

## **CHAPTER 1**

### **INTRODUCTION**

#### **1.1 INTRODUCTION**

Sports are not all about winning games. Building healthier, happier, safer, and strong communities are also essential elements. Communities that get a chance to participate in sports also develop strong social bonds. As a result, many non-profit sports organizations have ventured into helping society through sports.

People who play, exercise, and are active daily are strong and healthy. For example, delayed onset of diabetes, low blood pressure, lowers cardiovascular diseases and general body health are some of the ways sports facilities help in the community's health. Furthermore, strengthening the immune system and increasing white blood cells are other benefits of exercising.

**Reducing Stress** - The benefits of exercises are extended to the way people think and their mental states. Stress affects communities at large, but people engaging in exercising activities are resilient to stress. Sports and recreational activities have positive impacts on happiness.

Sports infrastructure, such as stadiums, sports halls, swimming pools, fitness facilities, ski resorts, golf courses and other sports infrastructure.

#### **1.2 PROBLEM STATEMENT**

To build a platform which has inventory of all sports infrastructures and clubs. It will act as an intermediate between users and infrastructures.

### **1.3 OBJECTIVE**

A website which has inventory of all sports infrastructures. It will include both indoor and outdoor games. Outdoor games like Cricket, Football, Hockey, Basketball, Volleyball, Kabaddi, Tennis, table tennis, Kho Kho, and more. Indoor Games like Chess, Carrom, Club games like pool table, Bowling etc. It will contain information like full address, contact number, timings, admission fees, reviews, ownership of the infrastructure. Both users and the infrastructure will be able to sign up and login. Users can register into the infrastructure through the website. Users can rate and review the infrastructures. Using this, the infrastructure can improve themselves.

### **1.4 SCOPE**

Our project the inventory of sports infrastructure can be a great deal for both sportspeople and infrastructures. Both parties will definitely benefit from it.

It will help sportspersons to find the best sports infrastructure according to their requirements. It will further be very helpful in their career.

Infrastructures will gain a lot of users. They can upgrade & improve themselves and gain more users.

Clubs will also gain a lot of users. Most people are unaware about the clubs in their areas. It will be really helpful for the clubs.

## CHAPTER 2

### LITERATURE SURVEY

In India, sports sector has seen exponential growth and is considered to be the next big opportunity. Infrastructure acts as a sign of growth, and for sports in particular, infrastructure is the backbone of the sector. Sports tends to have an overall positive impact on the state of health, education and the economy at large, as it has been found by a large number of empirical studies. In the past few decades we have witnessed countries such as America, Australia and China invest heavily in the sports domain, especially at grassroots level to develop community sports complexes and facilities. These facilities are available to their young population across schools, colleges and universities. This has aided these countries to be some of the chart leaders and global sporting powers in world games with their athletes being able to practice at state-of-the-art infrastructure facilities.

Khelo India is a government project is divided into 12 verticals, some which are:

- Play field development
- Sports for Women
- Sports for peace and development
- State level Khelo India centers
- Talent search and development
- Community coaching development
- Promotion of rural/indigenous/ tribal games
- Physical fitness of school children, and more.

There are high-powered sports committees set up who scout for the talented players across these verticals and offer annual financial assistance of INR 5 lakh per annum for 8 years.

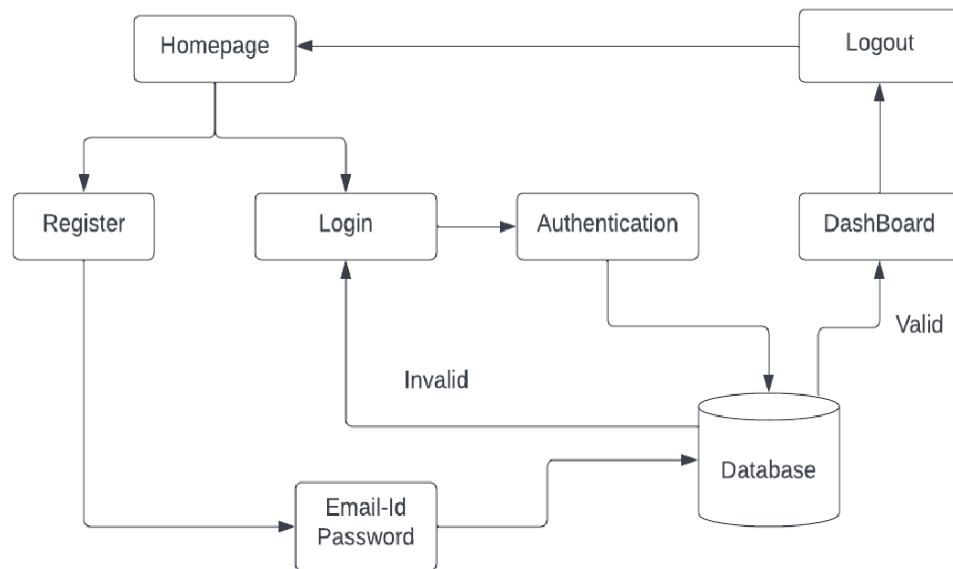
Khelo India School Games invites students for Under-17 category in disciplines such as Archery, Badminton, Basketball, Judo, Kabaddi, Kho-Kho, Wrestling, Hockey and more.

One of the biggest beneficiaries of the Sports budget in India this year has been Khelo India. The budget stands at INR 974 crore, a sustainable increase from previous years, to reach grassroots level and scout for the best of the talent while encouraging sports across India to build a sporting nation known for its talent globally.

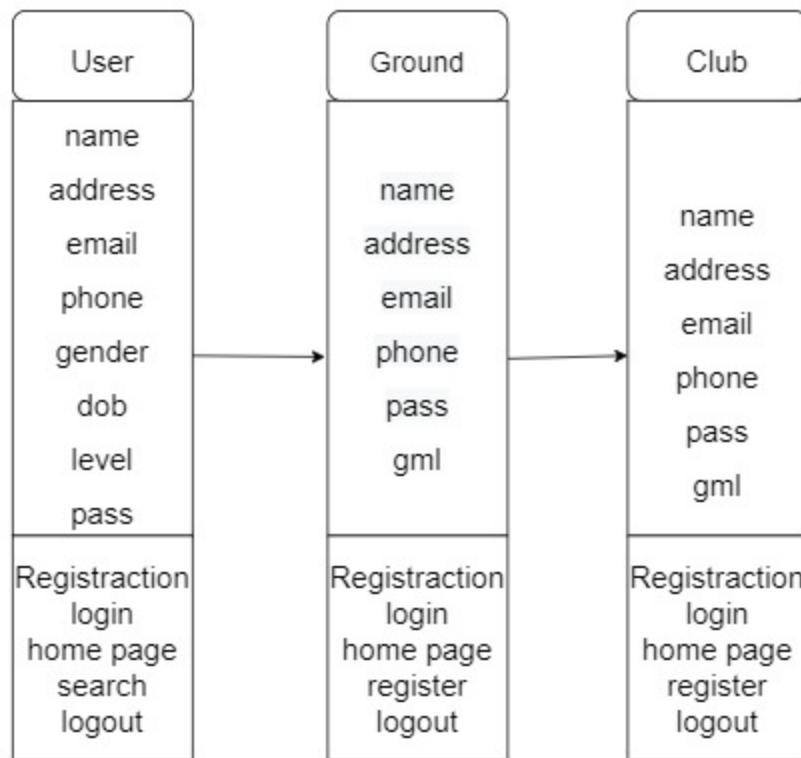
## CHAPTER 3

### SYSTEM DESIGN

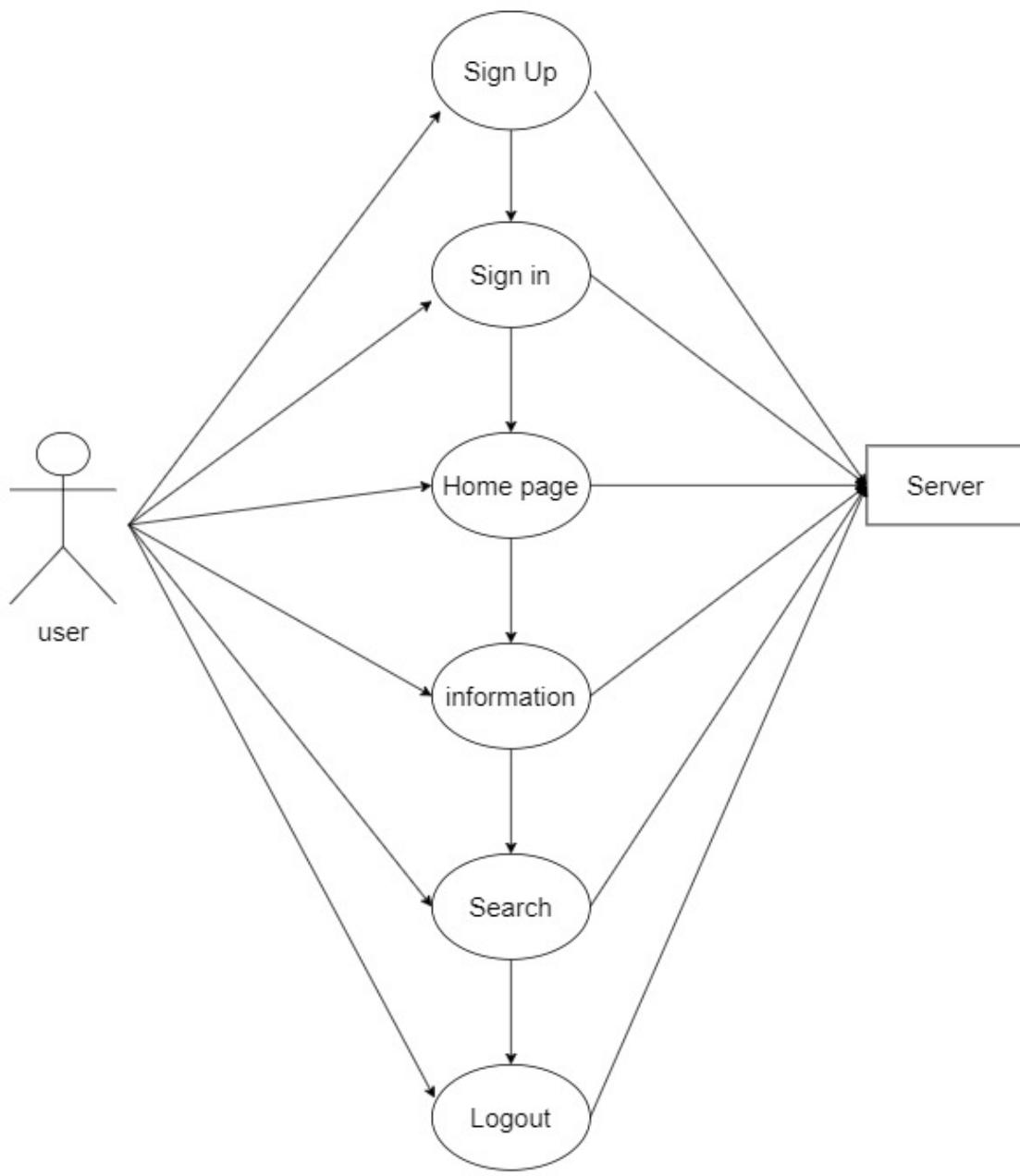
#### 3.1 Data Flow Diagram



#### 3.2 Class Diagram

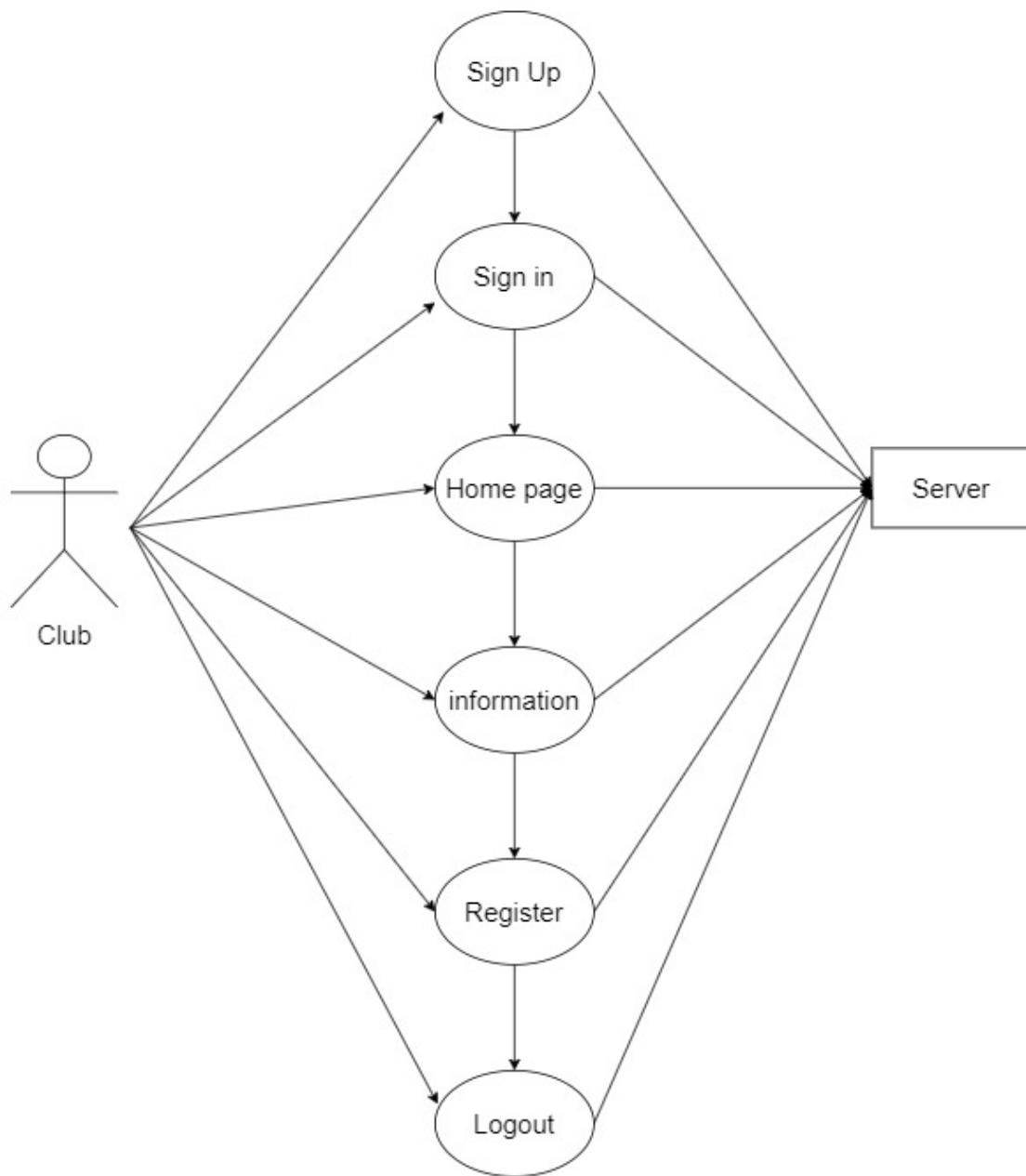


### 3.3 Use Case Diagram



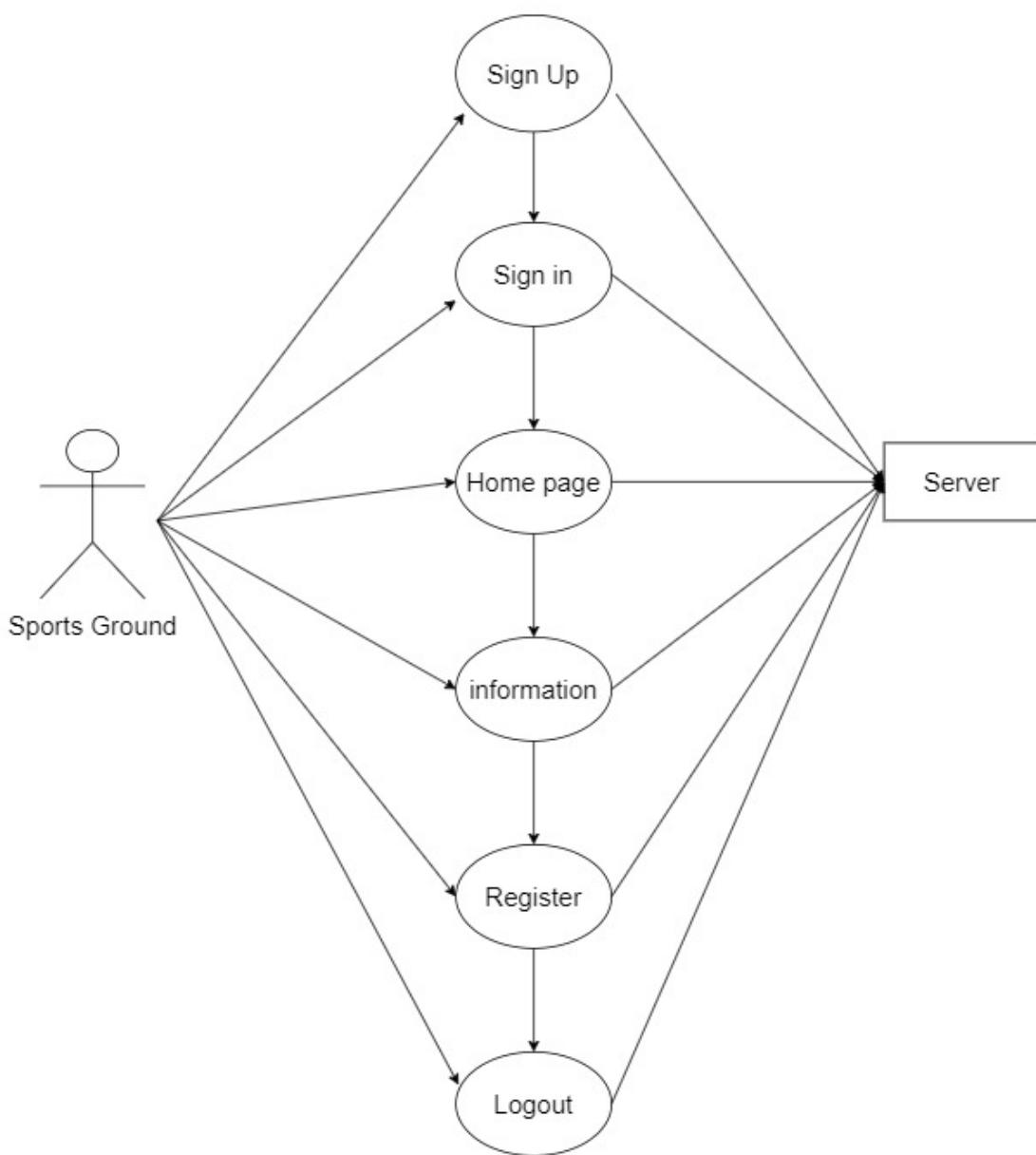
Use Case Diagram

**USER**



Use Case Diagram

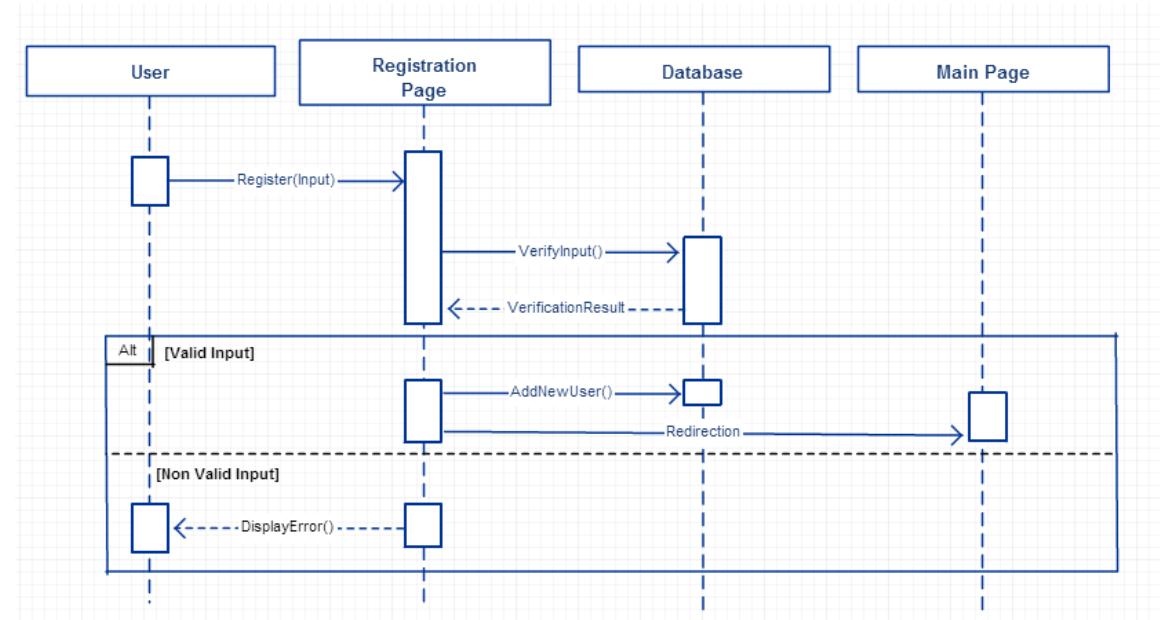
**CLUB**



Use Case Diagram

**SPORT GROUND**

### 3.4 Sequence Diagram



## **CHAPTER 4**

### **REQUIREMENT SPECIFICATION**

#### **5.1 Software Requirements**

- ❖ Front end : HTML5, CSS3, JavaScript
- ❖ Back end : php
- ❖ Database : MySQL
- ❖ Server : xampp, apache, MySQL
- ❖ Web Browser : Any (Chrome Recommended)

#### **5.2 Hardware Requirements**

- ❖ Operating System : Windows XP and above, Android 5 onwards, MacOS.
- ❖ Processor : Intel i3 and above, Ryzen 3 onwards
- ❖ RAM : Minimum 512 MB

## **CHAPTER 5**

### **IMPLEMENTATION**

#### **Registration**

In the registration module candidates have to include all the details like personal details like full name, contact details, age, identity proof etc. Also candidates have to add their interested sports. While infrastructures and clubs have to add their full name, contact details, full address, organization details, equipment availability for the registration and upload full details of any logo and complete profile. As shown in Diagram 2.

#### **Login**

Users have to login in using the login credentials created in the registration process. Then the users can fill in their basic details and update their profile. As shown in Diagram 2.

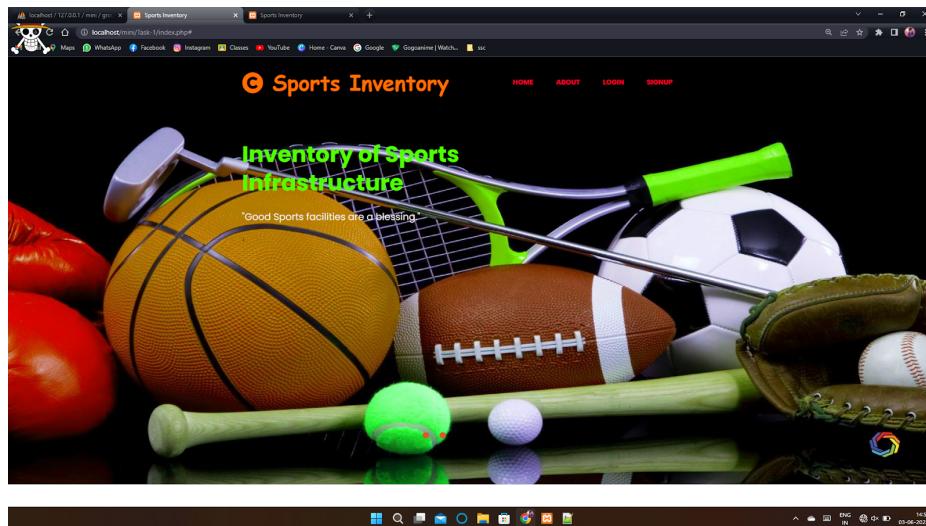
#### **Search**

Users can search according to their interest. They can search by type of sports, location, etc And also check their requirements like mentor availability, equipment availability etc. The Infrastructures/clubs can manage and display what information and details they want to display on their profile. As shown in Diagram 4.

#### **Database**

All the user details, infrastructural details, clubs details are stored in the MySQL database, apache servers and xampp servers.

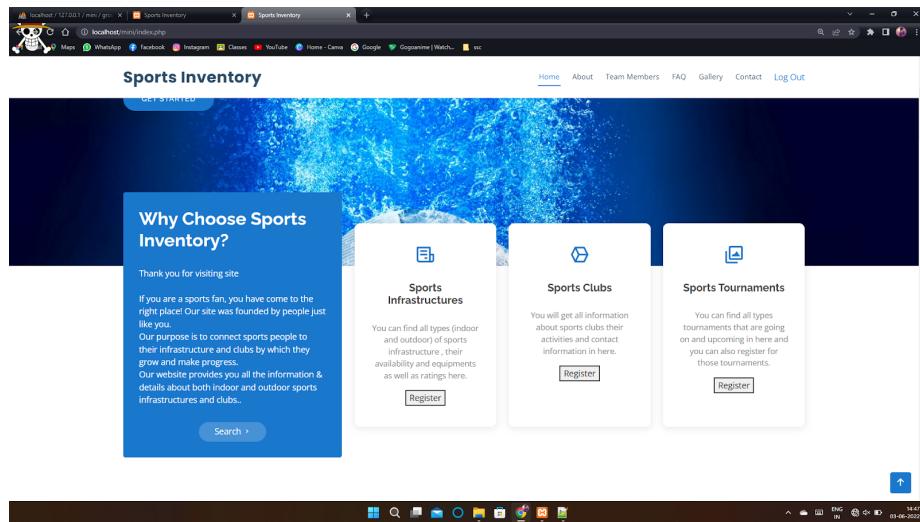
## Index Page : Diagram 1



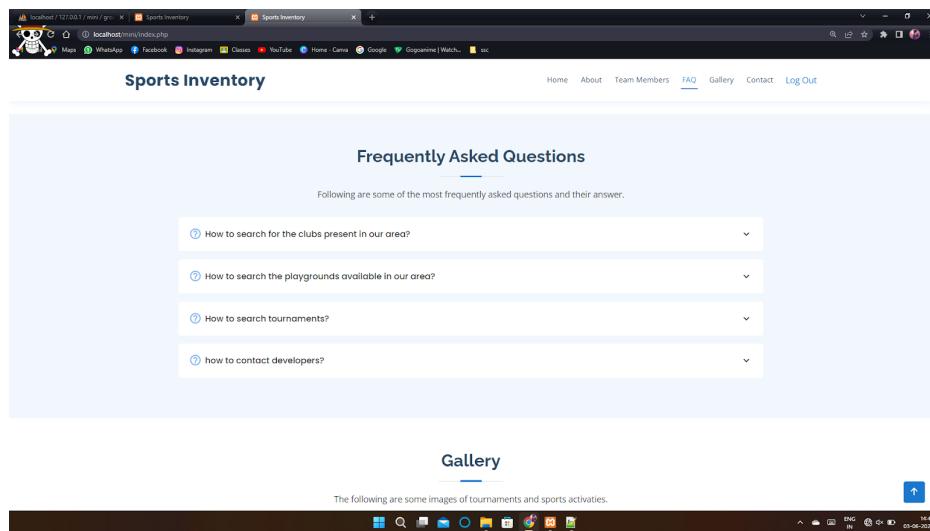
## Registration Page : Diagram 2

## Home Page : Diagram 3.1

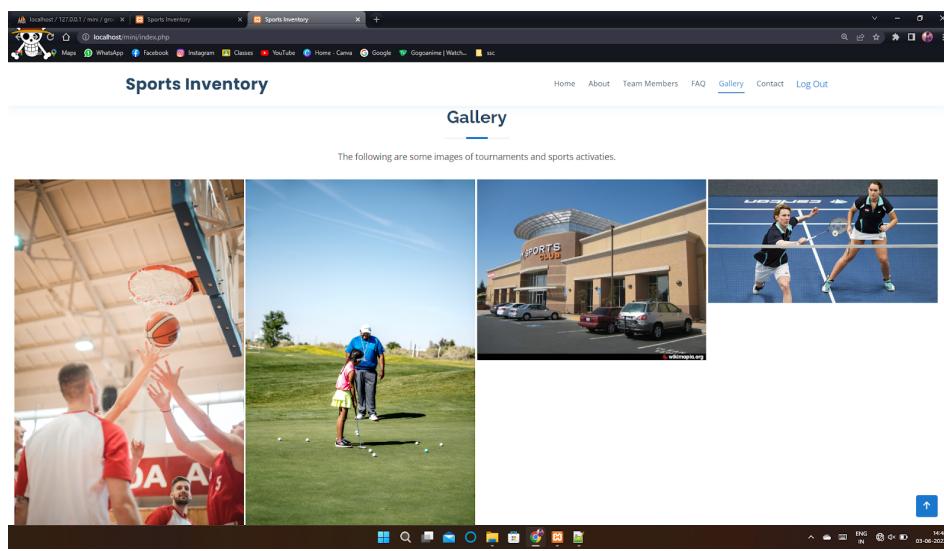
## Home Page : Diagram 3.2



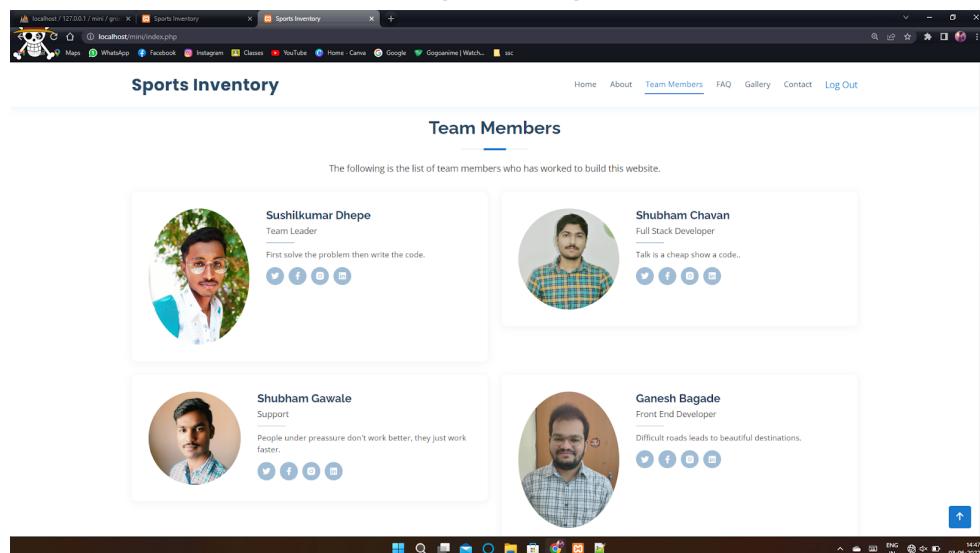
## Home Page : Diagram 3.3



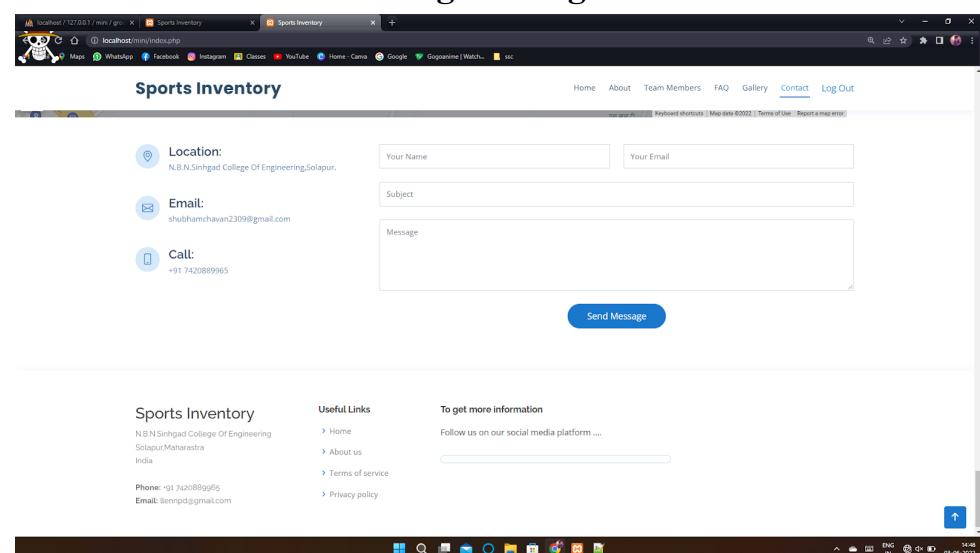
## Home Page : Diagram 3.4



## Home Page : Diagram 3.5



## Home Page : Diagram 3.6



## Search Page : Diagram 4



## **CHAPTER 6**

### **CONCLUSION AND FUTURE SCOPE**

#### **6.1 Conclusion**

Our site will connect sportspeople to infrastructure/clubs. It will act as an intermediate. It fulfills our objectives and problem statement. It has been a great pleasure for us to work on this exciting and challenging project.

#### **6.2 Future Scope**

Our project Inventory of Sports Infrastructure is ready with its base. But there can be further more features added to it.

We are planning to integrate the admission process to the infrastructure and clubs directly from our website. The infrastructures and clubs will also be able to display their admission fees, memberships, offers etc on their profile on our website.

For tournaments, we are planning to add registration process functionality. Also we are going to add support for events, their registration, time details etc.

## **REFERENCE**

### **Books :**

- HTML & CSS: Design and Build Websites Book by Jon Duckett
- Sams Teach Yourself PHP, MySQL and Apache All in One by Meloni J C

### **Sites :**

[https://en.wikipedia.org/wiki/List\\_of\\_sports](https://en.wikipedia.org/wiki/List_of_sports)

<https://www.sih.gov.in/sih2022PS>