGN UP



## Client LOGIN

HOME

ABOUT

SERVICES



PORTFOLIO

PRICING

REGISTRATION ▾

### LOGIN

Email

Password

[Login](#) dont have account yet? [signup](#)

Activate Windows  
Go to Settings to activate Windows.

## Club SIGN UP

HOME

ABOUT

SERVICES



PORTFOLIO

PRICING

REGISTRATION ▾

### CLUB SIGN UP

Club Name

Phone Number

Email

Password

Membership Price

Membership Period

Club Address..

Club Picture: (required)

[Browse...](#)

Activate Windows  
Go to Settings to activate Windows.

[Register](#) already have an account? [login](#)

## Club LOGIN

HOME ABOUT SERVICES  PORTFOLIO PRICING REGISTRATION ▾

### CLUB LOGIN

Email

Password

[Login](#) dont have account yet? [signup](#)

Activate Windows  
Go to Settings to activate Windows.

## When client login

HOME ALL CLUBS ALL ACTIVITIES  CLIENT: NADEEN TAREK LOGOUT

### ABOUT US

Several Clubs & Activities to cover all your needs



#### Several Clubs & Academies Ready To Serve You

We have several clubs & academies with a lot of activities and all available to you to subscribe to get in shape.

- ✓ We Have Clubs that you can get Full Membership in.
- ✓ The Clubs have activities that you can only subscribe on.
- ✓ We Have Academies that can offer you renting to pools and football places.

All of that and more is available on our web app. there are a lot of services that you can benefit from whether you are a client, a club or even an academy. with us there is a place for you to get benefits from our services and get your business up and running to hit the ground running faster.

## All clubs that appear to client

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT

All Clubs

[Home](#) / All Clubs

All Clubs



Name: Wadi degla



Name: Zamalek

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Name: Sharkia club



Name: 6th of October Sports Club



Activate Windows  
Go to Settings to activate Windows

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Name: Ismaily Sports Club



Name: Egyptian Shooting Club



Name: Tanta sports club



Name: The Egyption club

Activate Windows  
Go to Settings to activate Window 

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Name: Misr Al-Maqasa Club



Name: Ghazi El Mahalla Club



Name: sporting club

Activate Windows  
Go to Settings to activate Window 

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Name: Enppi sports club



Name: sporting club



Name: AL AHLY



## All activities that appear to client

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Sporting Club  
Category: Gym - BodyBuilding



Club Name: AL AHLY  
Category: Horse Riding



Club Name: AL AHLY  
Category: Gym - Zumba



Club Name: AL AHLY  
Category: Gym - BodyBuilding

Activate Windows  
Go to Settings to activate Window



HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: AL AHLY

Category: Swimming



Club Name: AL AHLY

Category: Archery



Club Name: AL AHLY

Category: Tennis



Club Name: AL AHLY

Category: Gym - Aerobics

Activate Windows

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Wadi degla

Category: Gym - BodyBuilding



Club Name: Wadi degla

Category: Gym - Zumba



Club Name: Wadi degla

Category: Archery



Club Name: Wadi degla

Category: Gym - Aerobics

Activate Windows

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Wadi degla  
Category: Horse Riding



Club Name: Wadi degla  
Category: Swimming



Club Name: Wadi degla  
Category: Tennis



Club Name: Zamalek  
Category: Gym - Aerobics

Activate Windows  
Go to Settings to activate Windows 

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Zamalek  
Category: Horse Riding



Club Name: Zamalek  
Category: Gym - BodyBuilding



Club Name: Zamalek  
Category: Gym - Zumba



Club Name: Zamalek  
Category: Tennis

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Sharkia  
Category: Gym - Aerobics



Club Name: Sharkia  
Category: Swimming



Club Name: Sharkia



Club Name: 6th of October Sports Club  
Category: Tennis

Activate Windows  
Go to Settings to activate Windows 

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: 6th of October Sports Club  
Category: Swimming



Club Name: Ismaily Sports Club  
Category: Tennis



Club Name: Ismaily Sports Club  
Category: Tennis



Club Name: Tanta sports club  
Category: Tennis

Activate Windows 

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Tanta sports club  
Category: Gym - Aerobics



Club Name: Egyptian Shooting Club  
Category: Gym - Aerobics



Club Name: Egyptian Shooting Club  
Category: Swimming



Club Name: Egyptian Shooting Club  
Category: Tennis

Activate Windows  
Go to Settings to activate Window 

HOME

ALL CLUBS

ALL ACTIVITIES



CLIENT: NADEEN TAREK

LOGOUT



Club Name: Egyptian Shooting Club  
Category: Archery



## Client can subscribe in the club

HOME ALL CLUBS ALL ACTIVITIES  CLIENT: NADEEN TAREK LOGOUT

Subscribe for this Club  
(only pay 10% upfront as a deposit)

Card holder's name

Card number

Expire Date

CVV

[subscribe for this activity](#)

Activate Windows  
Go to Settings to activate Window 

## Client can subscribe in the activity

HOME ALL CLUBS ALL ACTIVITIES  CLIENT: NADEEN TAREK LOGOUT

Subscribe for this Activity  
(only pay 10% upfront as a deposit)

Card holder's name

Card number

Expire Date

CVV

[subscribe for this activity](#)

Activate Windows  
Go to Settings to activate Window 

## When the club login

HOME ADD NEW ASSET MY ASSETS  MY PROFILE CLUB: AL AHLY LOGOUT

### ABOUT US

Several Clubs & Activites to cover all your needs



**Several Clubs & Academies Ready To Serve You**

We have several clubs & academies with a lot of activities and all available to you to subscribe to get in shape.

- ✓ We Have Clubs that you can get Full Membership in.
- ✓ The Clubs have activities that you can only subscribe on.
- ✓ We Have Academies that can offer you renting to pools and football places.

All of that and more is available on our web app. there are a lot of services that you can benefit from wheather you are a client, a club or even an academy. with us there is a place for you to get benefits from our services and get your business up and running to hit the ground

## Club profile

HOME ADD NEW ASSET MY ASSETS  MY PROFILE CLUB: AL AHLY LOGOUT



**Club information**

Phone: 0112345345  
Address: Gezira Island 11519 cairo (Residents: 16.078.877) Egypt  
Membership Price: 750000 L.E  
Membership Period: Year

Activate Windows  
Go to Settings to activate Windows

## Club can add activities

HOME ADD NEW ASSET MY ASSETS  MY PROFILE CLUB: AL AHLY LOGOUT

Membership Period: Year

### Add New Activity

Activity Category:  Monthly Subscription:

Activity Type:  Activity Picture:  Browse...

Detailed Description..:

Activate Windows  
Go to Settings to activate Window 

## Club activities

HOME ADD NEW ASSET MY ASSETS  MY PROFILE CLUB: AL AHLY LOGOUT

### My Activities



Category: Horse Riding  
Price: 6000 L.E



Category: Gym - Zumba  
Price: 4000 L.E



Category: Gym - BodyBuilding



Activate Windows  
Go to Settings to activate Window 

## Asset in the club

HOME ADD NEW ASSET MY ASSETS  MY PROFILE CLUB: AL AHLY LOGOUT

My Assets [Home](#) / My Assets

My Assets

  
Asset Name: football stadium  
Monthly Rent: 9000 L.E.

  
Asset Name: pool  
Monthly Rent: 8000 L.E.

Activate Windows  
Go to Settings to activate Windows.

The club can add new assets

HOME ADD NEW ASSET MY ASSETS  MY PROFILE CLUB: AL AHLY LOGOUT

### Add New Asset

Asset Name  Monthly Rent

Detailed Description..

Asset Image:

Browse...

[Add New Asset](#)

Activate Windows  
Go to Settings to activate Windows.

## When the academy login

HOME ALL ASSETS  ACADEMY: EL TAHIR LOGOUT

Several Clubs & Activities to cover all your needs



### Several Clubs & Academies Ready To Serve You

We have several clubs & academies with a lot of activities and all available to you to subscribe to get in shape.

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Activate Windows  
Go to Settings to activate Windows

## All assets that appear to the academy

HOME ALL ASSETS



ACADEMY: EL TAHРИR

LOGOUT

All Assets



Name: Pool



Name: pool



Name: football stadium



Name: pool

Activate Windows  
Go to Settings to activate Window 

HOME ALL ASSETS



ACADEMY: EL TAHРИR

LOGOUT

Name: pool



Name: football stadium



Name: football stadium

Name: pool



Name: pool



Name: pool

Activate Windows  
Go to Settings to activate Window 

HOME

ALL ASSETS



ACADEMY: EL TAHIR

LOGOUT



Name: football stadium



Name: pool



**The Academy can reserve the asset**

HOME ALL ASSETS



ACADEMY: EL TAHРИR

LOGOUT

pool

[Home](#) / Asset



#### Asset information

**Club Name:** AL AHLY

**Asset Name:** pool

**Monthly Rent:** 8000 L.E

**Date:** 2021-06-26 16:51:46

Reserve this Asset

(only pay 10% upfront as a deposit)

Card holder's name

Activate Windows

[Go to Settings to activate Windows.](#)

HOME ALL ASSETS



ACADEMY: EL TAHРИR

LOGOUT

Reserve this Asset

(only pay 10% upfront as a deposit)

Card holder's name

Card number

Expire Date

CVV

[subscribe for this activity](#)

Activate Windows

[Go to Settings to activate Windows.](#)

When the admin login

HOME

CLUBS SUBS

ACTIVITIES SUBS



ASSET BOOKINGS

BALANCE 74450 L.E.

LOGOUT

## ABOUT US

Several Clubs & Activities to cover all your needs



### Several Clubs & Academies Ready To Serve You

We have several clubs & academies with a lot of activities and all available to you to subscribe to get in shape.

- ✓ We Have Clubs that you can get Full Membership in.
- ✓ The Clubs have activities that you can only subscribe on.
- ✓ We Have Academies that can offer you renting to pools and football places.

All of that and more is available on our web app, there are a lot of services that you can benefit from whether you are a client, a club or even an academy. with us there is a place for you to get benefits from

Activate Windows

Go to Settings to activate Windows



## All club subscriptions

HOME

CLUBS SUBS

ACTIVITIES SUBS



ASSET BOOKINGS

BALANCE 74450 L.E.

LOGOUT

### All Clubs Subscriptions

[Home](#) / All Clubs Subscriptions

### All Clubs Subscriptions

Club Name	Membership Price	Client Name	Date
Misr Al-Maqasa Club	150000 L.E	merna roshdy	2021-06-27 21:15:10
Zamalek	250000 L.E	nadeen tarek	2021-06-28 18:43:09
Tanta sports club	60000 L.E	ebrahim	2021-06-27 21:14:17

Activate Windows

Go to Settings to activate Windows.

## All activities subscriptions

[HOME](#)[CLUBS SUBS](#)[ACTIVITIES SUBS](#)[ASSET BOOKINGS](#)

BALANCE 74450 L.E.

[LOGOUT](#)

### All Activities Subscriptions

Club Name	Price	Client Name	Date
AL AHLY	4000 L.E	mariam tarek	2021-06-26 16:30:31
Sharkia	400 L.E	merna roshdy	2021-06-27 18:20:53
Wadi degla	1700 L.E	merna roshdy	2021-06-26 17:40:18
Wadi degla	1800 L.E	nadeen tarek	2021-06-26 18:08:14
Sharkia	400 L.E	nadeen tarek	2021-06-27 18:20:53
Wadi degla	1500 L.E	ebrahim	2021-06-26 17:34:16
Sharkia	300 L.E	ebrahim	2021-06-27 18:32:01

Activate Windows  
Go to Settings to activate Windows

## All asset booking

[HOME](#)[CLUBS SUBS](#)[ACTIVITIES SUBS](#)[ASSET BOOKINGS](#)

BALANCE 74450 L.E.

[LOGOUT](#)

### All Assets Bookings

[Home](#) / All Assets Bookings

### All Assets Bookings

Club Name	Monthly Rent	Academy Name	Date
AL AHLY	9000 L.E	PG acadamy	2021-06-26 16:51:28
Zamalek	3000 L.E	PG acadamy	2021-06-26 19:38:30

Activate Windows  
Go to Settings to activate Windows.

## CHAPTER SIX

# SYSTEM TESTING

### 6.1 Testing scenario

It's a part of system testing where we put predictions for the future actions and what is the precondition in each scenario to clarify a certain problem and test it

- Login scenario

Preconditions: user must open the web app

- 1.0 user Enter his Credentials.
- 2.0 System checks credibility of credentials.
- 3.0 System retrieves check result.
- 4.0 System Display userpage

### Alternative flows

- 1.1 User enter wrong credentials
  - 1.1.1 User display error message
- add client scenario

Preconditions: user must be logged

1.0 user Enter customer's valid data

2.0 System checks validity.

3.0 System retrieves check result.

4.0 System Display message

### Alternative flows

1.1 User enter invalid data

2.1.1 system display error message

2.1.2 system ask user to re-enter valid data

## 6.2 testing coding

File Edit Selection View Go Run Terminal Help index-guest.php - Visual Studio Code

EXPLORER OPEN EDITORS NO FOLDER OPENED

You have not yet opened a folder.

Open Folder

You can also clone a repository from a URL. To learn more about how to use git and source control in VS Code read our docs.

Clone Repository

```
c > xampp > htdocs > Club Activities > index-guest.php
1 <!DOCTYPE html>
2 <html lang="en">
3
4     <head>
5         <meta charset="utf-8">
6         <meta content="width=device-width, initial-scale=1.0" name="viewport">
7
8         <title>Club Activities</title>
9         <meta content="" name="description">
10        <meta content="" name="keywords">
11
12        <!-- Favicons -->
13        <link href="assets/img/favicon.png" rel="icon">
14        <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
15
16        <!-- Google Fonts -->
17        <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Montserrat:300,300i" rel="stylesheet">
18
19        <!-- Vendor CSS Files -->
20        <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
21        <link href="assets/vendor/icofont/icofont.min.css" rel="stylesheet">
22        <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
23        <link href="assets/vendor/venobox/venobox.css" rel="stylesheet">
24        <link href="assets/vendor/owl.carousel/assets/owl.carousel.min.css" rel="stylesheet">
25        <link href="assets/vendor/aos/aos.css" rel="stylesheet">
26
27        <!-- Template Main CSS File -->
28        <link href="assets/css/style.css" rel="stylesheet">
29    </head>
```

Activate Windows  
 Go to Settings to activate Windows.

In 1, Col 1 Spaces: 2 UTF-8 CRLF PHP

File Edit Selection View Go Run Terminal Help club-signup.php - Visual Studio Code

EXPLORER OPEN EDITORS NO FOLDER OPENED

You have not yet opened a folder.

Open Folder

You can also clone a repository from a URL. To learn more about how to use git and source control in VS Code read our docs.

Clone Repository

```
c > xampp > htdocs > Club Activities > club-signup.php
1 <?php
2 session_start();
3
4 include("connection.php");
5 include("functions.php");
6
7 $error_msg = "";
8 $profile_pic = "";
9
10 if($_SERVER['REQUEST_METHOD'] == "POST") {
11     $club_name = $_POST['club_name'];
12     $phone = $_POST['phone'];
13     $email = $_POST['email'];
14     $password = $_POST['password'];
15     $membership_price = $_POST['membership_price'];
16     $membership_period = $_POST['membership_period'];
17     $address = $_POST['address'];
18
19     $target_dir = "uploads/";
20     $target_file = $target_dir . time() . basename($_FILES["fileToUpload"]["name"]);
21
22     if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $target_file)) {
23         $profile_pic = time() . basename($_FILES["fileToUpload"]["name"]);
24     } else {
25         $error_msg = "Sorry, there was an error uploading your file.";
26     }
27
28
29     $query = "insert into clubs (club_name,email,password,phone,address,membership_price,membership_period,image)";
30     $result = mysqli_query($con, $query);
```

Activate Windows  
 Go to Settings to activate Windows.

File Edit Selection View Go Run Terminal Help login.php - Visual Studio Code

EXPLORER assets\_reserv.php club.php club-login.php club-signup.php clubs-reserv.php index-guest.php login.php

```
c:\xampp\htdocs\Club Activities>login.php
1 <?php
2 session_start();
3
4 include("connection.php");
5 include("functions.php");
6
7 ?>
8
9 <!DOCTYPE html>
10 <html lang="en">
11
12 <head>
13 <meta charset="utf-8">
14 <meta content="width=device-width, initial-scale=1.0" name="viewport">
15
16 <title>Club Activities</title>
17 <meta content="" name="description">
18 <meta content="" name="keywords">
19
20 <!-- Favicons -->
21 <link href="assets/img/favicon.png" rel="icon">
22 <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
23
24 <!-- Google Fonts -->
25 <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Raleway:300,300i,>
26
27 <!-- Vendor CSS Files -->
28 <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
29 <link href="assets/vendor/icofont/icofont.min.css" rel="stylesheet">
30 <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
```

You have not yet opened a folder.

Open Folder

You can also clone a repository from a URL. To learn more about how to use git and source control in VS Code [read our docs](#).

Clone Repository

Activate Windows  
 Go to Settings to activate Windows.

In 1, Col 1 Spaces: 2 UTF-8 CRLF PHP

File Edit Selection View Go Run Terminal Help assets\_reserv.php - Visual Studio Code

EXPLORER assets\_reserv.php club.php club-login.php club-signup.php clubs-reserv.php index-guest.php login.php assets\_reserv.php

```
c:\xampp\htdocs\Club Activities>assets_reserv.php
1 <?php
2 session_start();
3
4 include("connection.php");
5 include("functions.php");
6
7 $user_data = check_login($con);
8
9 $club_subscriptions_query = "select * from assets_books
join assets on assets_books.asset_id = assets.id";
$club_subscriptions = mysqli_query($con, $club_subscriptions_query);
10
11 ?>
12
13 <!DOCTYPE html>
14 <html lang="en">
15
16 <head>
17 <meta charset="utf-8">
18 <meta content="width=device-width, initial-scale=1.0" name="viewport">
19
20 <title>Club Activities</title>
21 <meta content="" name="description">
22 <meta content="" name="keywords">
23
24 <!-- Favicons -->
25 <link href="assets/img/favicon.png" rel="icon">
26 <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
27
28 <!-- Google Fonts -->
```

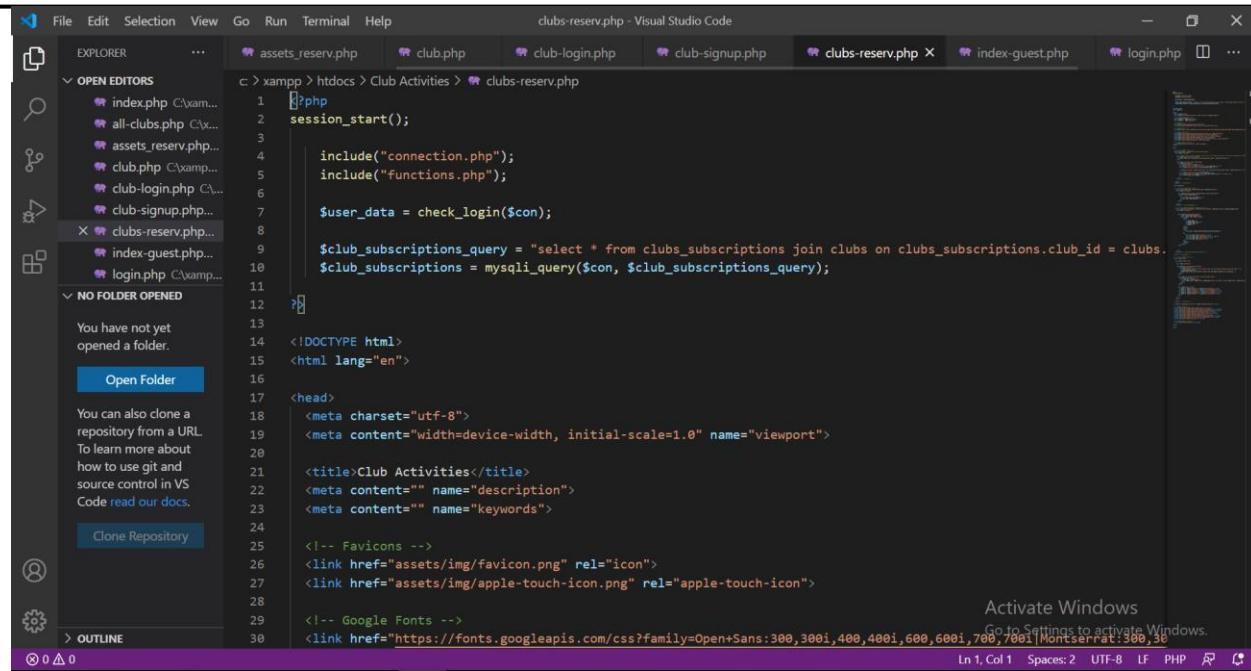
You have not yet opened a folder.

Open Folder

You can also clone a repository from a URL. To learn more about how to use git and source control in VS Code [read our docs](#).

Clone Repository

Activate Windows  
 Go to Settings to activate Windows.



The screenshot shows a Visual Studio Code interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Editor Area:** The file "clubs-reserv.php" is open, showing PHP code. The code includes session\_start(), includes for connection.php and functions.php, and a query to select \* from clubs\_subscriptions join clubs on clubs\_subscriptions.club\_id = clubs. It also includes meta tags for charset, viewport, title, description, and keywords, as well as links to favicons and Google Fonts.
- Explorer Area:** Shows a tree view of files in the "Club Activities" folder, including index.php, all-clubs.php, assets\_reserv.php, club.php, club-login.php, club-signup.php, clubs-reserv.php (which is currently selected), index-guest.php, and login.php.
- Bottom Status Bar:** Shows "Ln 1, Col 1" and "Activate Windows".
- Bottom Icons:** Includes icons for Open Folder, Clone Repository, and others.

## CHAPTER SEVEN

## CONCLUSION &

## FEATURE WORK

### 7.1 Conclusion:

It is an application that provides all clubs activities to practice by reservation or to benefit from them by taking courses in them, the activities are divided into gym, Swimming, tennis, Horse Riding and Archery, people take them for entertainment or Courses

## 7.2 Future Plans:

- 1) Section for renting bicycles
- 2) Online sessions for gym
- 3) Collaboration with brands like (Nike, daddies, sketcher) and offer discounts for users of our application
- 4) Create a competition between clubs
- 5) Organizing trips and booking through our application
- 6) Mobile application tied by our web application
- 7) Collaboration with sponsors
- 8) booking cinema tickets
- 9) Motorcycles racing
- 10) Booking wedding halls or Birthday halls
- 11) Booking Kids area
- 12) Organizing running sport with team.

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- Dr/Abdelmonim Eltohami – Notes in Principles of Financial Management and Investment.
- Lecture slides by Lawrie Brown –In Data Link Control- William Stallings, Eighth Edition
- Dr/ Atef Ghalwsh –Lectures in Data Security.
- Dr/Hamdy Kadous–Lectures in Partnership.
- Dr/Manal Abdelkader–Lecuters in Software Engineering

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