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**School of Computer Science and Engineering
VIT University
Vellore, India**

**CSE-3002
Internet and Web Programming
Project Based Component
(J-Component)**

**Prof. Arun Kumar G
SLOT: E1/E2
L41+42**

Sports Adda: A Sports Website for connecting sports enthusiasts

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1. ABSTRACT

Sports are an important aspect of one's life. Sports websites nowadays provide us with all the information we need to keep ourselves updated with everything related to sports. There is no evergreen entertainer as sports and due to the increased number of sports fan in the last decade, many people search for sports related information, learn or know about new sports such as kabaddi, and even play real time outdoor games. There needs to be a platform where all these thrive at once. This will surely relieve the user from the timber some process of searching different websites for different purposes. In universities, there are many sports teams but only few students turn out to play when it comes down to collecting a large group of students together. They must interact with others to have a match with bid or without a bid. There is no pre-existing website to bring together a team of sports enthusiasts so that they can play sports of their choice and provide vital information related to sports all at the same time.

2. INTRODUCTION

To develop a website which provides a single platform for – checking live scores, creating an individual profile and get connected to other users through the places they live at, latest sports news, ongoing matches, player and team rankings. A simple algorithm to sort all the users which live in a particular area and connect them together so that they can collaborate and play any sport of their choice. The project uses HTML, CSS, Bootstrap, JavaScript, Php and MySQL for functionality. The website makes API calls to major sports websites to fetch data and display them on the webpage, uses iFrame to collect live scores and YouTube to display all trending videos related to sports.

2.1 Existing Systems

All currently existing websites display news related to sports. There is no such website which tries to bring together a group of sports enthusiasts so that they can play sports of their choice by collaborating with each other. India is lagging behind in sports due to the fact that most students don't have a proper, well developed platform to make sure they get connected with their fellow sports players.

2.2 Problem statement

The online application enables users to login or sign up and try to connect with other users with similar taste in sports. There is no existing application which enables users to do the mentioned functionality. A consolidated system which contains everything a sports website needs - Live scores, Sports news (using APIs), Rankings in addition to connecting sports fans together.

Expected benefits:

1. This will make sure users don't have to visit different websites for different information about sports

2. The system will help to reduce the cost of labor.
3. The system will be less probable to make mistake, since it's a machine.
4. This system will make sure the method of connecting sports fans is efficient and reliable keeping in mind that every user's private information should be safe guarded.
5. The system will be available all the time to help connect fans.

2.3 Technical Specifications

The interface is designed using HTML5, CSS, Javascript. To establish servers and database on the local computer Mamp Server has been used. Storing and displaying databases has been executed through PHP and MySQL. PHPmyAdmin is used to design the schema and tables for storing the information.

3. PROJECT TIMELINE

DATE	REVIEW	PROGRESS
23/07/18	Review 1	Presenting topic, abstract, basic design and layout of project
3/09/18	Review 2	Execution of front-end using HTML5, CSS and JavaScript
23/10/18	Review 3	Execution of back-end by storing and displaying databases in MySQL using PHP

4. PROPOSED SYSTEM ARCHITECTURE

4.1 Overview

The proposed system architecture consists several modules which have been discussed below:

MODULE 1 - NEWS

In this module you get to view the live news which will get updated every one hour. This is dynamically produced using API. The user can view all the sports related news be Football, Cricket or his own Favourite Sports.

Website like ESPN, CRICKINFO, STARSPORTS, and GOLFTODAY were referred to generate this dynamic API.

MODULE 2 - FIXTURES

In this module you get to view the upcoming matches with their respective dates (time period and venues). The fixtures of the following sports are being displayed in this module: CRICKET, FOOTBALL, TENNIS and GOLF.

This module can be worked and can be generated dynamically so that we get to view the upcoming matches regularly.

Dynamic API.

MODULE 3 - RANKING

In this module you get to view the rankings of the respective sports like CRICKET which consists of several linked webpages like ODI, TEST, T20 consisting of all the players playing this sport and their world ranking. This data is referred from websites like ESPN and CRICKINFO. Coming to the sport of Football, Tennis and Golf you have the similar function which were specified in the Cricket.

MODULE 4 - PLAYERS

In this module the user gets to view all the sports like Cricket, Football, Tennis, and Golf. In the sport of cricket, the top ten teams of the world have been listed as of the beta version of the website and for each team of the country, all the players who are the playing 11 have been listed. Once you wish to view the bio of each players you just click the hyperlink of the player and the user gets to view all the bio of the requested player.

This is similar in case of every sport based on the world rankings.

MODULE 5 - LIVESCORES

We come to the most interesting module of our website that is the live score which is generated using I frames from a website called now goal. In this module the user get to view all the sports like Soccer, Basketball, Tennis, Football, Baseball, Hockey, Snooker. The user gets to set preferences based on the sport he wish to see. The user also get to view the upcoming date where and when the matches are being held.

You have an option of using this module in another language also and the user can set or simplify his live score update based on the sport he wish to see. This also shows results and at what time is the match the user wish to view is running.

MODULE 6 - LOGIN

In this module we have given a platform for a user to login and meet nearby people who are a part of this website and have interest in similar fields. Once user create an account his location is being asked for and then the users are sorted and displayed on the basis of their location.

This module also consists of a website is you wish to be a new user of our website. The user has to give his valid email id and has to set a password for this Sports Adda user account.

4.2 Implementation

An advanced editor – atom will be used to develop a web page using HTML, CSS, JAVASCRIPT. The back end comprises of maintaining individual profile using PHP and SQL. Integrating front end and back end to a full stack designing of the web page Sports Adda.com.

With the help of CSS3 user interactive interfaces will be developed and HTML5 form elements will be employed for a legitimate sign-up and login form. The laptop itself will act as a server through MySQL server on the local disk. Several webpages to a common homepage titled as “SPORTS ADDA”. Dropdowns, navigation bar, image map and image slide show will be included for a better user experience.

The web developers of this website have implemented all the codes in such a way that each web page is linked through one and other and as we click on one webpage we have an opportunity to get redirected to the home page link.

Similarly, pages like fixtures players live scores ranking etc. are similar CSS properties so as to give a symmetry to the web design.

So we start with HOME page which basically consists of all the modules activities going on the website. The user gets several option of the choice of modules.

Secondly we come to the web page NEWS which is dynamically programmed providing all the current news which gets updated every hour. Further this can be reconstructed so that the implementation can be on the basics of seconds.

Then come FIXTURES where the web page provides the user all information regarding the match to be held in upcoming future.

RANKING is the next module a user gets to interact with which provides rankings of the teams/players in various sports

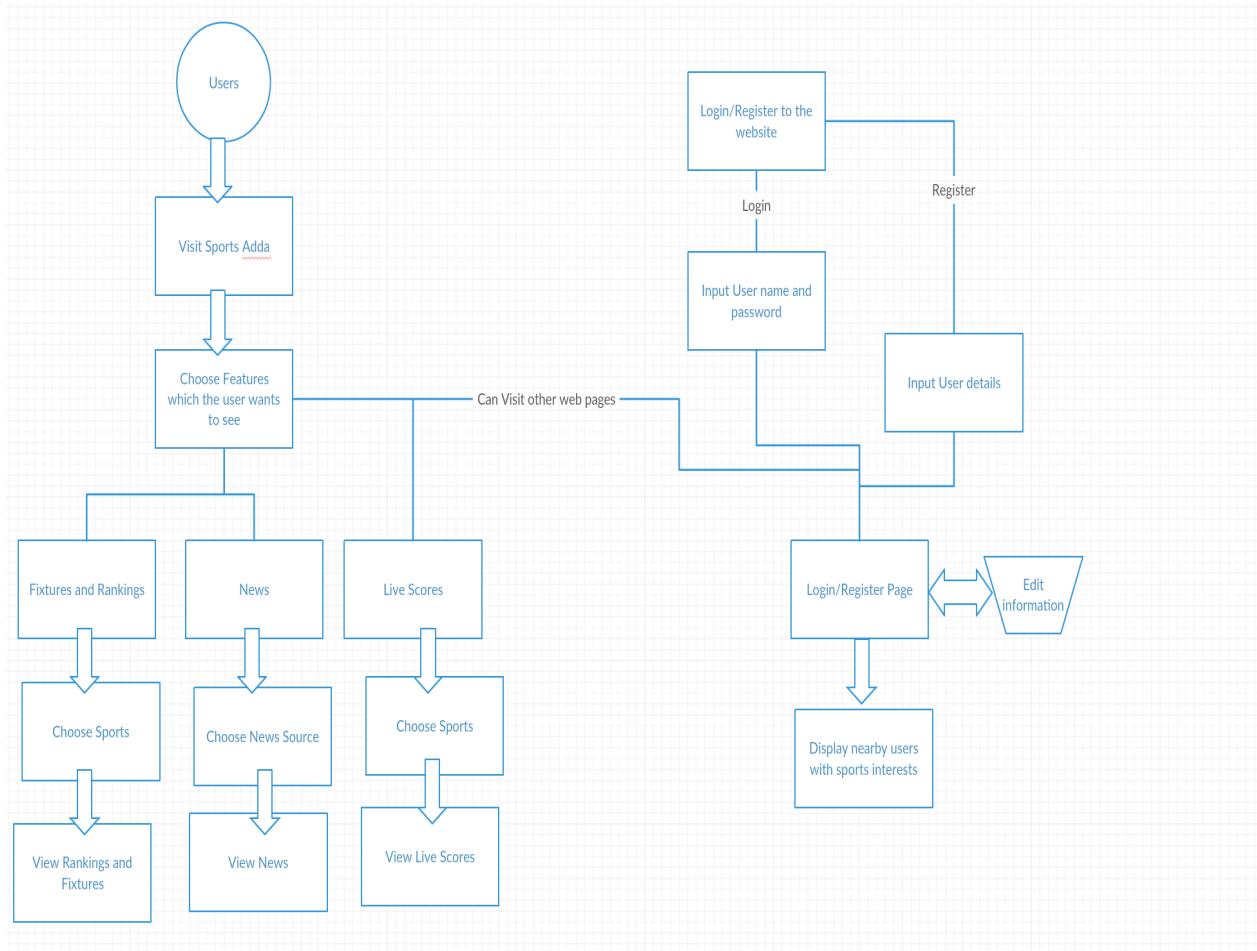
PLAYERS is the module you come across which provides bio about each and every sports you get to view as a user and then provides all the information you need about the player.

Then come the most interesting part that is the LIVE SCORE module which is also programmed dynamically such that it works on the commands of the user such that the user can set his preferences according to choice.

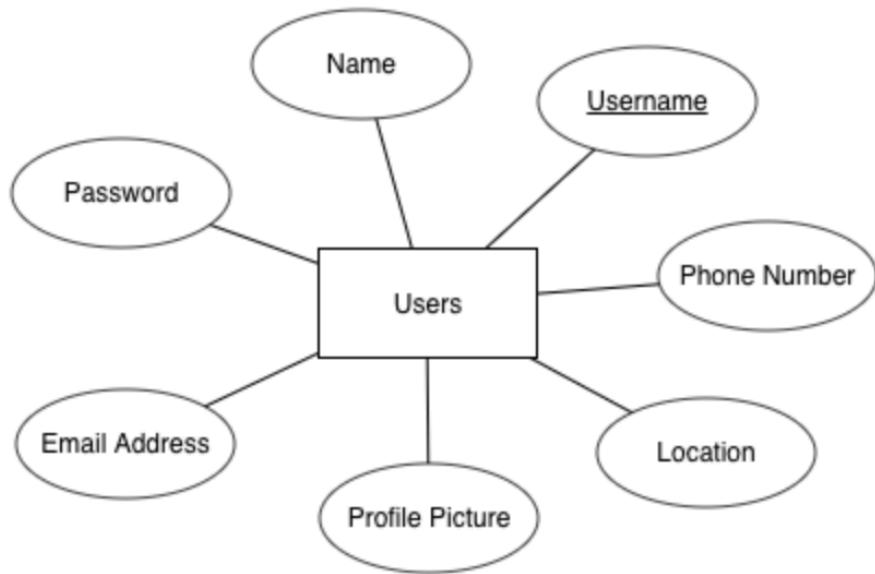
The design specifications of the project can be decomposed in form of high level and low level design specifications that will be presented next.

The Object-Oriented Analysis and design (OOAD) of the project will decompose it into individual modules to describe the HLD. This will discuss basic functionalities and databases associated with the project in detail. The LLD deals with program specification and unit test plan.

4.3 High Level Design

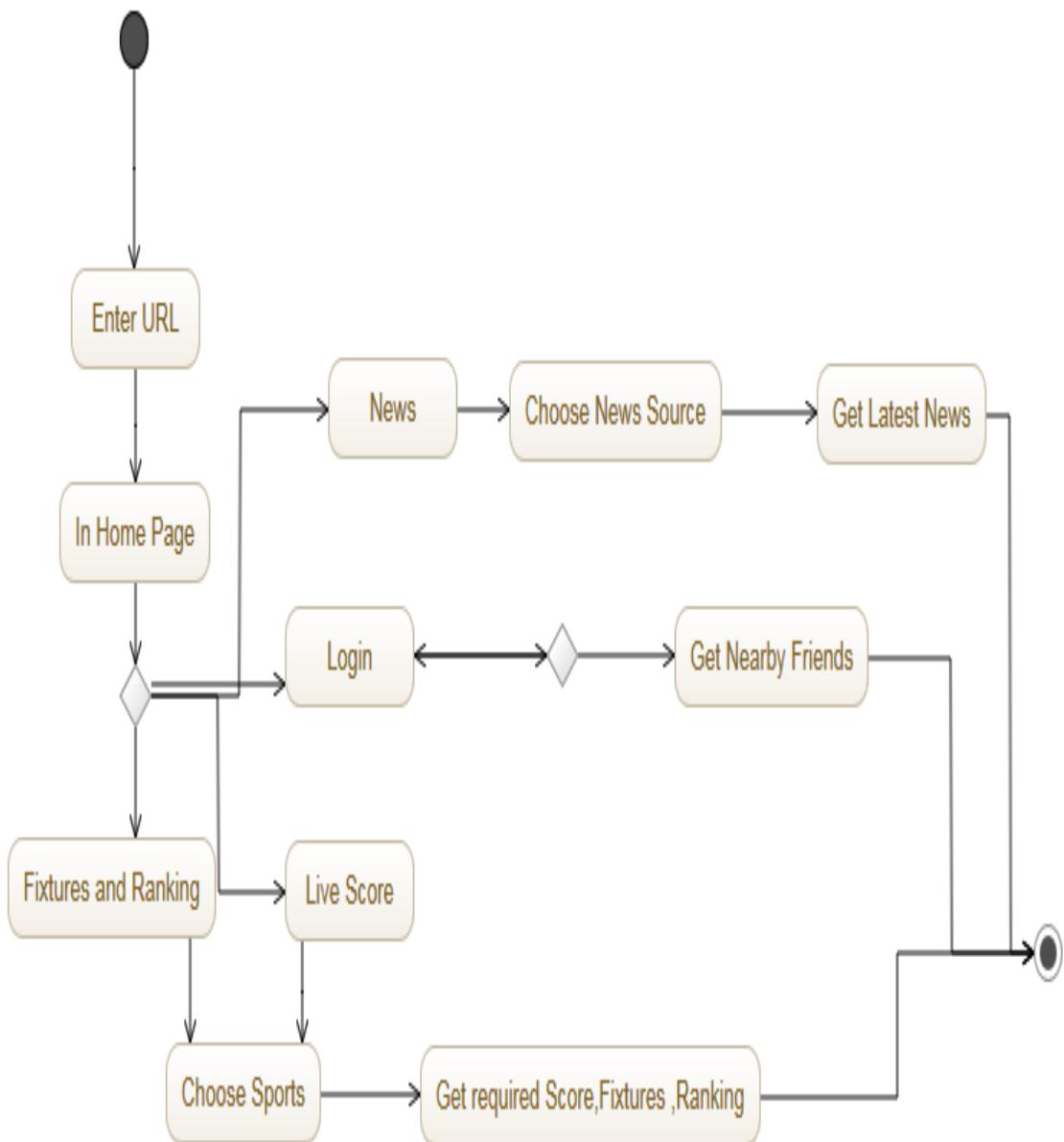


ER Diagram

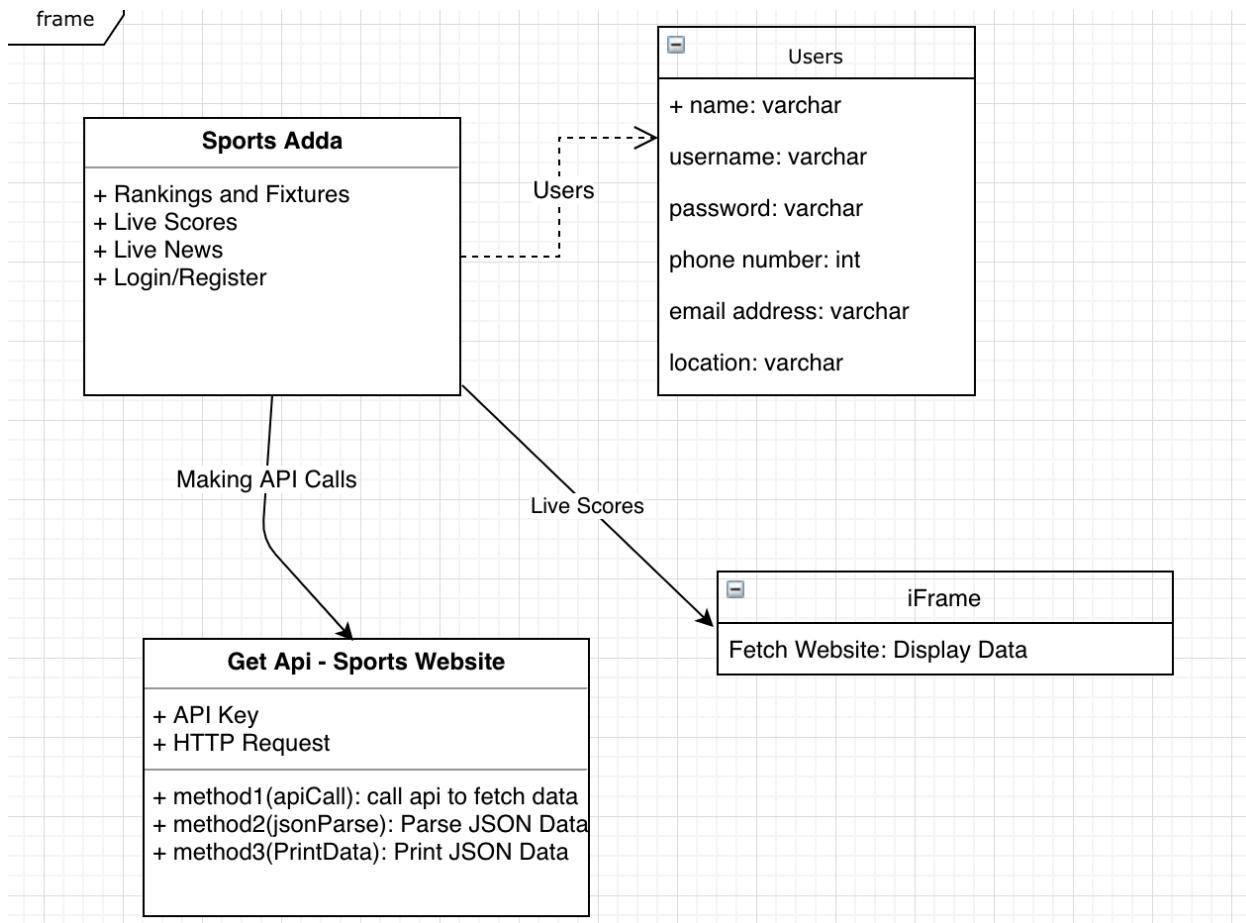


Only 1 Table 'Users' Consisting of the above mentioned attributes.

Flowchart



4.4 Low Level Diagram



5. RESULTS & OUTPUT:

A screenshot of a web browser window displaying the 'Sports Adda' website at localhost:7000. The page features a dark header with navigation links for HOME, NEWS, FIXTURES, RANKING, PLAYERS, and LIVE SCORES. On the right side of the header is a 'LOGIN' button. Below the header, a large banner with the word 'WELCOME' in white, bold, underlined text is displayed. Underneath the banner, a smaller text reads 'YOU CAN SEE FIXTURES, RANKING, PLAYERS AND MUCH MORE!'. The background of the main content area is a dark image of a cricket ball.

BENEFITS OF SPORTS

A screenshot of a web browser window displaying the 'Cricket News' section of the 'Sports Adda' website at localhost:7000. The layout is identical to the homepage, with a dark header and a 'WELCOME' banner. Below the banner, the main content area is titled 'Cricket News' in large, bold, black text. A single news article is visible, with the headline "'Fully fit' Jadhav stumped by ODI non-selection'". A brief summary of the article is shown below the headline.

'Fully fit' Jadhav stumped by ODI non-selection

In another case of mixed messages from the selectors, the India batsman was told he would be a part of the squad for the final three West Indies ODIs.

localhost:7000 / localhost / spc Sports Adda

localhost:7000/sa/fixtures.html

Paused

HOME NEWS FIXTURES RANKING PLAYERS LIVE SCORES LOGIN

FIXTURES

Choose your Favourite Sport



localhost:7000/sa/cricfixt.html

localhost:7000 / localhost / spc Sports Adda

localhost:7000/sa/cricketodiranking.html

Paused

HOME NEWS FIXTURES RANKING PLAYERS LIVE SCORES LOGIN

Rankings

NAME

Rating

1	South Africa	120
2	India	119
3	Australia	114
4	England	114
5	New Zealand	113
6	Pakistan	99
7	Bangladesh	83
8	Sri Lanka	77
9	West Indies	54

localhost:7000 / localhost / spc Sports Adda

localhost:7000/sa/livescore.html

Apps Free music downl... SA 0/0 (0.5 ov, A... Live cricket score... Account Recovery... Google Windows 8 Shortc... Applicant Details CIS_17a/Menu.cpp... Paused

HOME NEWS FIXTURES RANKING PLAYERS LIVE SCORES LOGIN

ScoresInLive.com

MAIN MENU

- HOME
- SOCCER
- BASKETBALL
- TENNIS
- ICE HOCKEY
- AMERICAN FOOTBALL
- BASEBALL

OTHER SPORTS

- HORSE RACING
- RUGBY UNION
- RUGBY LEAGUE
- GOLF
- UK GREYHOUND
- FORMULA 1

MENU

LIVE SCORES - ALL TODAY SPORTS LIVE SCORES AND RESULTS

Waiting for www.goaloo.com...

localhost:7000 / localhost / spc Sports Adda

localhost:7000/sa/3.php

Apps Free music downl... SA 0/0 (0.5 ov, A... Live cricket score... Account Recovery... Google Windows 8 Shortc... Applicant Details CIS_17a/Menu.cpp... Paused

HOME NEWS FIXTURES RANKING PLAYERS LIVE SCORES LOGIN

YOUR PROFILE

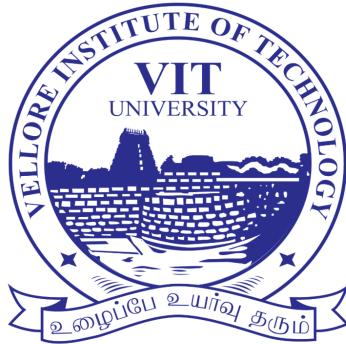
Profile picture	Username	Name	E-mail id	Place	Contact
 edit	lakshay edit	Lakshay Arora edit	lakshay@gmail.com edit	VELLORE edit	9643991885 edit

YOUR NEARBY FRIENDS

localhost:7000 / localhost / spc × Sports Adda × +

localhost:7000/sa/contact.html

Apps Free music downl... SA 0/0 (0.5 ov, A... Live cricket score... Account Recovery... Google Windows 8 Shortc... Applicant Details CIS_17a/Menu.cpp... Paused



We are a team of passionate and enthusiastic developers who work to make life easier and better. We study at one of the best universities of the country. We are from VIT University, Vellore. We are 24/7 available on our contact information. Feel Free to contact Us.

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ABOUT

Careers and internships
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Team
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localhost:7000 / localhost / spc × Sports Adda × +

localhost:7000/phpmyadmin/sql.php?db=sport&table=profile&pos=0

phpMyAdmin Server: localhost:8889 Database: sport Table: profile

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

```
SELECT * FROM `profile`
```

Show all | Number of rows: 25 Filter rows: Search this table

name	username	email	place	contact	password	pic
adarsh	adarsh	adarsh@gmail.com	VELLORE	9182657382	h2	uploads/adarsh.jpg
rishab	rishab	r@gmail.com	VELLORE	9738388383	h3	uploads/rishab.jpg
Lakshay Arora	lakshay	lakshay@gmail.com	VELLORE	9643991885	h1	uploads/lakshay.jpg

Show all | Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

6. CONCLUSION:

So, as we have discussed, this website is an all in one sports application. Right now it provides us information regarding different sports including football, cricket, golf and tennis.

This can be further scaled up to include more sports.

The login function in this website provides us the option of connecting with your nearby friends according to our location. This can be scaled to use real time location and a chatbot can be implemented. Based on login we can also implement a more dynamic version of the website based on a particular user.

So this project helped us learn a lot about web development and we have been able to implement a full functioning sports website.