

PROJECT REPORT

Presented to Faculty of



P. E. Society's

**Modern College of Arts, Science & Commerce (Autonomous)
Shivajinagar, Pune – 411005
Department of Computer Science**

**M.Sc. Computer Application-II, Semester-IV
2021-22**

In Partial Fulfillment of the Requirement Semester IV Industrial Training
At
Bluepineapple
(Nebbia Technology)

By

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Seat No- 2000026, Semester IV (2021-2022)
MASTERS OF COMPUTER APPLICATION (MSC. CA)

Under The Guidance of

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C E R T I F I C A T E

This is to certify that Mr. /Ms. Akshay Suresh Vishwakarma

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1. Internal Guide _____

2. Internal Examiner _____

3. External Examiner _____

4. Industry Expert _____



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ACCEPTANCE

This is to certify that the undersigned have assessed and evaluated the Project "Sports Live" submitted by **Akshay Suresh Vishwakarma**. The project report has been accepted for the Partial fulfillment of the degree of M.Sc. Computer Application from Modern College, Pune.

1. Internal Guide _____

2. Internal Examiner _____

3. External Examiner _____

4. Industry Expert _____

PLACE: PUNE

DATE:

Acknowledgments

I would like to express my gratitude towards my parents, my college guides and all the team members of Bluepineapple for their kind co-operation and encouragement which helped me in completion of this internship project. I am highly credited to Bluepineapple Organization for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the same. I would like to show my greatest appreciation to Mr. Suresh Burde (Principal Architect at Bluepineapple) for his immense support, encouragement & belief on the team. My thanks and appreciations also go to my colleagues in developing the project and people who have willingly helped me out with their abilities. I would like to extend my sincere thanks to all of them.

DECLARATION

I, **Akshay Suresh Vishwakarma** hereby declare, that the project report entitled “Sports Live” is completed and written by me as a part of the team allotted to me at Bluepineapple and has not previously formed the basis for the award of any degree or diploma or other similar title of this or any other university or examining body.

PLACE: PUNE

DATE:

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Introduction

About the project

Last decade has been one, to remember in terms of sports in India, our country has achieved a lot of milestones and we have done better in those sports which were considered out of reach for Indians. These huge achievements in the sports have created a lot of fan base, especially to the young generation, who not only love to play or watch these sports but are also eager to know every bit of it. To get such updates we have some apps like Cricbuzz. But as we know India is a country where cricket is treated as a religion, this app only focuses on cricket, but what about those people who love to play or watch other sports, sadly for these people there are very limited or no platforms where they can get updates about their favorite game, and the available apps focus on only some popular sports. Hence, to overcome this limitation the current system has been developed which provides live updates of multiples sports (both football and cricket as of now) along with information regarding the stats, scorecard, rankings and some statistical data in graphical form.

Application Features:

The website will cover below sports:

-  Cricket
-  Football

Under each category it will have

-  Ongoing matches
-  Upcoming matches
-  Scorecard

- ⊕ Players, teams and match statistics
- ⊕ News

Assumptions

- ⊕ The data received from the API is true and correct.
- ⊕ Sports for which the system has been built is Cricket & Football considering it to be the popular ones among majority of people.
- ⊕ This application will be used for entertainment / informative use only.

Out-of-scope

- ⊕ More sports can be added in the future.
- ⊕ The data received from the API is limited due to which all information may not be available currently in the system.
- ⊕ No premium membership / subscription added yet.

Caveats:

- ⊕ Our application is partially dependent on third party API .If sometimes they won't work properly then the application will have an issue.

Feasibility study

Technical feasibility

Open source and reliable software-frameworks will be used, hence it is technically feasible

- ⊕ NodeJS with Express for back-end server.
- ⊕ ReactJS for front-end.
- ⊕ MongoDB for Database Management.

Market research and analysis

Sports Live is a platform that features news, articles, and live coverage of matches, player's information, and team rankings etc.

Talking about the market size of the sports industry across India, it was over 18 billion Indian rupees in 2021. Most of the media consumption in the sports industry in the country was from the Indian Premier League. Recently however, other domestic leagues like Pro Kabaddi and the Indian Super League have gained popularity.

There is one interesting fact that the Indian sports market size keeps growing each year, and it is estimated to be worth \$27.89 billion dollar in 2022. This means that people have been and will always be interested in sports. Therefore, the business owners operating in the sports industry should expect high profits, given a proper business strategy, planning, and management. So, why not to enter the market using one of the most innovative approaches, developing a custom web app and launching it for the mass market.

Unique preposition & value creation

This system proposes a single app which will incorporate multiple sport events and news so that users don't have to search or browse at multiple locations. It also presents statistical data graphically, to visually illustrate the data.

Stakeholder Analysis

Identification of stakeholders

Internal stakeholders -

-  Employees
-  Managers

External stakeholders -

-  API provider
-  Users / Customers

Persona identification

Persona 1

Name - Alan

Age - 20

Psyche - Introvert

Background - CSE student

Emotions towards tech - Likes technology and detailed info of an event

Needs of this persona and situations - Alan is a computer student and likes sports very much. He likes to check his favorite team's schedule and scores and compare their performance with previous matches and other teams. He likes to be updated with the live score of an event when he's busy doing other work.

Persona 2

Name - Rick

Age - 35

Psyche - Extrovert

Background - Sales manager

Emotions towards tech - Experienced with technology and likes basic information of an event.

Needs of this persona and situations - Rick is a sales manager at a company. He works hard at his job and enjoys sports in his leisure time. He enjoys multiple sports and likes to be updated with the latest news and matches. Rick doesn't have much time and patience to look through a lot of pages and likes information in a compact manner.

Stakeholder engagement

Engage the internal stakeholders, plan an action and act.

Stakeholder communication

Communicate with internal stakeholders daily via scrum calls and internal meetings.

Project Plan

Project Management Plan

Objectives:

- Build a well-designed working back-end.
- Build an attractive and user-friendly UI.
- Deploy the project.
- Market and advertise the site.

Time frame:

- Phase 1: Project design
- Phase 2: Prototyping
- Phase 3: Deliverable 1
- Phase 4: Testing & Deployment

Project Scope

The idea of sports lives is to provide real time information about sports results from various disciplines. There are now few websites providing live sports. With sports live it is possible to follow live results of many events at the same time, our application also provides some additional information, such as a player list, player details, player statistics, upcoming schedules and representation of statistical data graphically etc. where fans of different sports can gather and can get all possible information about their favorite sports and sports person.

Project Team structure, roles and responsibilities

Atharva M - Full stack developer

Akshay V - Full stack developer

Mokshada M - Full stack developer

Responsibilities:

Atharva M – Designing and Implementation

Akshay V – Designing and Implementation

Mokshada M – Designing and Implementation

Figure 1.0 Project Tracking, Scheduling

WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	WEEK 1		WEEK 2		WEEK 3		WEEK 4		WEEK 5						
							M	T	W	R	F	M	T	W	R	F	M	T	W	R	F
1	Project Conception and Initiation																				
1.1	Project Charter	Akshay V	3/21/22	3/26/22	5	100%															
1.1.1	Project Charter Revisions	Team	3/26/22	3/28/22	2	100%															
1.2	Market Research and Analysis	Akshay V	4/4/22	4/5/22	1	100%															
1.3	Assumptions, Out of Scope & Caveats	Mokshada M	4/4/22	4/5/22	1	100%															
1.4	Stakeholder Analysis	Atharva M	4/4/22	4/5/22	1	100%															
1.5	Project Initiation	Atharva M	3/29/22	4/1/22	2	100%															
2	Project Definition and Planning																				
2.1	Project Management Plan	Atharva M	4/5/22	4/6/22	1	100%															
2.2	Scope	Akshay V	4/5/22	4/6/22	1	100%															
2.3	Communication Plan	Atharva M	4/5/22	4/6/22	1	100%															
2.4	Risk Management	Mokshada M, Akshay V	4/5/22	4/6/22	1	100%															
2.5	Project Tracking and Scheduling	Atharva M	4/6/22	4/7/22	1	30%															
2.5	Requirements Analysis	Akshay V, Mokshada M	4/6/22	4/7/22	1	100%															
2.5	User Stories	Team	4/7/22	4/8/22	1	0%															
3	Project Launch and Execution																				
3.1	Status and Tracking					0	0%														

A Gantt chart is used to track all the tasks which are scheduled.

The project schedule contains:

- A project timeline with start dates, end dates and milestones
- The work necessary to complete the project deliverables
- The team members that are responsible for each task

Product Backlog, Scrum cycle, methodology

Product Backlog

Trello is being used for keeping track of product backlogs and agile sprints.

The Trello board used has a list for:

- Product backlog
- To Do
- Doing
- QA
- Done

Scrum Cycle

Considering the time frame for the project, we have a week sprint duration. In this cycle, the team decides on a goal for that week, and conducts a daily scrum call at the start of the day to discuss what tasks each team member will do for that respective day.

After which, at the end of every sprint, review of the work with the previously set goal and assessing the speed and performance of the team is done along with look for ways to improve it.

Requirement Analysis

As the goal of the application is ease of use and to provide an interactive interface, research has been done to gain an insight into the needs and behaviors of various users. The working of the application is made convenient and easy to use for the end user.

Requirement collection methods used

To produce the Organization, Vision and Scope of the application, a method is proposed consisting of a series of activities that is ordered in a certain way. In these methods, there are activities for resolving the sports-live key elements to ensure that the developed sports-live website/application will lead to business success. The rationales of the proposed method are as follows:

1. Questionnaire

Some basic questions were prepared based on the analysis done with close circles (friends and family) to identify what people want to see in sports related applications.

2. Analyzing similar websites:

The purpose of these activities is to learn/analyze the competitors and the results are then used to formulate the key elements of the competitive environment and advantages. This includes tasks such as analyzing the web features that annoy as well as impress users (page layouts, navigation between pages, ease of use, guidance, etc.)

User stories

Table 1.0 List of All Must Have User Stories

Sr. No	User Stories
1.	As a user I want to see options of multiple sports.
2.	As a user I want to see Details of Featured Matches of Cricket.
3.	As a user I want to see the Teams of Cricket.
4.	As a user I want to see the Schedule matches of Each Team of Cricket.
5.	As a user I want to see the Players of Each Team of Cricket.
6.	As a user I want to see the Statistic part of Each Team of Cricket.
7.	As a user I want to see the Latest News of Cricket.
8.	As a user I want to see the Rankings of Players according to their Role (Batting, Bowling) as well as type of Matches (Test, ODI, T20) of Cricket.
9.	As a user I want to see the Live Score in sorted format according to Type of Match.
10.	As a user I want to see the List of Series and their Details of Cricket.
11.	As a user I want to Search for a player by their Name and see their Details.
12.	As a user I want to see the Live Score of Football.
13.	As a user I want to see the List of League Matches of Football.
14.	As a user I want to see the Details of the Particular League, <ul style="list-style-type: none">• League matches• Teams• Point Table
15.	As a user I want to see the Latest News of Football.
16.	As a user I want to see the latest FIFA Rankings.
17.	As a user I want to see the Gallery of Football.

Detailed User Stories Description

This part of the project describes, detailed description of each user story mentioned above with the tasks listed to complete its development along with the estimated as well as actual time required to achieve it.

1 unit = 60 mins on which estimated and actual time is calculated.

Table 1.1.1 Landing Page Integration

Sr. No.	1
User Story	As a user I want to see options of multiple sports.
Description	On a Landing Page of our website, On top navigation Bar We are Showing two main sports categories (Football and Cricket) After Clicking on that it will navigate to the home Page of that sport.

Task. No.	Task	Expected Time (units)	Actual Time (units)
1.	Creating UI of Landing Page	6	5
2.	Backend Integration of Landing Page	7	5
Total		13	10

Table 1.1.2 Cricket Featured Match Page Integration

Sr. No.	2.
User Story	As a user I want to see Details Featured Matches of Cricket.
Description	On the Home Page of Cricket at the top of Page we are showing the short Details of Featured matches in card format. After clicking on the card it will navigate to the Detailed page of Featured matches and on that page we are showing the name, date and time, venue, live score of that match.

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Create cards of Featured matches on Home Page with backend integration	7	9

Task No.	Task	Expected Time (units)	Actual Time (units)
2.	Create Detailed Page for Featured matches by showing all the data fields.	7	9
3.	Create endpoints of matches and Backend integration of Detailed Page.	8	9
Total		22	27

Table 1.1.3 Cricket Teams Page Integration

Sr. No	3.
User Story	As a user I want to see the Teams of Cricket.
Description	On the Home Page of Cricket at the top of Page there is a navbar on which we have Teams nav. After clicking on Teams it will navigate to the team page on that page we are showing flag and name of teams in table format.

Task No.	Task	Expected Time (units)	Actual Time (units)
1	Creating navbar, adding nav items and routing work.	1	1
2.	Creating UI of Team page, Create end-point of teams and backend integration.	10	13
Total		11	14

Table 1.1.4 Cricket Schedule Match Page Integration

Sr. No	4.
User Story	As a user I want to see the Schedule matches of Each Team of Cricket.
Description	On the Team page there is a list of teams in tabular format after clicking on a particular team it will navigate to the Team Detail page on that page there is a schedule button on click on that List of all schedule matches is displayed in list format.

Task No.	Task	Expected Time (units)	Actual Time (units)
1	Make each team card clickable and handle routing so after clicking it will go to Team Details Page.	2	4
2.	Create Team Detail Page with Schedule button and create UI of schedule component.	8	11
3.	Create endpoints of schedule matches and backend integration of team Detail page and schedule page.	10	10
Total		20	25

Table 1.1.5 Cricket Players Page Integration

Sr. No	5.
User Story	As a user I want to see the Players of Each Team of Cricket.
Description	On the Team page there is a list of teams in tabular format after clicking on a particular team it will navigate to the Team Detail page on that page there is a Players button on click on that List of all Players is displayed in list format who are under that team.

Task No.	Task	Expected Time (units)	Actual Time (units)
1	Create Team Detail Page with Player button and Create UI of player component.	8	10
2.	Create endpoints of players of a particular team with backend integration.	10	11
Total		18	21

Table 1.1.6 Cricket tem statistics integration page

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Create Team Detail Page with Statistic button and Create UI of statistic component	8	10
2.	Create endpoints of statistics of that team and backend integration of team Details and statistic page	10	11
Total		18	21

Table 1.1.7 Cricket News Page Integration

Sr. No.	7.
User Story	As a user I want to see the Latest News of Cricket.
Description	On the Home Page of Cricket at the top of Page there is a navbar on which News nav-item is there. After clicking on that cricket related News will be displayed on News page.

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding News nav-item and routing work.	1	1
2.	Creating UI of News page, Create endpoint of News and backend integration	8	9
Total		9	10

Table 1.1.8 Cricket Ranking Page Integration

Sr. No.	8.
User Story	As a user I want to see the Rankings of Players according to their Role (Batting, Bowling) as well as type of Matches (Test, ODI, T20) of Cricket.
Description	On the Home Page of Cricket at the top of Page there is a navbar having Ranking nav-item. After clicking on that, Ranking Page will be displayed that Page contains Batting and Bowling navbar at the top and below that user has options of Test, ODI, and T20. So when user clicks according to his/her choice rankings of the player according to the format will be displayed.

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding ranking nav-item and routing work	1	1
2.	Creating UI of ranking page, create endpoint of ranking (batting, bowling, test, ODI, T20) and their backend integration	16	18
Total		17	19

Table 1.1.9 Cricket Live Score Page Integration

Sr. No.	9.
User Story	As a user I want to see the Live Score in sorted format according to type of Match.
Description	<p>On the Home Page of Cricket at the top of Page there is a navbar having Live scores nav-item. After clicking on that it will navigate to the score page on top of the page there is one dropdown on which user can select match type and then we are displaying match list in sorted format according to match type and in that card it will show you the match details :</p> <ul style="list-style-type: none"> • Team Names • Date and time • Venue • Live score • Status and match type

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding Live Score nav-item and routing work	1	1
2.	Creating UI of Score page	8	8
3.	Create endpoint of matches and their backend integration	5	5
Total		14	14

Table 1.1.10 Cricket Series Page Integration

Sr. No.	10.
User Story	As a user I want to see the list of series and their details.
Description	<p>On the Home Page of Cricket at the top of page there is a navbar on which Series nav-item is there. Clicking on that will navigate to the series page on that we are showing list of series and other details of each series like:</p> <ul style="list-style-type: none"> • Name of Series • Start Date • End Date • TEST, ODI, T20 Matches • Total Matches

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding series nav-item and routing work	1	1
2.	Creating UI for series page	5	8
3.	Create endpoints for series and its backend integration	6	8
Total		12	17

Table 1.1.11 Cricket Search Part Integration

Sr. No.	11.
User Story	As a user I want to search for player by player name and see the details of that player.
Description	<p>On the Home Page of cricket at the top of page there is a navbar which have search option where user can search by player name and then list of players will be appear and after clicking on player name it will navigate to player info page on that page we are showing :</p> <ul style="list-style-type: none"> • Personal Information • Debut • Batting career summary • Bowling career summary

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding search textbox.	1	1
2.	Create UI of player info page.	6	8
3.	Create endpoint of player details and backend integration of search task and player Info page.	8	10
Total		15	19

Table 1.1.12 Football Live Score Page Integration

Sr. No.	12.
User Story	As a user I want to see the live Score of football.
Description	<p>On the home page of football at the top of page there is a navbar on which there is a live score nav-item. After clicking on that it will navigate to the score page on top of the page there is one dropdown on which user can select league and then we are displaying match list in sorted format according to league name and in that card it will show you the match details :</p> <ul style="list-style-type: none"> • Team names • Date • Series • Live score • League season and status

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Create navbar and adding live score nav-item and routing work.	1	1
2.	Create UI of score page with all data fields.	6	7
3.	Create endpoints of live score and backend integration of score page.	6	7
Total		13	15

Table 1.1.13 Football League Match Page Integration

Sr. No.	13.
User Story	As a user I want to see the list of league matches of football.
Description	<p>On the home page of football at the top of page there is a navbar league after clicking on league it will navigate to the league page on that page we are showing:</p> <ul style="list-style-type: none"> • League Country • Country Name • League Logo • League Name

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Create navbar and adding League nav-item and routing work	1	1
2.	Create UI of league page with all data fields.	5	6
3.	Create endpoints of league and backend integration of league page.	6	6
Total		12	13

Table 1.1.14 Detailed League Page Integration

Sr. No.	14.
User Story	As a user I want to see the details of the particular league : <ul style="list-style-type: none">• League matches• Teams• Point Table
Description	On league page there is a list of league in tabular format after clicking on a particular league it will navigate to the league detail page on that page there is a league matches button on click on that we showing list of matches under that league and beside that there is teams button on click of that we are showing list of teams beside that there is a point table button on click on that we are showing points table details in tabular format.

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Make each league card clickable and handle routing so after clicking it will go to league detail page.	2	3
2.	Create league detail page with league matches button and create UI of league matches component	7	8
3.	Create endpoints of league matches and backend integration of league detail page and league matches page.	7	7
4.	Update league detail page with teams button and create UI of team's component.	6	6
5.	Create endpoints of teams and backend integration of league detail page and team's page.	7	7
6.	Update league detail page with point table button and create UI of point table component.	6	5
7.	Create endpoints of point's table and backend integration of league detail page and point's table page.	7	6
Total		42	43

Table 1.1.15 Football News Page Integration

Sr. No.	15.
User Story	As a user I want to see the latest news of football.
Description	After clicking on news on the football nav-bar, football related news will be displayed.

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding news nav-item and routing work.	1	1
2.	Creating UI of news page, create endpoints of news and backend integration	7	6
Total		8	7

Table 1.1.16 FIFA Ranking Page Integration

Sr. No.	16.
User Story	As a user I want to see the latest FIFA rankings.
Description	After clicking on rankings on football nav-bar, ranking of teams will be displayed in tabular format. <ul style="list-style-type: none">• Position• Team flag• Team name

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding ranking nav-item and routing work.	1	1
2.	Creating UI of ranking page, create end-point of ranking and backend integration.	7	7
Total		8	8

Table 1.1.17 Football Gallery Page Integration

Sr. No	17.
User Story	As a user I want to see the Gallery of Football.
Description	After clicking on gallery on football nav-bar, images and related to football will be displayed.

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Updating navbar, adding gallery nav-item and routing work.	1	1
2.	Creating UI of gallery page, create end-point of gallery and backend integration	4	3
Total		5	4

Requirement Estimation

Table 1.2.1 Development Estimation

Sr. No	Total Of All Must Have User Stories	Time (units)
1.	Expected Time	257
2.	Actual Time	287

Table 1.2.2 Estimating Document Estimation

Task No.	Task (Must Have)	Expected Time (units)	Actual Time (units)
1.	Write down User stories.	12	10
2.	Description of each story.	20	24
3.	Detailed task analysis.	20	20
4.	Peer Review.	24	24
TOTAL		76	78

Table 1.2.3 Design Estimation

Task No.	Task	Expected Time (units)	Actual Time (units)
1.	Selecting a software development method to follow – Agile.	2	3
2.	Find entities, their attributes and relation between them.	4	6
3.	Create Class diagram.	4	4
4.	Create database tables.	4	5
5.	Create diagrams: sequence, use case.	6	7
6.	Create must have features – wireframes.	10	11
7.	Select technology stack.	3	4
TOTAL		33	40

Table 1.2.4 Planning Estimation

Sr. No.	Task	Expected Time (units)	Actual Time (units)
1.	High level planning.	8	8
2.	Coding conventions.	5	4
3.	Day-wise task distribution among resources (timeline chart for tracking the tasks of each resource).	13	13
4.	Review planning.	5	8
TOTAL		31	33

Table 1.2.5 Study & Setup Estimation

Sr. No.	Task	Expected Time (units)	Actual Time (units)
1.	React JS & Database.	36	24
2.	Studying ExpressJS.	60	48
3.	Studying about hosting.	12	12
4.	React external libraries, create repository.	36	36
TOTAL		144	120

Table 1.2.6 Documentation Estimation

Task No.	Task (Must Have)	Expected Time (units)	Actual Time (units)
1	Requirements gathering.	8	10
2	Estimation.	6	10
3	Planning.	8	10
4	Design.	12	17
5	Development.	15	17
6	Testing.	8	10
7	Formatting the document.	7	6
TOTAL		64	80

Effort Estimation Report

This type of report describes, the efforts taken by the resources to estimate the time taken to complete estimation for all the Software Development Life Cycle (SDLC) phases of the project.

- Comparison Report

Table 1.3 Comparison Report of All SDLC Phase Estimation

Sr. No.	Tasks (Must Have)	Expected Time (days)	Actual Time (days)
1.	Requirements gathering.	4	4
2.	Estimation.	9	10
3.	Design.	4	5
4.	Planning.	5	4
5.	Study & setup.	18	15
6.	Development.	32	38
7.	Testing.	5	3
8.	Documentation.	8	10
#	TOTAL ESTIMATED TIME	85	89

Total Time Estimated (Considering 8 hrs. per working day)

Table 1.4 Total Estimation Report

Features	Expected Time(days)	Actual Time(days)
Only with must to have	60days	67days
Including nice to have	-	-

Considering 3 resources and excluding the tasks completed

Table 1.5 Summary of Estimation

Features	Expected Date	Actual Date
Only with must have	24 th May 2022	26 th May 2022
Including nice to have	-	-

Design

Peer Review Process

Collaboration Methodology

The collaborative approach helps to be more productive, flexible and mobile in designing the application throughout the different collaborative methods and tools used by us during this process are:

1. CALENDAR SHARING TOOL

This tool helps to organize meeting at different time intervals.

2. FILE SHARING TOOLS:

Different file sharing tools like Google drive etc. allows to transfer files, distribute them and give access. These tool helps to avoid transferring everything via email and saturating inboxes with heavy files.

3. VIDEO-CONFERENCING:

This method helps to communicate with each other sitting at different locations. In person meetings which help to design our project more efficiently and effectively and we were able to discuss pros and cons our system by sitting at the comfort of our houses. For this method we used Google meet.

4. TRELLO

This is a great collaborative tool which helps to organize our work. We have been using this tool to keep track of our work, set agenda, and assign task and set deadline for different task and keeping track of our progress.

Coding Guidelines

Some general guidelines and best practices

1. Standard headers for different module.

For better understanding and maintenance of the code, the header of different modules should follow some standard format and information.

- ⊕ Name of the module
- ⊕ Date of module creation
- ⊕ Author of the module
- ⊕ Modification history
- ⊕ Synopsis of the module about what the module does
- ⊕ Different functions supported in the module along with their input output parameters
- ⊕ Global variables accessed or modified by the module

2. Naming conventions for local variables, global variables, constants and functions

Local variables should be named using camel case lettering starting with small letters (e.g., **local Data**) whereas Global variables names should start with a capital letter (e.g., **Global Data**). Constant names should be formed using capital letters only (e.g., **CONSDATA**).

3. Indentation

- ⊕ There must be a space after giving a comma between two function arguments.
- ⊕ Each nested block should be properly indented and spaced.
Proper Indentation should be there at the beginning and at the end of each block in the program.

4. End of line sequence

We will be using the LF (Line Feed) character as EOL and a **.gitattributes** file to auto configure the EOL character in the repository.

5. Avoid using an identifier for multiple purposes

Source Code Repository

We have created a source code repository on [GitHub](#) which is a free tool used for version Control.

Where all the code related to this project will be shared.

Technical stack details

Sport Live is being developed with quite new and popular, open-source technologies. In this project we wanted to learn and try, how to use all these technologies and how they interact between each other. Further we would like to list all technologies we will use and write a short description for each and why we have chosen it. The main reason for technology choice was good documentation. We think this is the main advantage when you have to select between different technologies.

Technologies used, their versions

Technology Stack

- 👉 Front-end server: ReactJS.
- 👉 Back-end server & Database: ExpressJS & MongoDB

Table 1.6.1 Server-Side libraries

Library	Version	Description
Express	8.0.3	Middleware to communicate between client & server.
Bree	4.17.3	It is a job scheduler. It calls API in some time interval.
Cors	2.8.5	Enables middleware to use CORS.
Mongoose	6.3.0	It manages relationships between data, provides schema validation, and is used to translate between objects in code and the representation of those objects in MongoDB.
node-date time	2.1.2	An extended date object for JavaScript
node-fetch	2.6.1	For fetching data from web server, REST API,
Nodemon	2.0.15	Automatically restart the application and detect file changes.

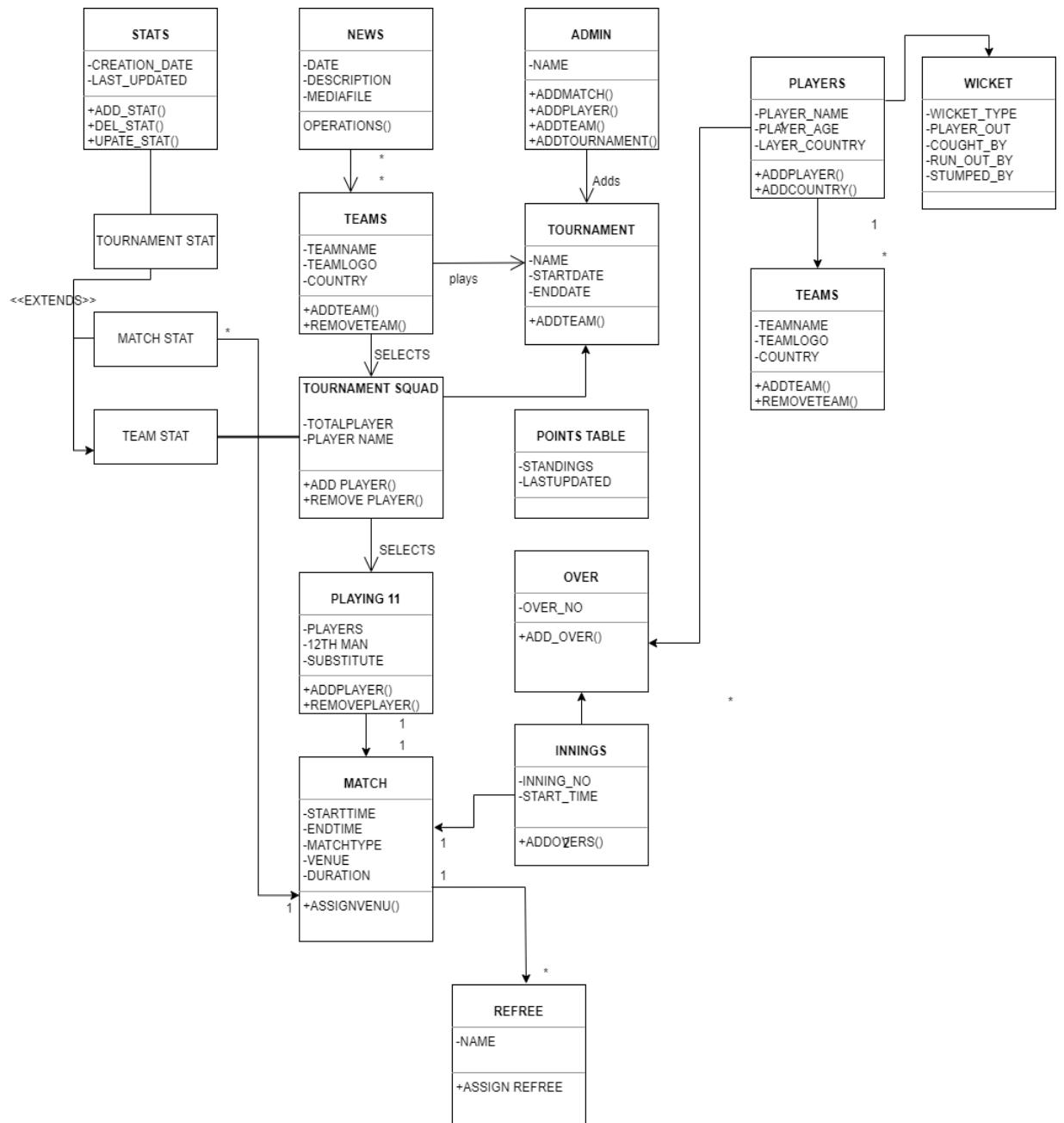
Table 1.6.2 Client-Side libraries

Library	Version	Description
Bootstrap	5.1.3	Designing UI
Chart.js	3.7.1	For creating graphs
Framer-motion	6.3.3	For animation
React-bootstrap	2.3.0	Designing UI
React mui	5.8.1	Designing UI
React-chartjs-2	4.1.0	For creating graphs
React-dom	17.0.2	For managing dom elements on web page
React-fast-marquee	1.3.2	For creating marqueses
React-icons	4.3.1	Designing UI
React-router-dom	5.2.0	Routing between pages in the web application
React-scripts	5.0.0	For creating several scripts
Reflex-grid	2.0.7	Designing UI
React	17.0.2	Create interactive UI
Axios	0.27.2	Axios is a JavaScript library used to make http request

Database Design

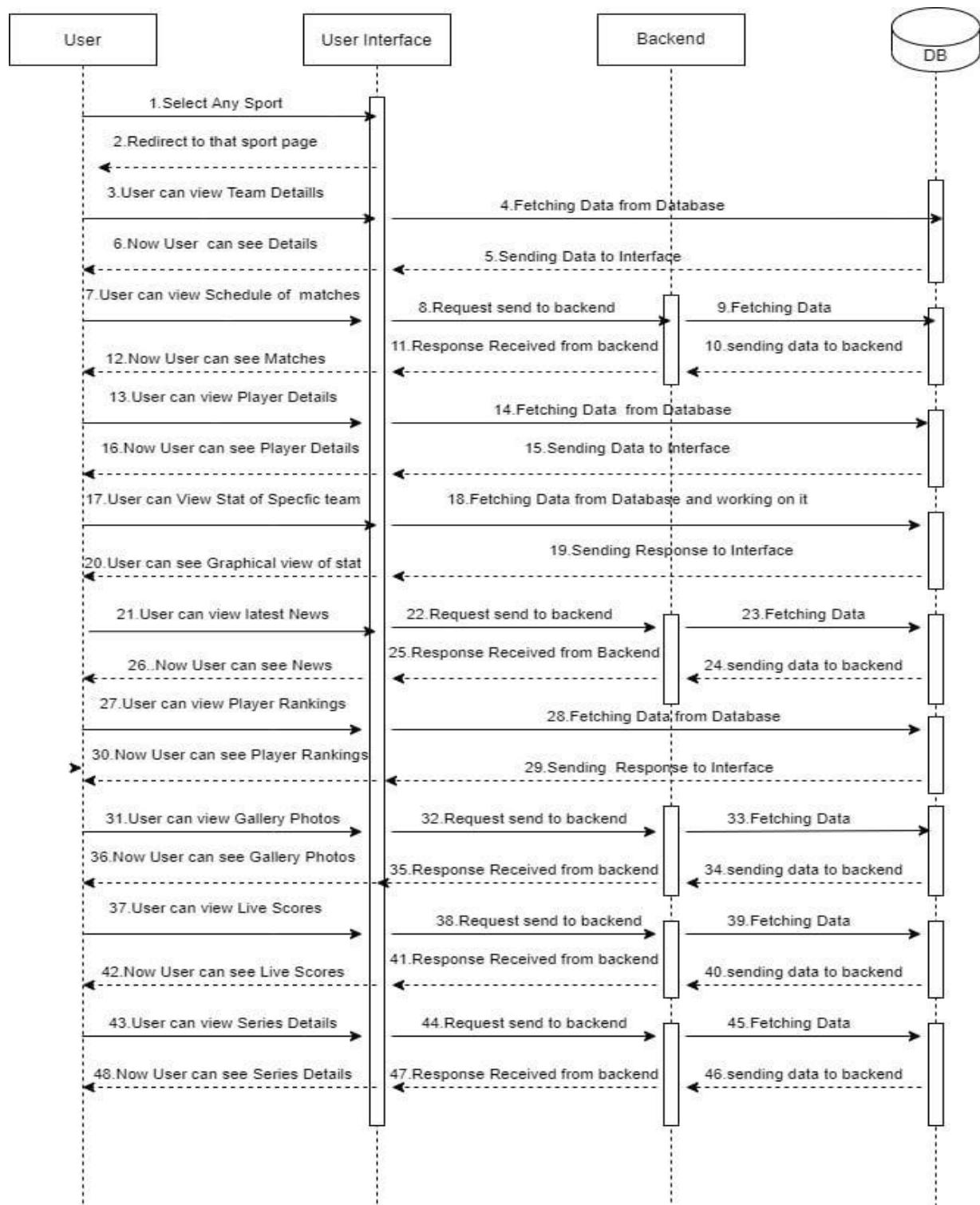
Class Diagram

Figure 1.1 Class Diagram



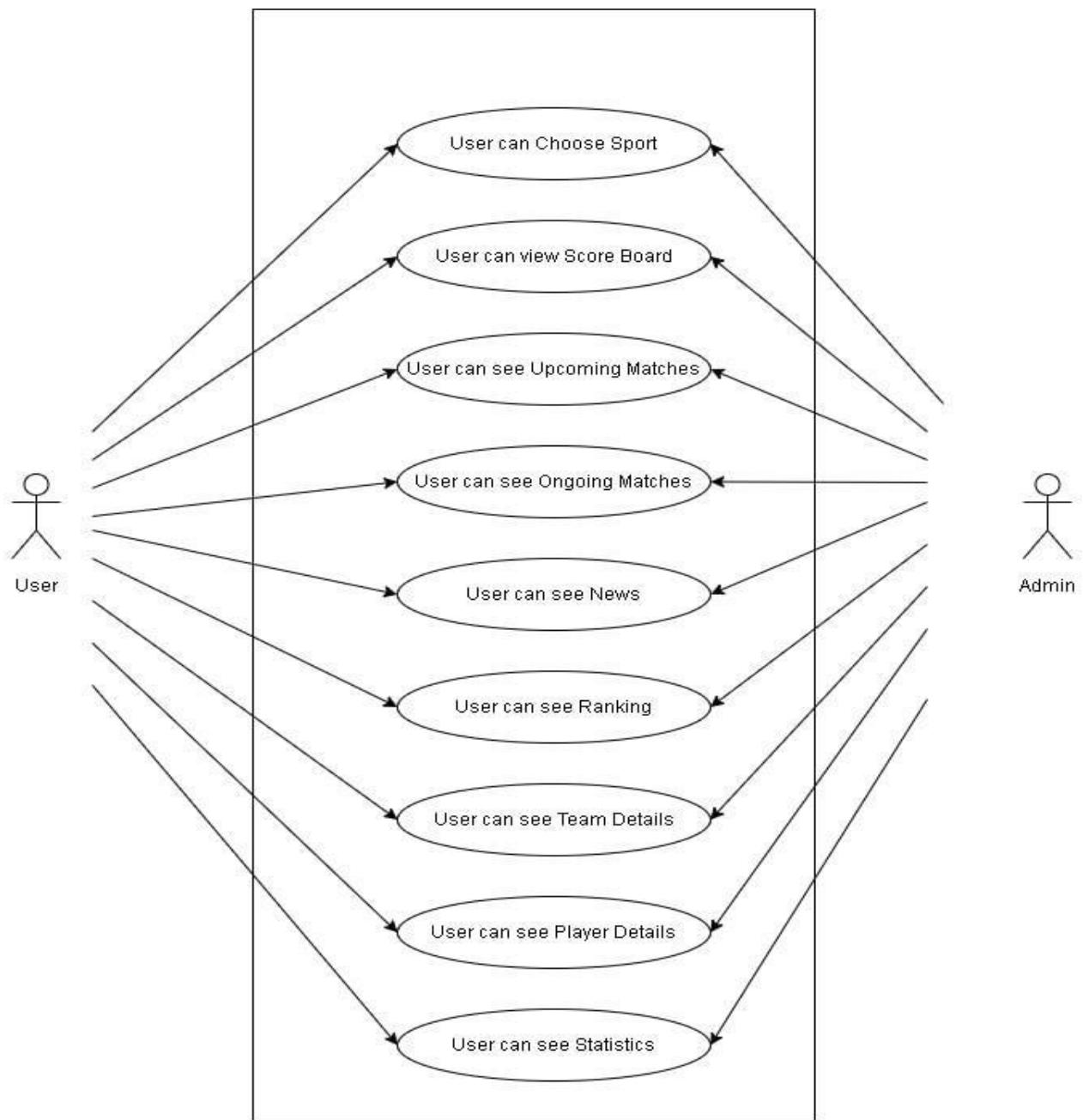
Sequence Diagram

Figure 1.2 Sequence Diagram



Use case Diagram

Figure 1.3 Use case Diagram



Wireframes

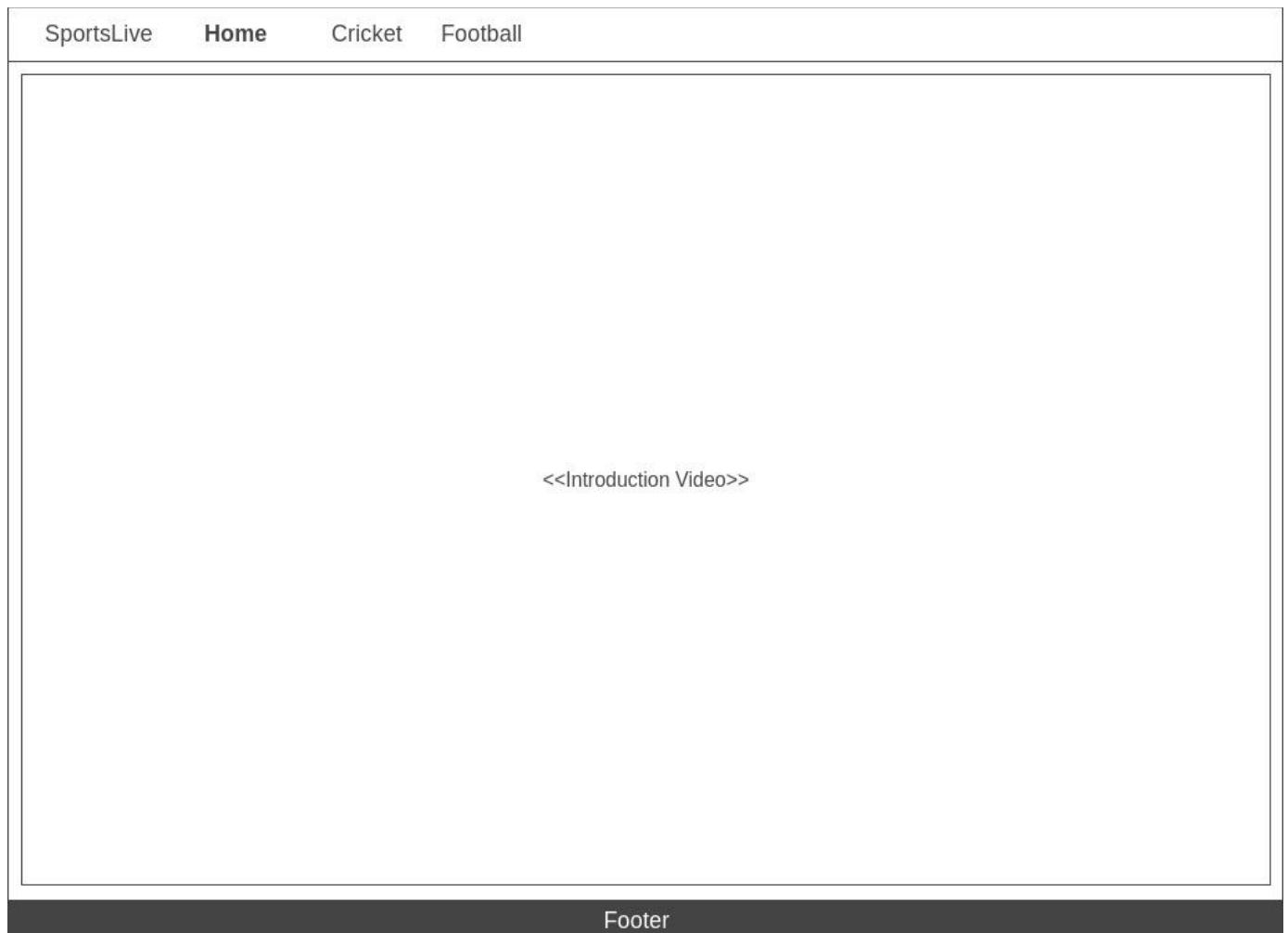


Figure 1.4.1 Home page screen

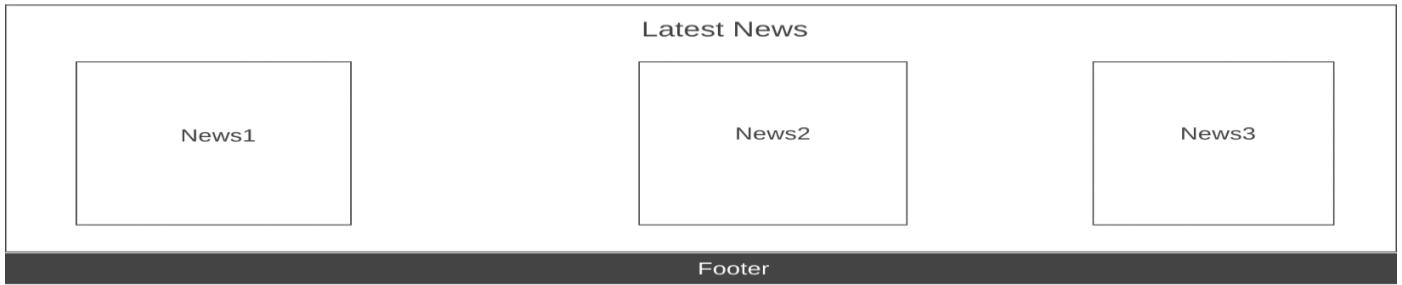
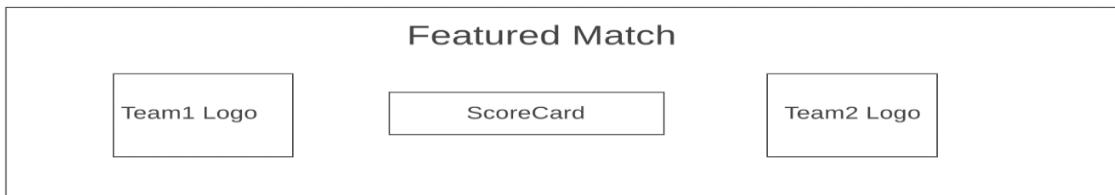


Figure 1.4.2 Cricket Home page screen

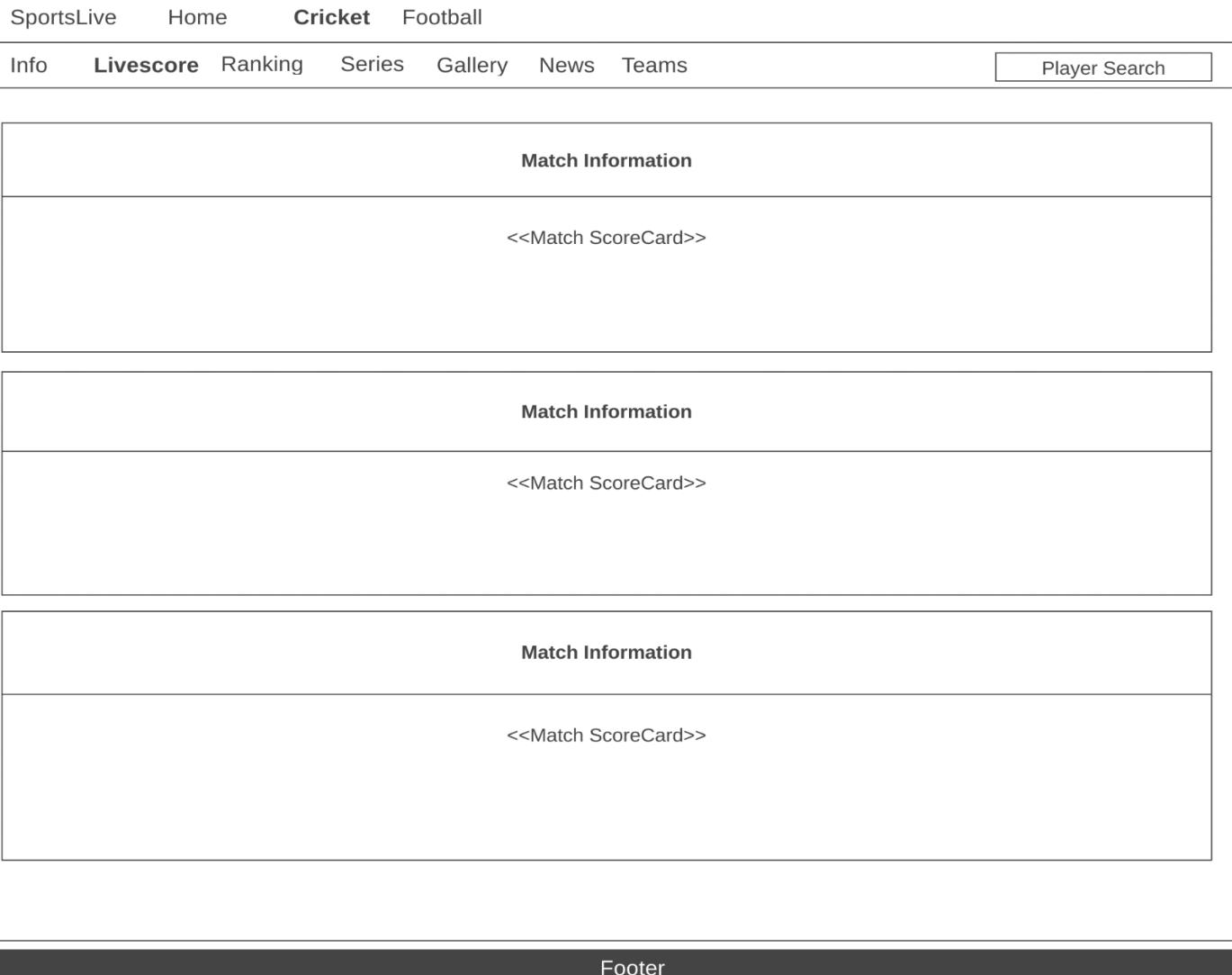


Figure 1.4.3 Screen for cricket Live score

SportsLive	Home	Cricket	Football
Info	Livescore	Ranking	Series Gallery News Teams
Batting Bowling			Player Search

Test	ODI	T20
------	-----	-----

Ranking	Photo	Player Name
1	Img1	player1
2	Img2	Player2
3	Img3	Player3
4	Img4	Player4

Footer

Figure 1.4.4 Screen for Cricket Schedule

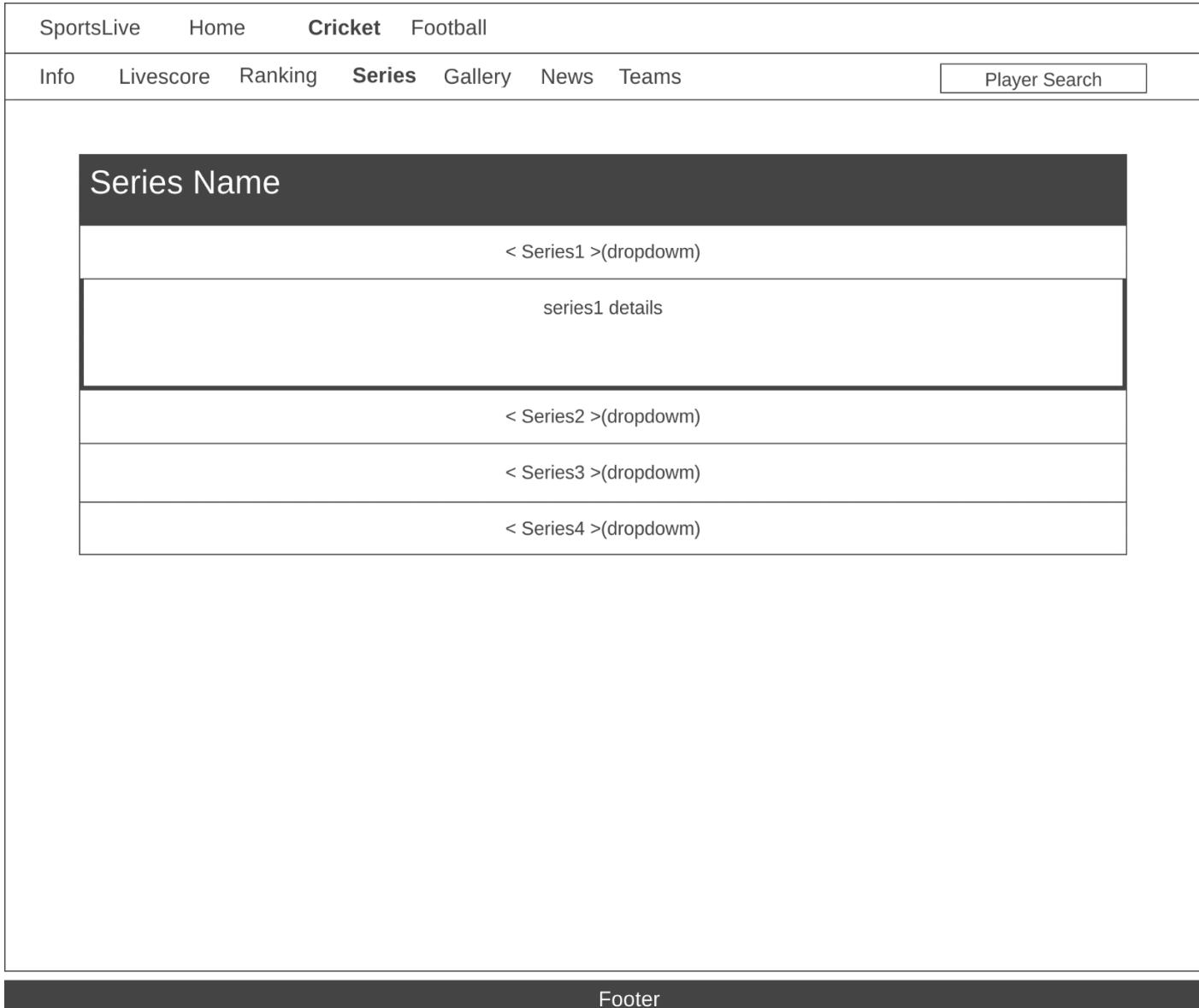


Figure 1.4.5 Screen for Cricket Series

SportsLive

Home

Cricket

Football

Info

Livescore

Ranking

Series

Gallery

News

Teams

Player Search

Gallery

photo1

photo2

photo3

photo4

photo5

photo6

photo7

photo8

Footer

Figure 1.4.6 Screen for Cricket Gallery

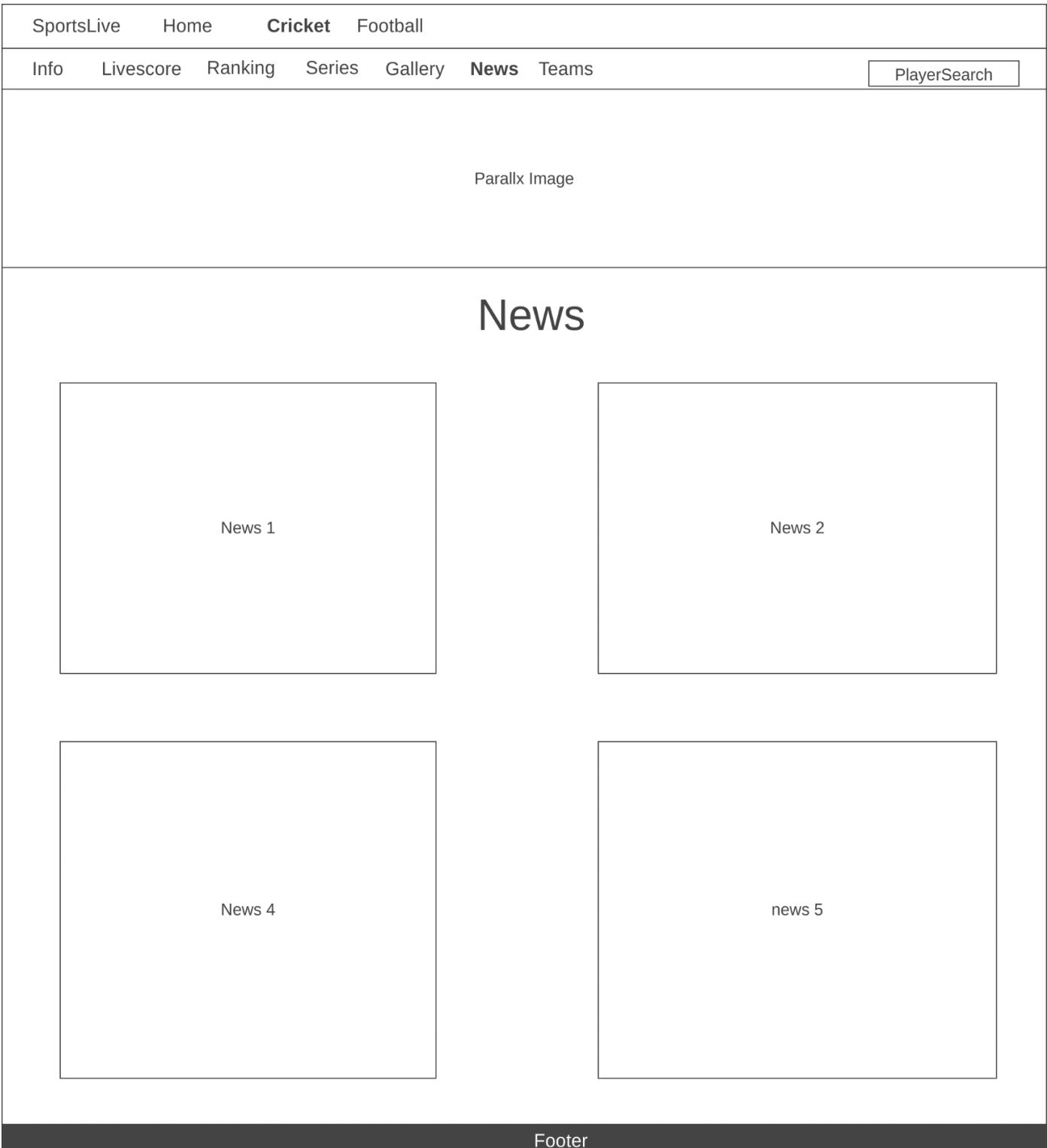


Figure 1.4.7 Screen to Cricket News

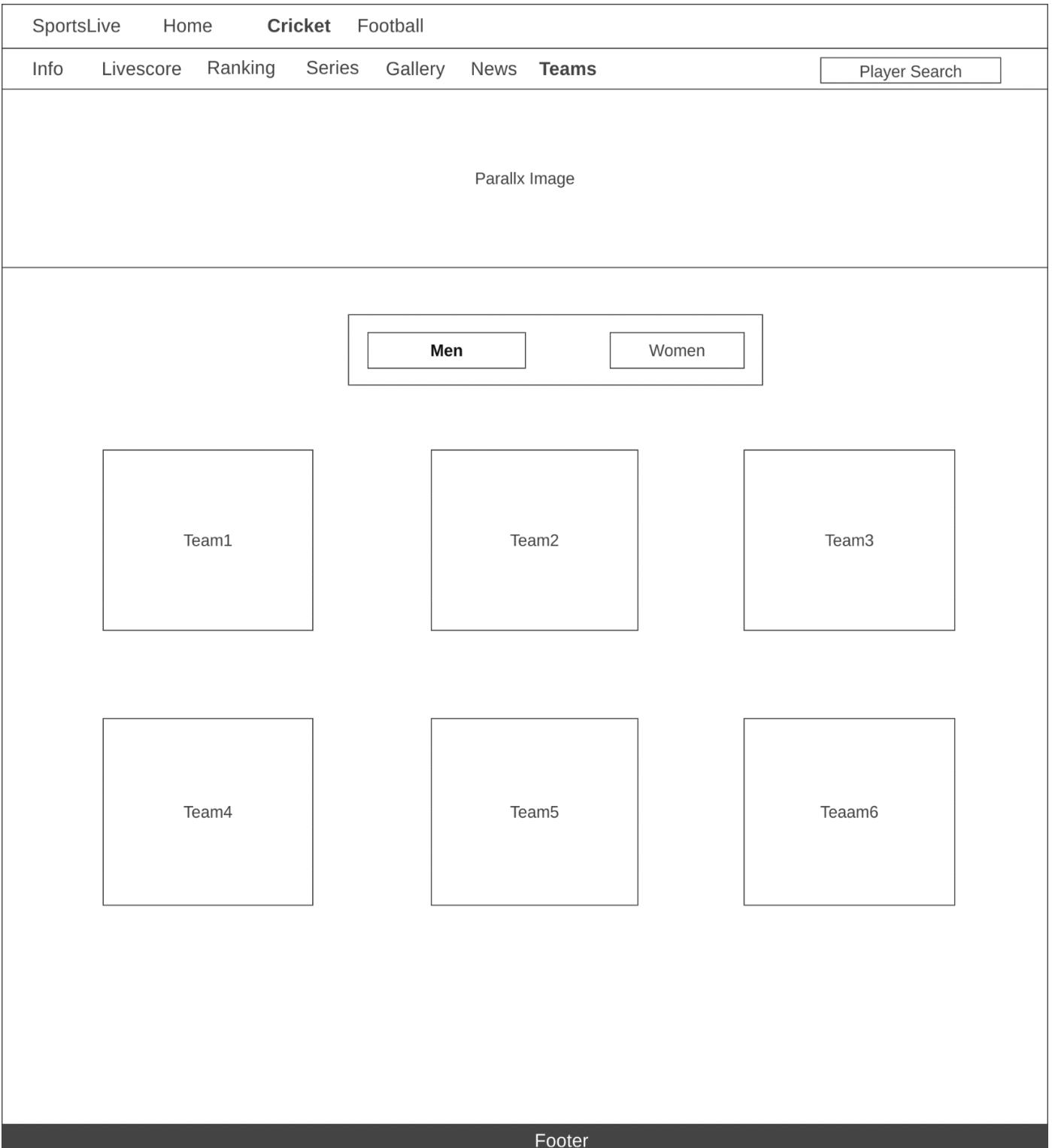


Figure 1.4.8 Screen for Cricket Teams

The screenshot shows a web interface for a cricket team's schedule. At the top, there is a navigation bar with links for SportsLive, Home, Cricket (which is the active tab), Football, Info, Livescore, Ranking, Series, Gallery, News, Teams, and a Player Search input field. Below the navigation is a placeholder text box containing '<<TeamFlag>>TeamName'. Underneath is a horizontal menu bar with three items: Schedule, Players, and Stats. The main content area contains a table with four columns: Match, Status, Venue, and Date. Below the table, the text '<<Team Schedule>>' is displayed. A dark footer bar at the bottom contains the word 'Footer'.

Match	Status	Venue	Date
<<Team Schedule>>			

Figure 1.4.9 Screen for Cricket Teams Schedule

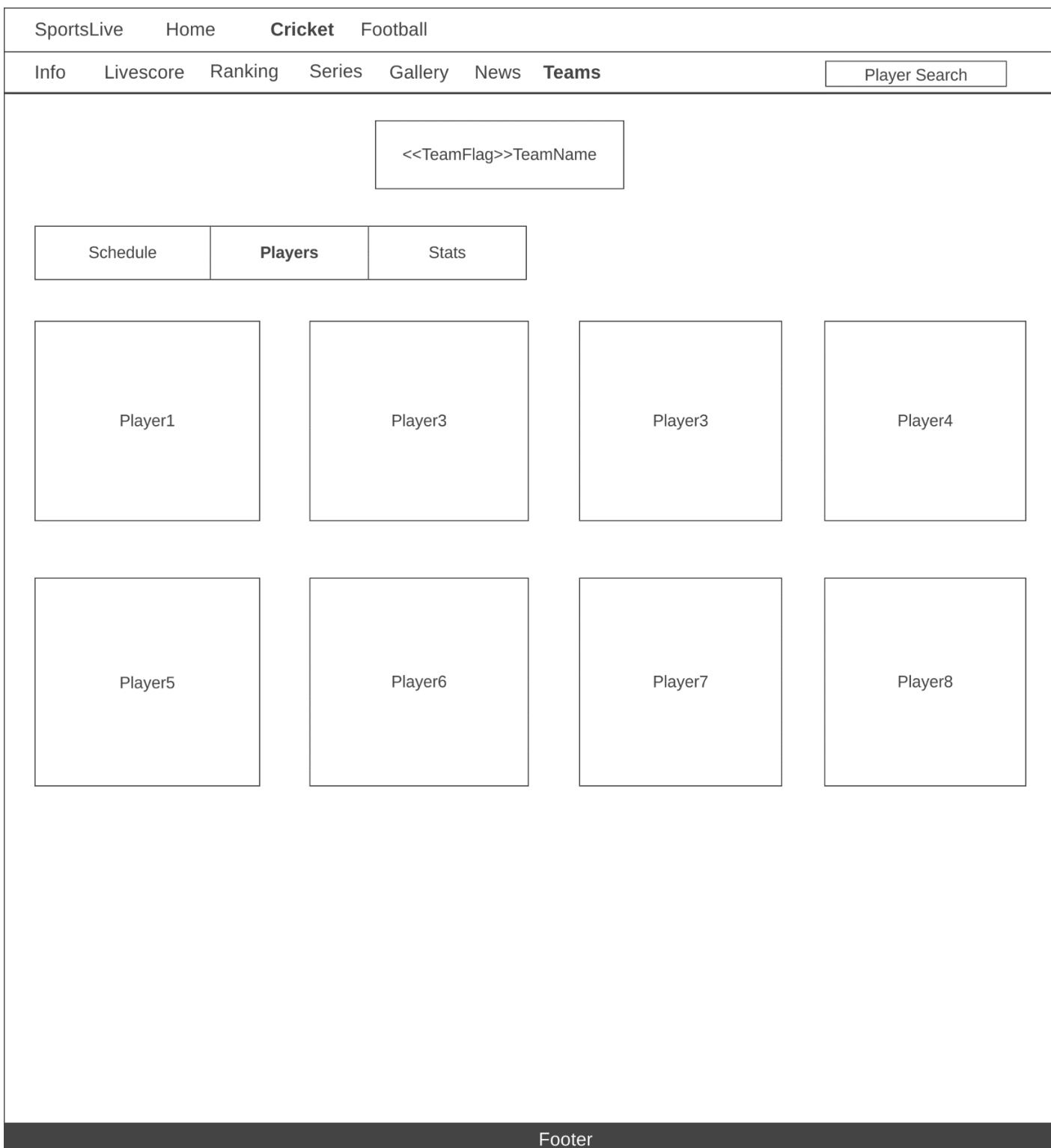


Figure 1.4.10 Screen for Cricket Teams Players

SportsLive	Home	Cricket	Football				
Info	Livescore	Ranking	Series	Gallery	News	Teams	Player Search
<div style="text-align: center; border: 1px solid black; padding: 10px;"><<TeamFlag>>TeamName</div>							
Schedule	Players	Stats					
TEST	ODI			T20			
<div style="text-align: center; height: 400px;"></div>							
Footer							

Figure 1.4.11 Screen for Cricket Teams Stats

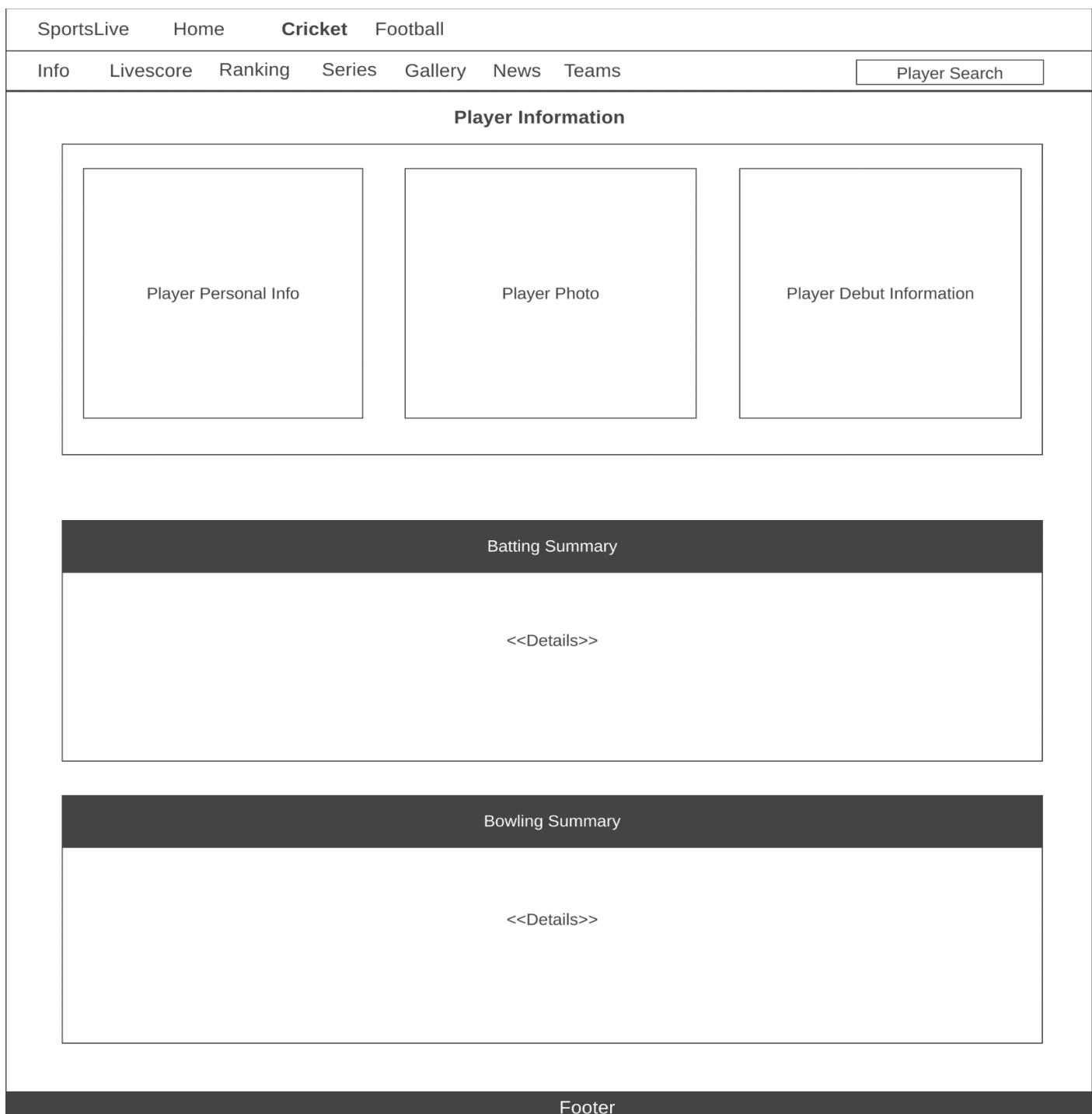


Figure 1.4.12 Screen for Cricket Teams Player Info

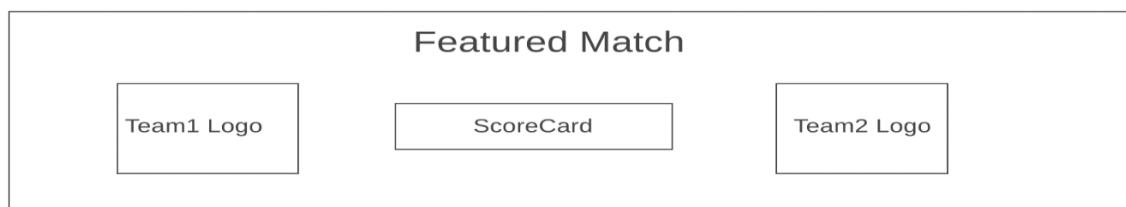
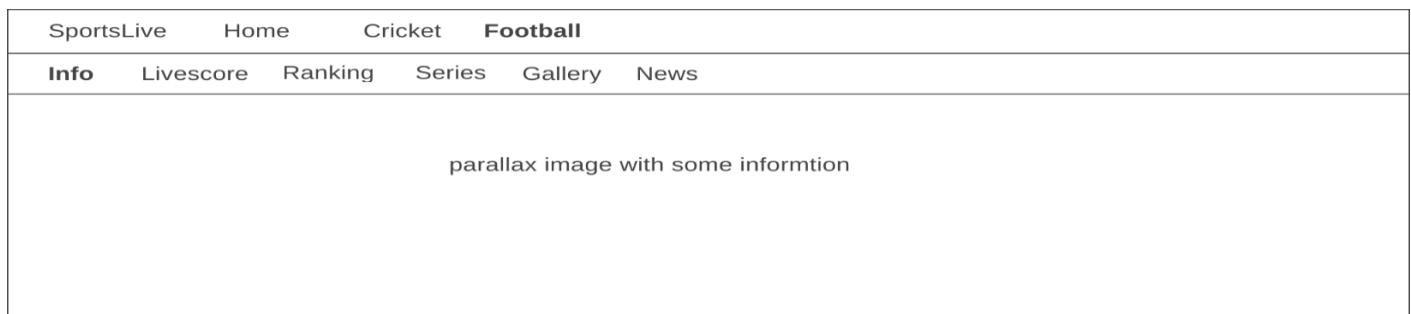


Figure 1.4.13 Screen for Football Landing Page

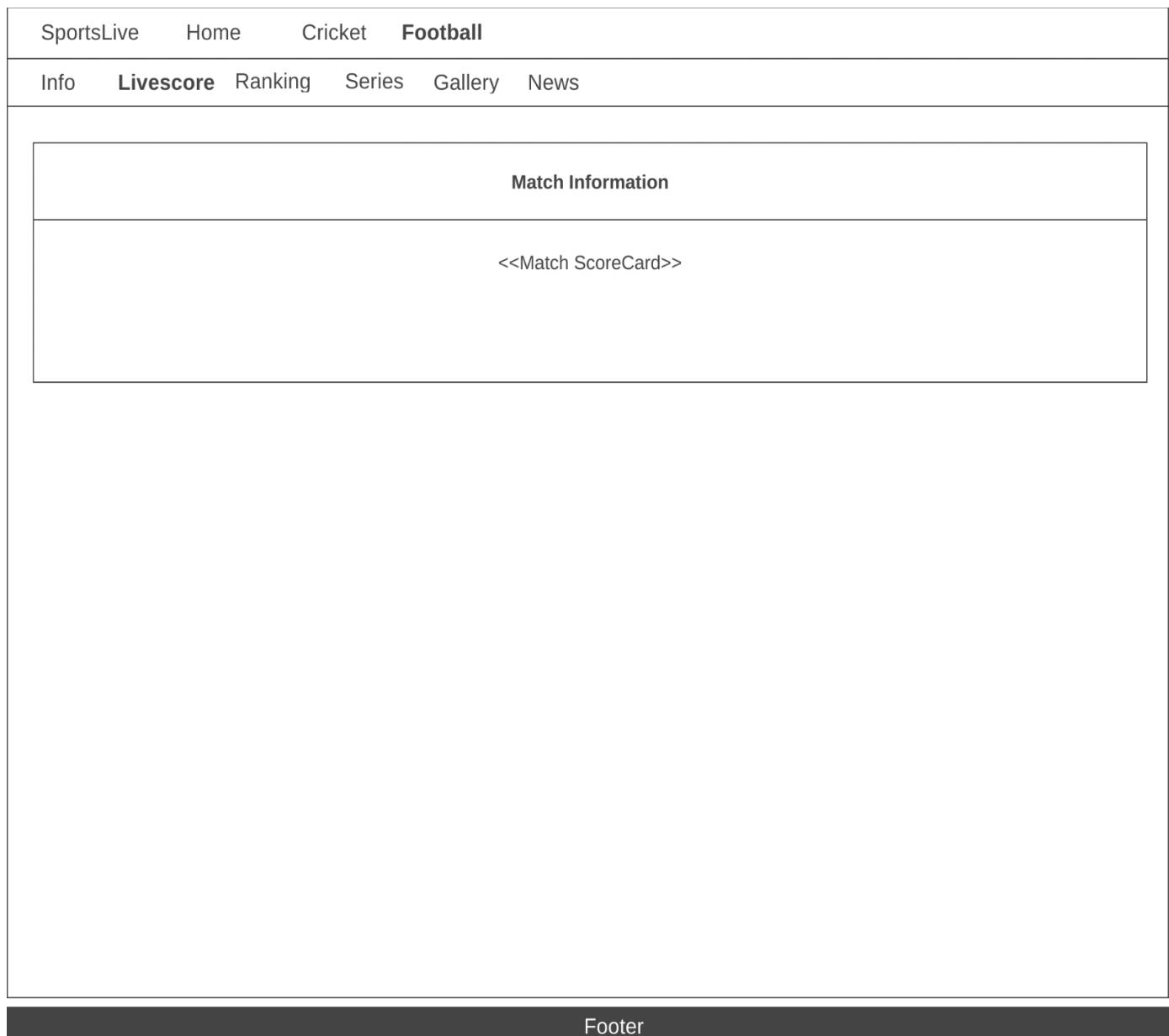


Figure 1.4.14 Screen for Football Live Scores

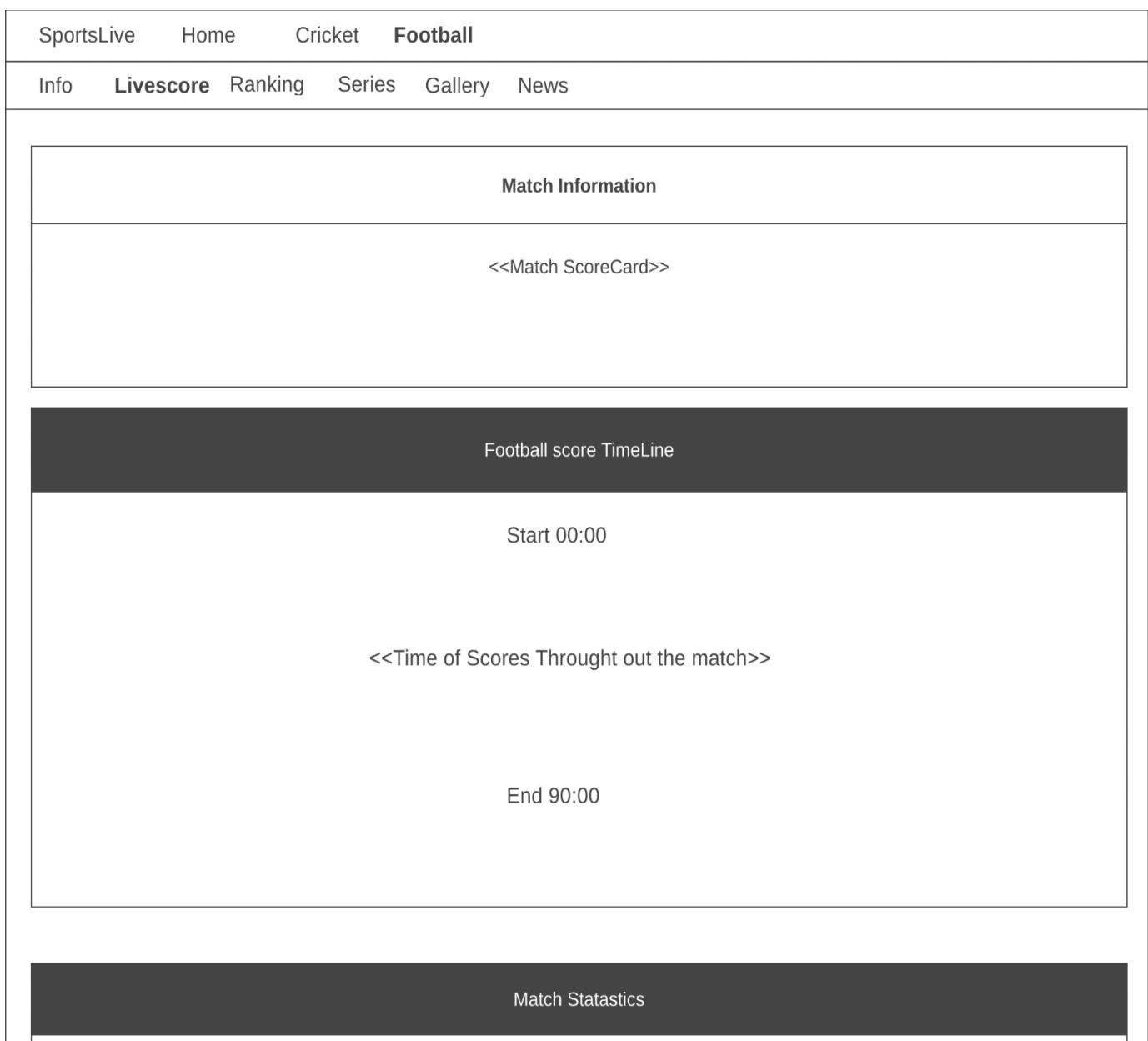


Figure 1.4.15 Screen for Football Match Summary

SportsLive	Home	Cricket	Football
Info	Livescore	Ranking	Series Gallery News
FIFA RANKINGS			
Ranking		Flag	Country
1		Flag1	Country1
2		Flag2	Country2
3		Flag3	Country3
Footer			

Figure 1.4.16 Screen for Football Rankings

SportsLive	Home	Cricket	Football	
Info	Livescore	Ranking	Series	Gallery News
<h2>Top Leagues</h2>				
Flag	Country	League	LeagueLogo	
Flag1	Country1	League1	Logo1	
Flag2	Country2	League2	Logo2	
Footer				

Figure 1.4.17 Screen for Football Leagues

SportsLive	Home	Cricket	Football		
Info	Livescore	Ranking	Series	Gallery	News
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"><p><<LeagueLogo>>leagueName</p></div>					
Schedule		Teams	Pointstable		
Match		Date/Time	Status	Final Score	
<<Team Schedule>>					
Footer					

Figure 1.4.18 Screen for Football League Schedule

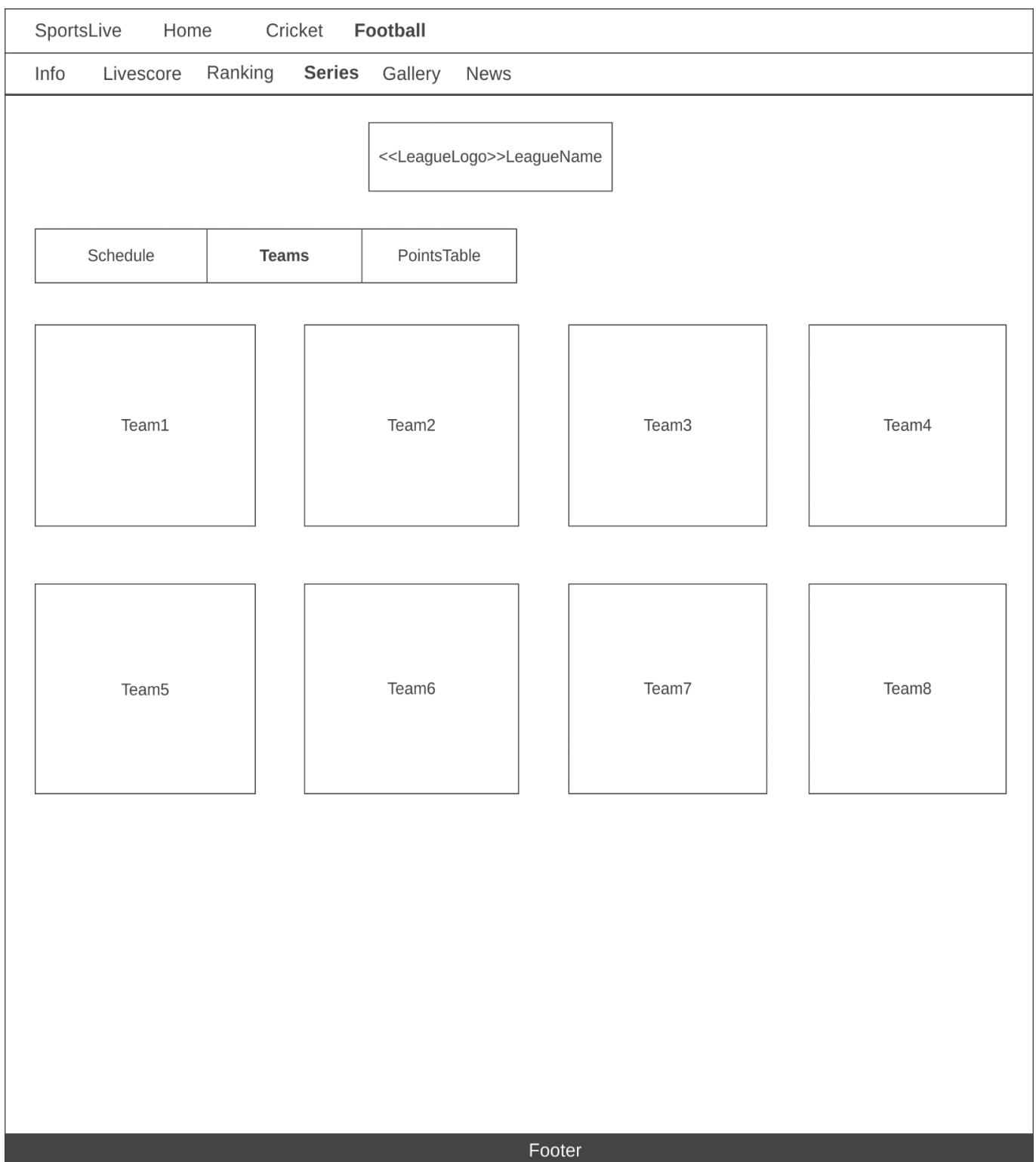


Figure 1.4.19 Screen for Football League Teams

The screenshot shows a web-based interface for a sports live score application. At the top, there is a navigation bar with links for SportsLive, Home, Cricket, and Football. Below this is a secondary navigation bar with links for Info, Livescore, Ranking, Series (which is bolded), Gallery, and News. In the center, there is a placeholder box labeled <<LeagueLogo>>LeagueName. Below this is a horizontal menu bar with tabs for Schedule, Teams, and PointsTable (which is bolded). The main content area is currently empty and displays the placeholder text <<Team Standings According to the league>>. At the bottom of the page is a dark footer bar with the word Footer.

Figure 1.4.20 Screen for Football League points Table

SportsLive Home Cricket **Football**

Info Livescore Ranking **Series** Gallery News

<<TeamLogo>>

TeamName

Squad							
Sr.No	Name	JersyNo	Country	Player Type	Age	Match Played	Goals scored
<<Sqad details of a team>>							

Footer

Figure 1.4.21 Screen for Football Team Details

SportsLive	Home	Cricket	Football
Info	Livescore	Ranking	Series
Gallery			
photo1	photo2	photo3	photo4
photo5	photo6	photo7	photo8
Footer			

Figure 1.4.22 Screen for Football Gallery

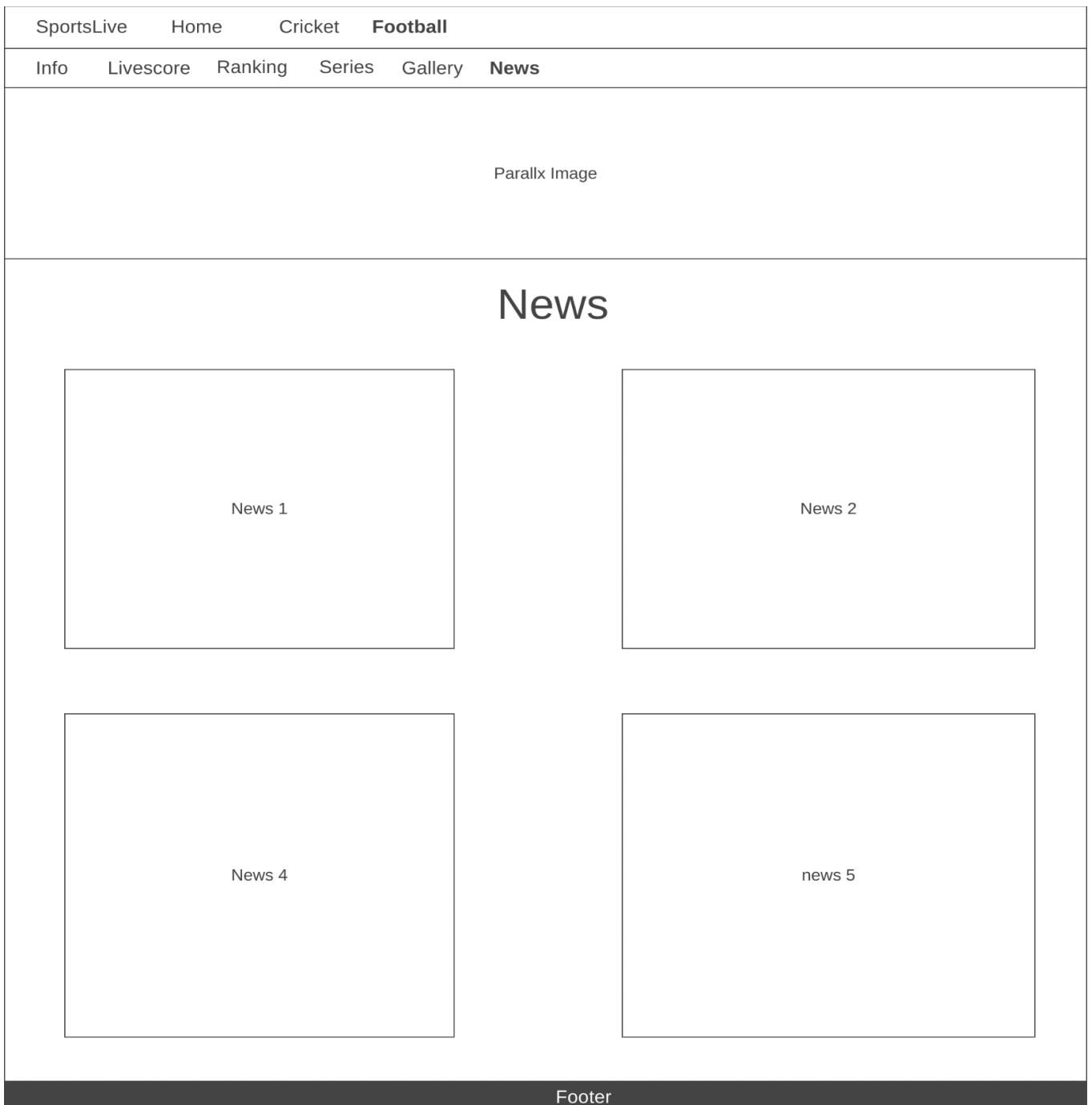


Figure 1.4.23 Screen for Football News

Development

Table 1.7 Application Features

Role	Must have features	Nice to have features
User	<ul style="list-style-type: none">-Cricket home page-Live scores-Team details-Player ranking-Gallery-Schedule matches-Player details-Player runs statistics using graphs-News about cricket-Search by player name	<ul style="list-style-type: none">-live commentary-online shopping-booking tickets
	<ul style="list-style-type: none">-Football home page-Live scores-Leagues list-Leagues details-List of matches under a particular league-Ranking of team-Gallery-News about football-Graphs on match data	<ul style="list-style-type: none">- live commentary-online shopping-booking tickets-player details

Testing

This section is used to check whether the actual software product matches expected requirements and to ensure that software product is defect free. Here testing is performed to identify errors, gaps or missing requirements in contrast to actual requirements.

Importance of Testing

Testing enables to describe, the quality of software products or services provided to the customers on improving the software development process and making it efficient and effective as per the quality standards defined for software products

Test Cases

This section conveys information about, the different test cases identified for each component of this application. They are as described as follows, 124

UI Testing

➤ Test Case: UX01

Test case description:

To verify that search provides a desired result to the user

Total 1.8.1 Cricket Home Page – Search Bar

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On cricket home page user will search for player.	Invalid player name	Nothing will display.	Nothing displayed.
		Valid player name	Player data will be display in tabular format.	Player data will be display in tabular format.

➤ Test Case: UX02

Test case description:

To verify that a correct data is displayed after user click on Teams tab.

Table 1.8.2 Cricket Home Page – Team Nav-Item

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On cricket home page user will click on teams.	User clicks on link	List of team names will be displayed in tabular format.	List of team names is displayed in tabular format.

➤ Test Case: UX03

Test case description:

To verify that a correct data is displayed after user clicks on Live Score tab.

Table 1.8.3 Home Page – Live Score Nav-Item

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On home page of particular sport if user clicks on live score nav.	User clicks on a link	Getting all the live scores which has team names, score card, venue, and status.	Got all the live scores which has team names, score card, venue, and status.

➤ Test Case: UX04

Test case description:

To verify that a correct data is displayed after user click on News tab.

Table 1.8.4 Home Page – News Nav-Item

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On Home Page of particular sport user clicks on News tab.	User Clicks on link	Sports specific news will be displayed in card format.	Sports specific news are be displayed in card format.

➤ Test Case: UX05

Test case description:

To verify that a correct data is displayed after user click on player Rankings tab.

Table 1.8.5 Cricket Home Page – Ranking Nav-Item

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On cricket home page user will click on player ranking tab.	User clicks on link	Player ranking, name, photo will be displayed in tabular format according to their match-type and role.	Player ranking, name, photo is displayed in tabular format according to their match-type and role.

➤ Test Case: UX06

Test case description:

To verify that a correct data is displayed after user clicks on Series tab.

Table 1.8.6 Cricket Home Page – Series

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On cricket home page when user clicks on series.	User clicks on link.	Series list and their details will be displayed in list format.	Series list and their details is displayed in list format

➤ Test Case: UX07

Test case description:

To verify that a correct data is displayed after user clicks on Leagues tab.

Table 1.8.7 Football League Page – League

Step No.	Step Description	Test Data	Expected Result	Actual Result
1.	On navbar user will click on league tab.	User clicks on link	League list and Their details will be displayed in list	League list and Their details will be displayed in list

			Format.	Format.
--	--	--	---------	---------

➤ Test Case: UX08

Test case description:

To verify that a correct data is displayed after user clicks on Ranking tab.

Total 1.8.8 Football Ranking Page – Ranking

Step No.	Step Description	Test Data	Expected Result	Actual Result
1	On navbar user will click on ranking.	User click on link	Ranking, team name and logo will be displayed in tabular format.	Ranking, team name and logo will be displayed in tabular format.

Backend Testing

This part of the project describes the process of executing the code and comparing the expected and actual results to check the server side or database is working as required. The test cases executed are as follows,

➤ Test Case: BackEnd01

Test case description: Get Teams Data

Pre-condition: Server is running.

Total 1.9.1 Team Data

API	/teams/:id
Method	GET
Input Data	--
Expected Result	The API should return the success status and the JSON of team data.
Actual Result	As expected
Result	Pass

The screenshot shows the Postman interface with a successful API call. The URL is `http://127.0.0.1:5000/api/v1/football/teamsList/177`. The response status is **200 OK**, size is **49.45 KB**, and time is **705 ms**. The response body contains JSON data: `{"status": "OK", "teams": []}`. A copy button is visible on the right.

➤ Test Case: BackEnd02

Test case description: Get News Data

Pre-condition: Server is running.

Total 1.9.2 News Data

API	https://newsapi.org
Method	GET
Input Data	--
Expected Result	The API should return the success status and the JSON of news data.
Actual Result	As expected
Result	Pass

GET <http://127.0.0.1:5000/api/v1/cricket/news> Send

Status: 200 OK Size: 20.05 KB Time: 33 ms

Query Headers 2 Auth Body Tests

Response Headers 7 Cookies Results Docs New { }

Query Parameters

parameter	value
305	

```
1 "status": "OK",
2 "articles": []
3 305
```

➤ Test Case: BackEnd03

Test case description: Get Player Data

Pre-condition: Server is running.

Total 1.9.3 Player Data

API	https://apiv2.allsportsapi.com/football/?met=Players
Method	GET
Input Data	--
Expected Result	The API should return the success status and the JSON of player data.

Actual Result	As expected
Result	Pass

```
GET http://127.0.0.1:5000/api/v1/cricket/players/ind9 Send
Query Headers 2 Auth Body Tests
Status: 200 OK Size: 1.67 KB Time: 18 ms
Response Headers 7 Cookies Results Docs New ( ) ⚙
Copy
1+ [ ] Query Parameters
2 "status": "OK",
3+ "data": [
4+   { }
117 ]
118 [ ]
```

➤ Test Case: BackEnd04

Test case description: Get Series Data

Pre-condition: Server is running.

Total 1.9.4 Series Data

API	https://api.cricapi.com/v1/series
Method	GET
Input Data	--
Expected Result	The API should return the success status and the JSON of Series data.
Actual Result	As expected
Result	Pass

The screenshot shows a REST API testing interface. The top bar indicates a GET request to `http://127.0.0.1:5000/api/v1/cricket/seriesList`. The status bar at the bottom right shows **Status: 200 OK**, **Size: 5.96 KB**, and **Time: 22 ms**. The main area has tabs for **Query**, **Headers**, **Auth**, **Body**, and **Tests**. The **Query** tab is selected. Below it, there's a section for **Query Parameters** with a table. The table has two rows: one with a checkbox labeled "parameter" and another with a value input field labeled "value". To the right, the **Response** tab is selected, showing a JSON response with three items: "status": "Ok", "series": [redacted], and a timestamp "335".

parameter	value
<input type="checkbox"/>	

```
1 > [
2   "status": "Ok",
3   "series": [REDACTED]
335 >
```

➤ Test Case: BackEnd05

Test case description: Get League Data

Pre-condition: Server is running.

Total 1.9.5 League Data

API	https://apiv2.allsportsapi.com/football/?met=Leagues
Method	GET

Input Data	--
Expected Result	The API should return the success status and the JSON of League data.
Actual Result	As expected
Result	Pass

GET http://127.0.0.1:5000/api/v1/football/leaguesList

Status: 200 OK Size: 644 Bytes Time: 49 ms

Response Headers: Content-Type: application/json; charset=utf-8

```

1 > [
2   "status": "OK",
3   "leagues": []
]
27

```

Copy

➤ Test Case: BackEnd06

Test case description: Get Match Data

Pre-condition: Server is running.

Total 1.9.6 Match Data

API	https://apiv2.allsportsapi.com
Method	GET
Input Data	--
Expected Result	The API should return the success status and the JSON of Match data.
Actual Result	As expected
Result	Pass

GET http://127.0.0.1:5000/api/v1/football/matchesData

Status: 200 OK Size: 153.89 KB Time: 105 ms

Response Headers: Content-Type: application/json; charset=utf-8

```

1 > [
2   "status": "OK",
3   "matches": []
]
9591

```

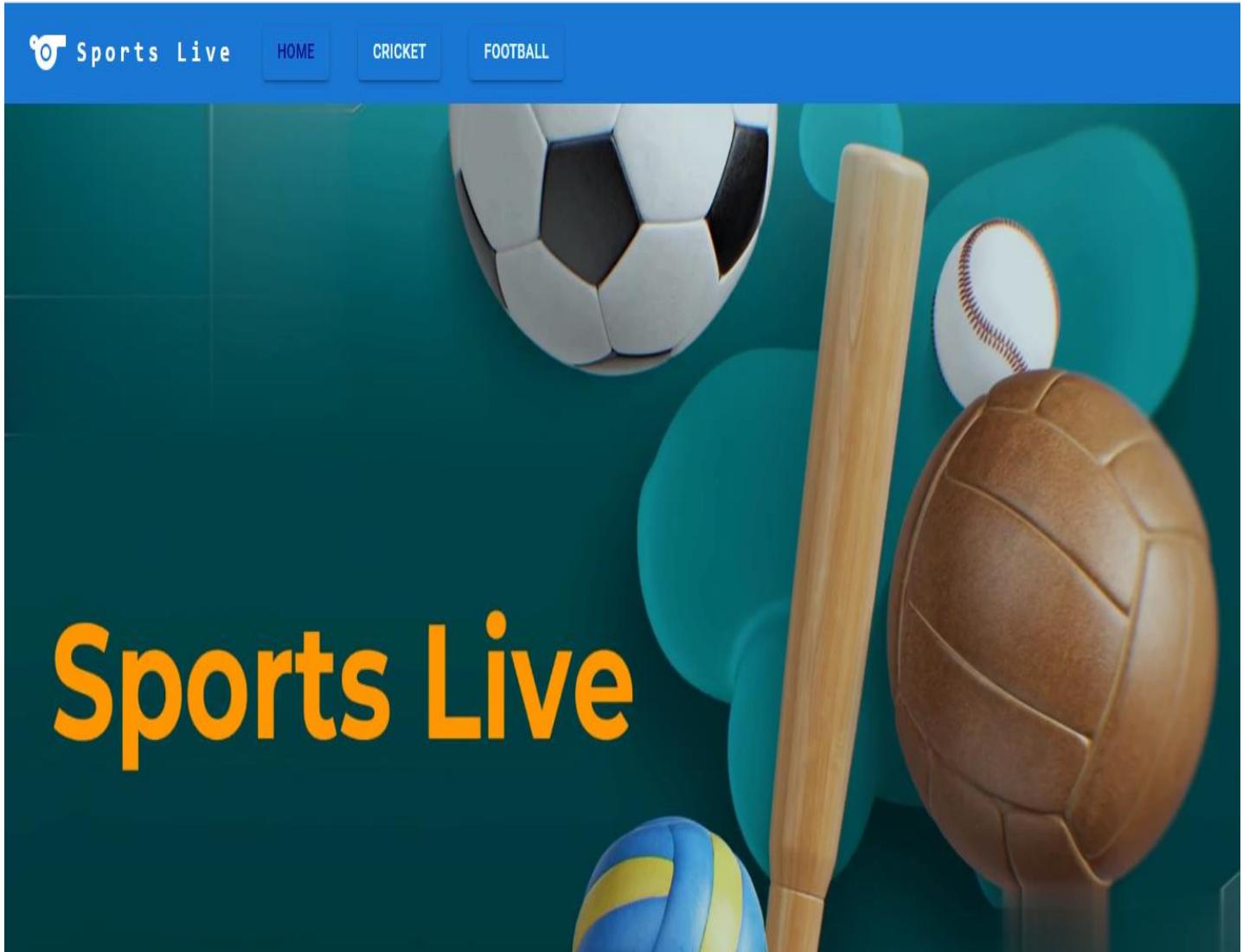
Implementation

Output screens

Football Output Screen

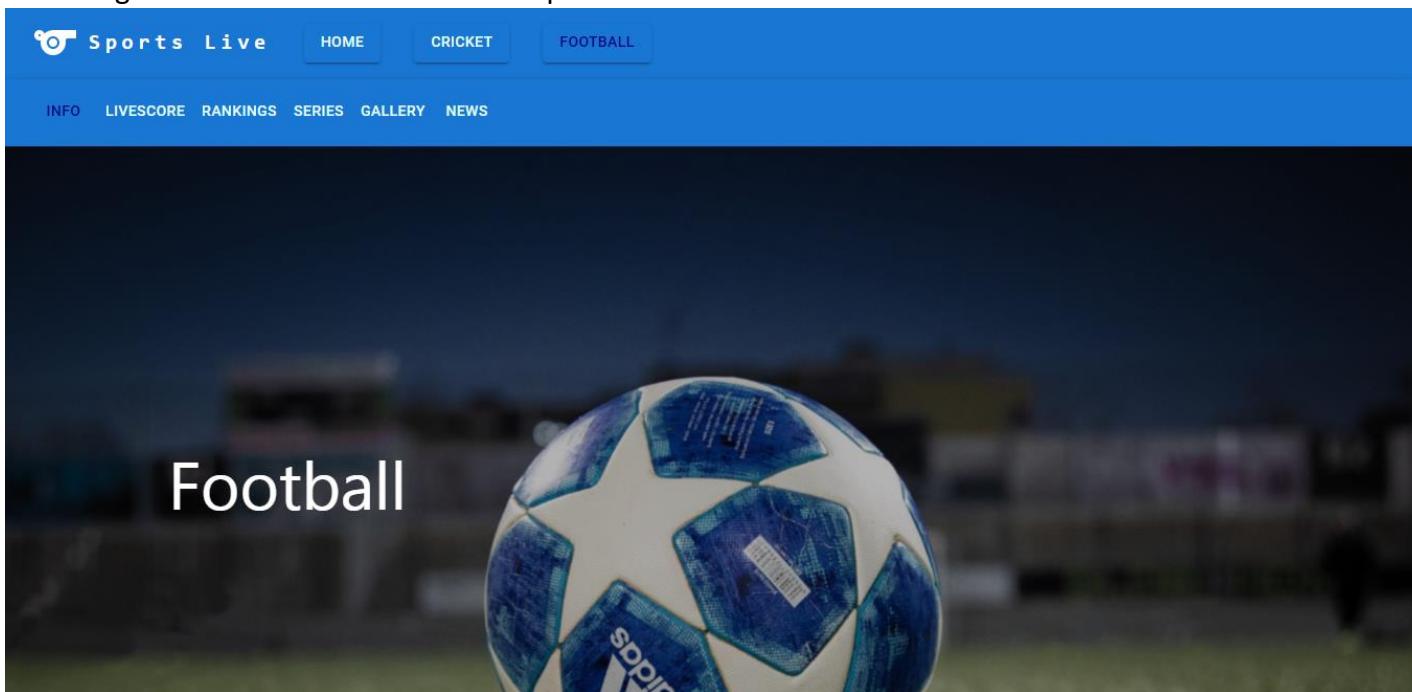
 Home Page

This is the first page which user will encounter when they'll visit our website.



Football Home Page

When user will click on football on the main navigation page they'll land on football Home page showing Featured matches and some important news.



Featured match

Date : 2022-05-01



Ashanti Gold

5 - 1

Status : Finished



Berekum Chelsea

Latest Matches

	Hearts of Oak	3 - 1	Dreams	
---	---------------	--------------	--------	---

This page shows all the live scores of matches happening around the world.

[HOME](#)[CRICKET](#)[FOOTBALL](#)[INFO](#) [LIVESCORE](#) [RANKINGS](#) [SERIES](#) [GALLERY](#) [NEWS](#)

Ashanti Gold VS Berekum Chelsea

Date : 2022-05-01

League : Premier League

Season : 2021/2022

Venue : Len Clay Stadium (Obuasi)



Ashanti Gold

5 - 1

Finished



Berekum Chelsea

Hearts of Oak VS Dreams

Date : 2022-05-01

League : Premier League

Season : 2021/2022

Venue : Ohene Djan Sports Stadium (Accra)



3 - 1



This page shows FIFA Rankings of Teams.

Sports Live	HOME	CRICKET	FOOTBALL		
INFO	LIVESCORE	RANKINGS	SERIES	GALLERY	NEWS
FIFA RANKINGS					
Ranking	Flag		Team		
1			Brazil		
2			Belgium		
3			France		

Football/Series

This page shows List of All the Top Leagues Information.

Flag	Country	League Logo	League Name
	Lithuania		Cup
	Ghana		Premier League

Football/League/League Info/Schedule

This page shows all the Schedule Matches of particular League.

Sports Live HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS

Premier League

SCHEDULE TEAMS POINTS TABLE

Match	Date / Time	Status	Final Score
Ashanti Gold vs Berekum Chelsea	2022-05-01 / 17:00	Finished	5 - 1
Hearts of Oak vs Dreams	2022-05-01 / 17:00	Finished	3 - 1
Legon Cities vs Elmina Sharks	2022-05-01 / 17:00	Finished	2 - 0
Ashanti Gold vs Berekum Chelsea	2022-05-01 / 17:00	Finished	5 - 1
King Faisal vs Bechem United	2022-05-01 / 17:00	Finished	2 - 2
RTU vs Accra Lions	2022-05-01 / 17:00	Finished	2 - 0

Football/League/League Info/Teams

This page shows all the Teams which play under Particular League.

Sports Live HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS

Premier League

SCHEDULE **TEAMS** POINTS TABLE



Ashanti Gold



Bibiani Gold Stars



Dreams



Eleven Wonders

Click to view more



Medeama



Elmina Sharks



Asante Kotoko



Bechem United

Football/League/League Info/Points Table

This page shows Point Table of Particular League.



INFO LIVESCORE RANKINGS SERIES GALLERY NEWS



SCHEDULE TEAMS **POINTS TABLE**

Position	Team	Played	Won	Draw	Lost	Fouls	Goal Difference	Points	Last updated
1	Asante Kotoko	28	16	8	4	40	23	56	2022-05-17 21:46:38
3	Medeama	28	13	7	8	21	3	46	2022-05-17 21:46:38
4	Hearts of Oak	28	11	11	6	29	11	44	2022-05-17 21:46:38
5	Great Olympics	28	11	10	7	29	5	43	2022-05-17 21:46:38
6	Aduana Stars	28	11	9	8	32	8	42	2022-05-17 21:46:38
7	Karela	28	10	10	8	34	4	40	2022-05-17 21:46:38

Football/Team Info

This page shows all the Team of Info Particular Team.



Legon Cities

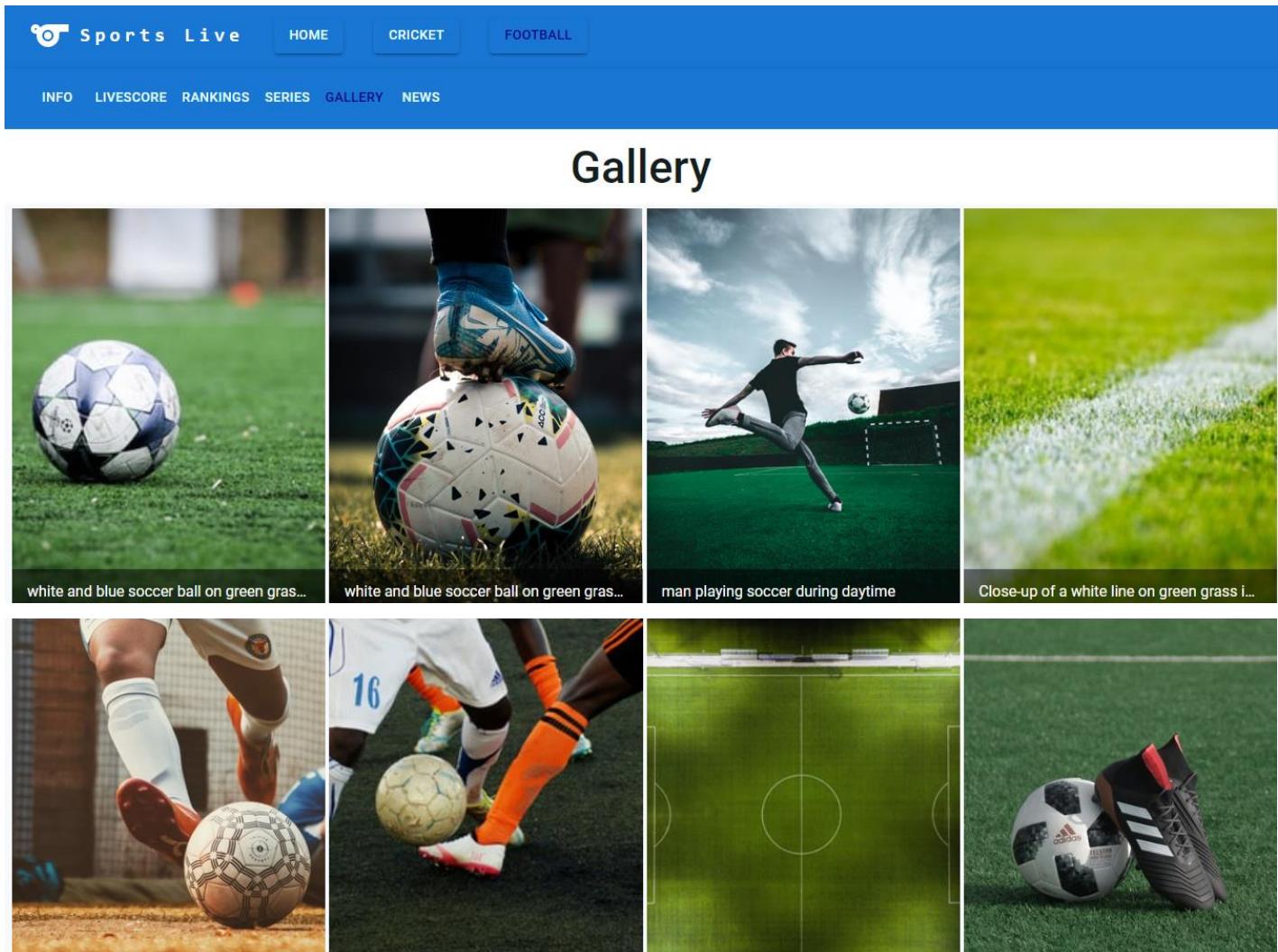
Coach : E. Adipah

Team Squad

Sr. No	Name	Jersy Number	Country	Player Type	Age	Matches Played	Goal Scored	Yellow Cards	Red Cards
1	E. Agana	22	-	Goalkeepers	29	2	0	0	0
2	B. Asiedu	30	-	Goalkeepers	-	0	0	0	0
3	B. Musah	1	-	Goalkeepers	25	1	0	0	0
4	N. Mensah	2	-	Defenders	25	19	0	5	0
5	K. Mumin	11	-	Defenders	23	2	0	0	0
6	S. Alhassan	5	-	Midfielders	25	26	2	1	0
7	P. De Vries	10	-	Midfielders	26	6	2	0	0
8	S. Mensah	-	-	Midfielders	22	7	0	2	0
9	M. Nyarko	26	-	Midfielders	23	15	0	0	0
10	Y. Wadudu	-	-	Midfielders	27	2	0	0	0

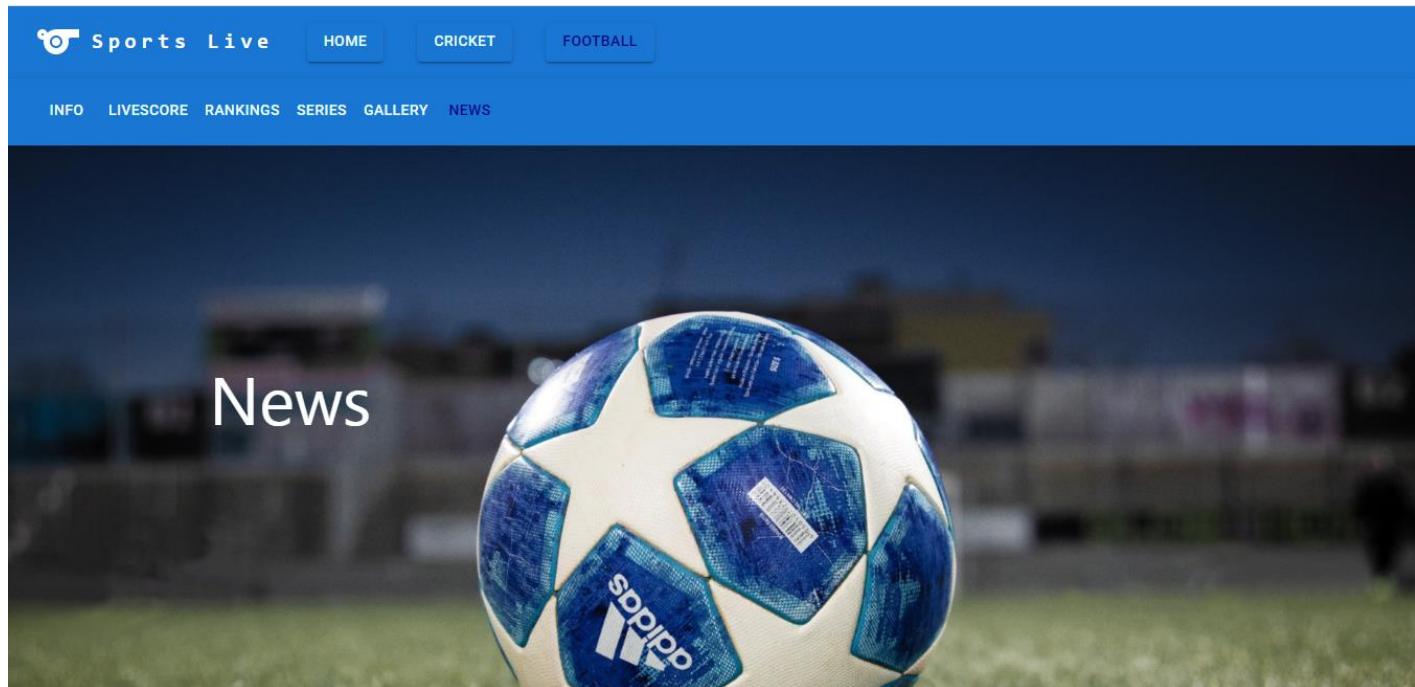
Football/Gallery

This page shows all the Images of Football with some description.



Football/News

This page shows all the Latest News of Football.



Latest News



Maradona shirt: Why the 1986 World Cup kit is so special

Bidding for the shirt Diego Maradona wore scoring the "Hand of God" goal has already reached £4m.



The Supreme Court Considers a Football Coach's Prayers

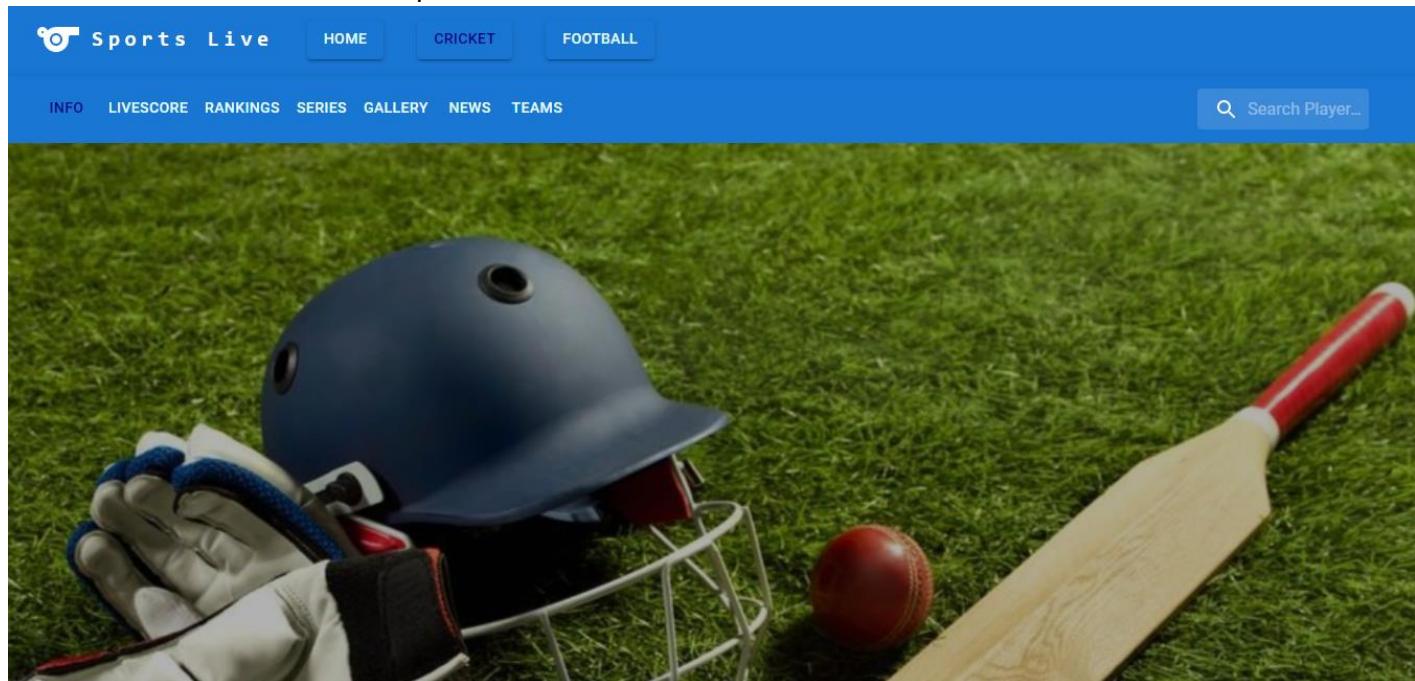
The justices' decision could have broad implications for freedom of religion — and freedom from it.



Cricket Output Screen



When user will click on Cricket on the main navigation page they'll land on Cricket Home page showing Featured matches and some important news.



Featured match

Date : 2022-06-01



United States



United Arab Emirates

United States : 203 / 7 (50)
United Arab Emirates : 204 / 6 (44.5)

United States won by 4 wkts

Latest Matches



Somerset

Somerset : 216 / 7 (20)
Sussex : 169 / 10 (18.5)



Sussex

Cricket/Live score

This page shows all the live scores of matches happening around the world.

Sports Live HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS Search Player...

United States vs United Arab Emirates, 4th Match

Date : 2022-06-01 Venue : Moosa Stadium, Pearland

 United States  United Arab Emirates

UAE :203 / 7 (50)
USA :204 / 6 (44.5)

United States won by 4 wkts

Somerset vs Sussex, South Group

Date : 2022-06-01 Venue : The Cooper Associates County Ground, Taunton

 Somerset  Sussex

SOM :216 / 7 (20)
SUSS :169 / 10 (18.5)

Sussex won by 47 runs

Northamptonshire vs Leicestershire, North Group

Date : 2022-06-01 Venue : County Ground, Northampton

 Northamptonshire  Leicestershire

LECS :227 / 1 (20)
NOR :185 / 9 (20)

Northamptonshire won by 42 runs

Durham vs Worcestershire, North Group

Date : 2022-06-01 Venue : Riverside Ground, Chester-le-Street

 Durham  Worcestershire

DURH :186 / 7 (20)

Cricket/Rankings/Batting/Test

This page shows Ranking of players based on their Role and Match format.

Sports Live HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS Search Player...

BATTING BOWLING

TEST	ODI	T20
Rank	Image	Name
1		Marnus Labuschagne
2		Steven Smith
5		Babar Azam

Cricket/Ranking/Bowling/Test

This page shows Ranking of players based on their Role and Match format.

Sports Live HOME CRICKET FOOTBALL

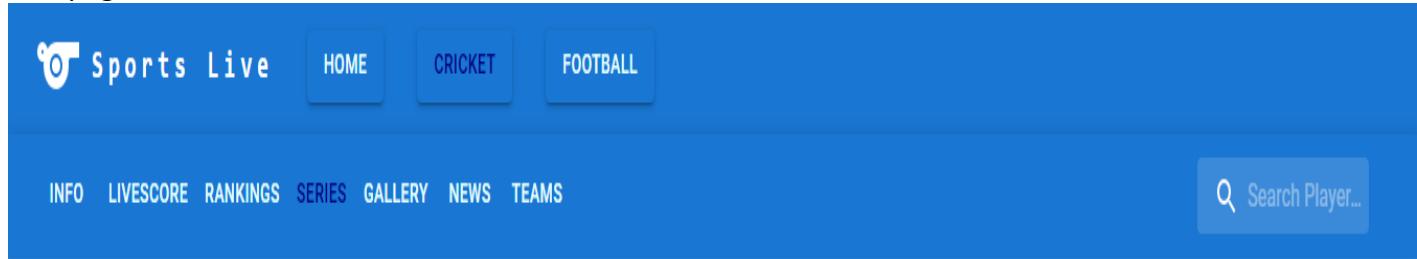
INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS

BATTING **BOWLING**

TEST	ODI	T20
Rank	Image	Name
1		Pat Cummins
4		Shaheen Afridi
5		Kyle Jamieson

Cricket/Series

This page shows List of Series.



The header features a blue navigation bar with the 'Sports Live' logo on the left, followed by 'HOME', 'CRICKET' (which is highlighted in blue), and 'FOOTBALL'. Below this are links for 'INFO', 'LIVESCORE', 'RANKINGS', 'SERIES' (highlighted in blue), 'GALLERY', 'NEWS', and 'TEAMS'. A search bar on the right contains the placeholder 'Search Player...'.

Series Name	
▼	Spain Triangular T20I Series, 2022
▼	South Africa A tour of Zimbabwe, 2022
▼	Capricorn Womens Tri-Series, 2022
▼	Finland tour of Denmark, 2022
▼	Pakistan tour of Netherlands, 2022
▼	Namibia tour of Zimbabwe, 2022

Cricket/Gallery

This page shows Images of cricket with some description.

Sports Live

HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS

Search Player...

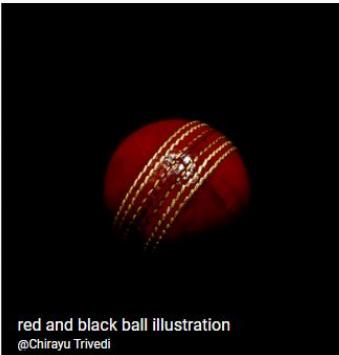
Gallery



shallow focus photography of red cricket...
@Alessandro Bogliari



crowd of people sitting on stadium seats
@Aksh yadav



red and black ball illustration
@Chirayu Trivedi



silhouette of people standing on grass fi...
@vicky adams



man in white baseball jersey playing golf...
@michael weir



people watching football game during d...
@Alay Parthasarathy

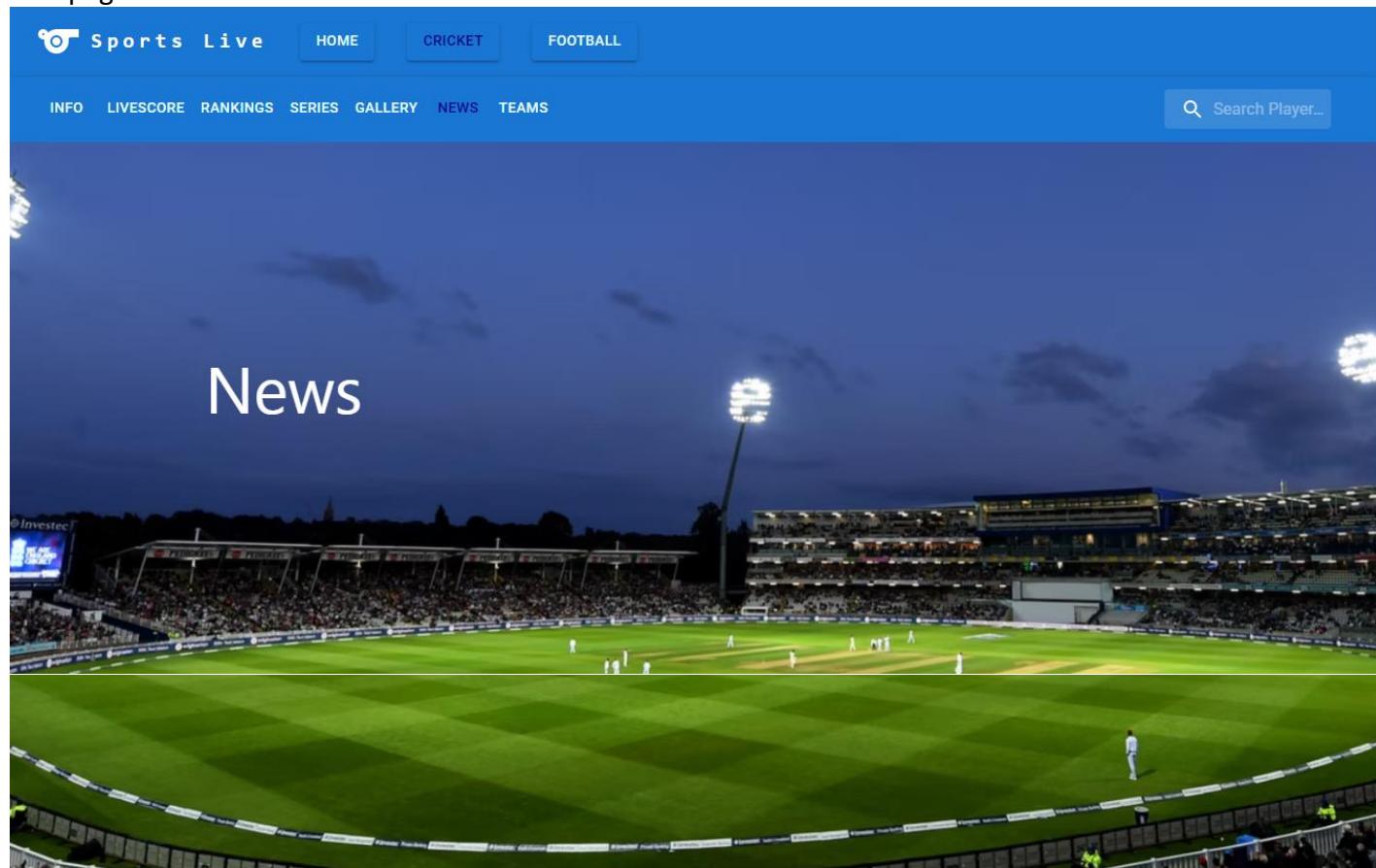


red and blue ball illustration
@Pickled Stardust



person holding cricket bat
@Patrick Hendry

This page shows All Latest News of Cricket.



News

Latest News



Mark Boucher: Cricket South Africa drop disciplinary charges against men's head coach

Cricket South Africa (CSA) withdraw disciplinary charges against men's head coach and former wicketkeeper Mark Boucher.

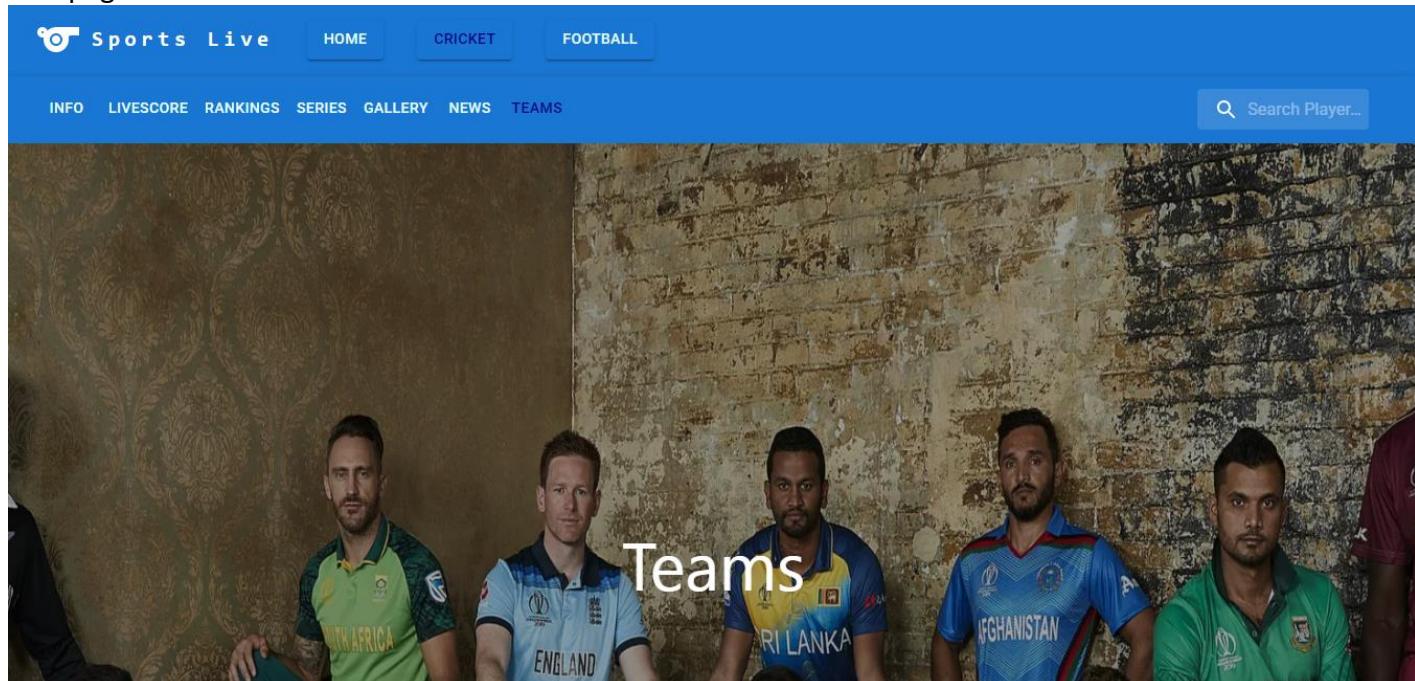


Thomas Cup: How cricket-crazy India scripted world badminton glory

Nobody gave India a chance but the team defied the odds to cause a huge sporting upset.

Cricket/Teams

This page shows all the Teams.



The image shows a group of cricket players from different countries sitting against a brick wall. The players are wearing their respective national team jerseys. Overlaid on the image is the word "Teams" in a large, white, sans-serif font.

Teams



India



Pakistan



New Zealand



Australia



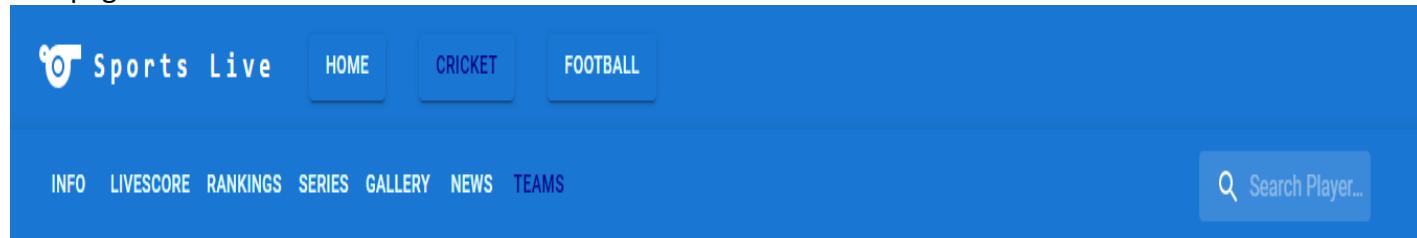
England



South Africa

Cricket/Team/Schedule

This page shows all the Schedule Matches of Particular Team.



The header includes a logo for 'Sports Live' with a stylized 'S' and 'L'. Below it are links for INFO, LIVESCORE, RANKINGS, SERIES, GALLERY, NEWS, and TEAMS. A search bar on the right contains a magnifying glass icon and the placeholder text 'Search Player..'



The India team logo is displayed prominently.

SCHEDULE PLAYERS STATS

Match	Match Status	Venue	Date	Match Type
England vs India, 5th Test (Rescheduled match)	Match not started	Edgbaston, Birmingham	2022-07-01	test
England vs India, 1st T20I	Match not started	The Rose Bowl, Southampton	2022-07-07	t20
England vs India, 2nd T20I	Match not started	Edgbaston, Birmingham	2022-07-09	t20
England vs India, 3rd T20I	Match not started	Trent Bridge, Nottingham	2022-07-10	t20
England vs India, 1st ODI	Match not started	Kennington Oval, London	2022-07-12	odi
West Indies vs India, 5th T20I	Match not started	Central Broward Regional Park Stadium Turf Ground, Lauderhill, Florida	2022-08-07	t20

⊕ Cricket/Teams/Players

This page shows all the Players which play under particular Team.

Sports Live

HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS

Search Player...

India

SCHEDULE PLAYERS STATS

 Virat Kohli Batsman	 Rohit Sharma Batsman	 KL Rahul WK-Batsman	 Ravindra Jadeja Bowling Allrounder
 Jasprit Bumrah Bowler	 Hardik Pandya Batting Allrounder	 Rishabh Pant WK-Batsman	 Shikhar Dhawan Batsman

Cricket/Teams/Stats

This page shows the Statistic of Particular Team.

Sports Live

HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS

Search Player...

India

SCHEDULE PLAYERS STATS

TEST ODI T20

Total Matches

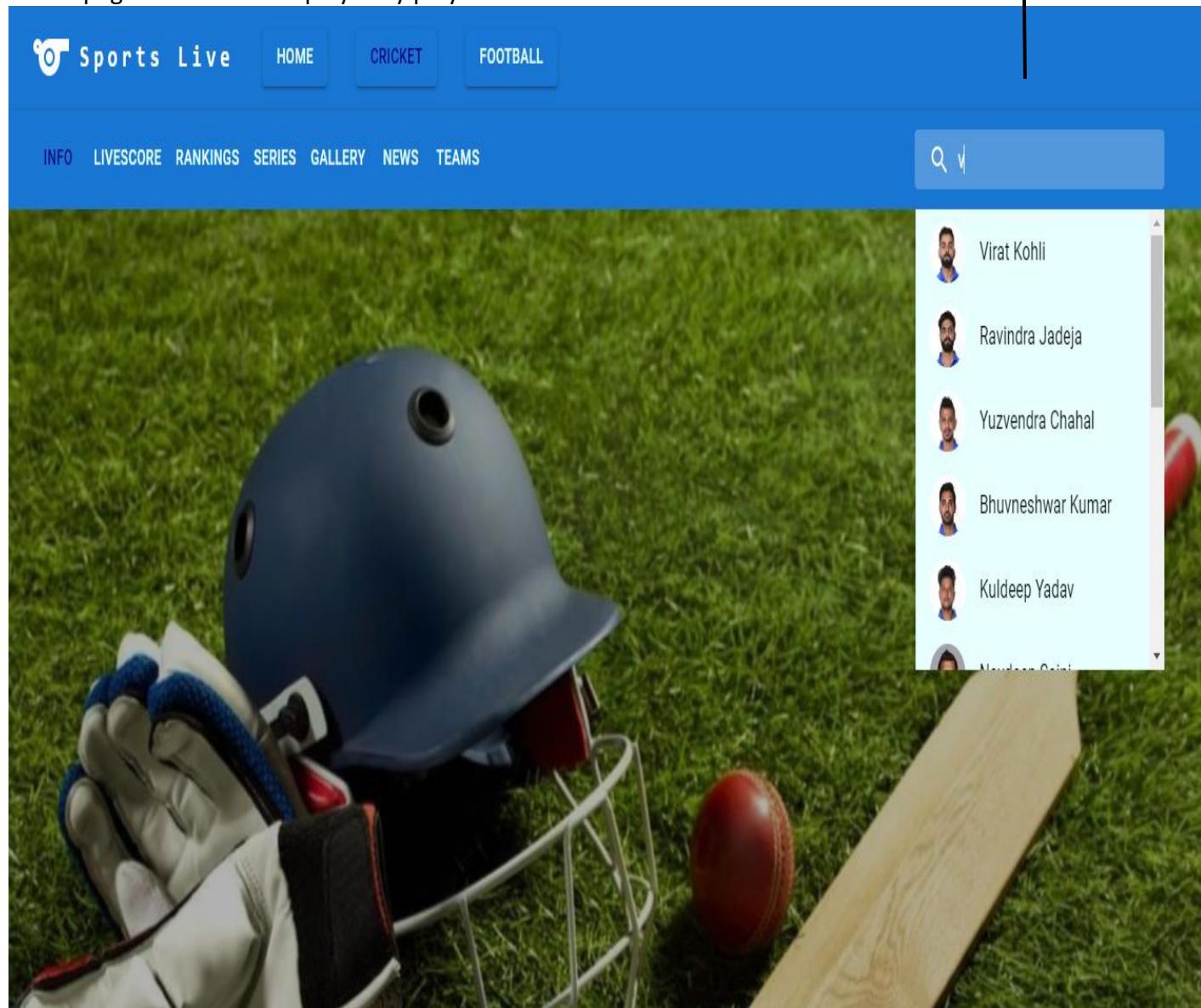
Match Status	Total
Played	533
Won	150
Lost	165
Drawn	218

Matches Won 150 Matches Lost 165 Matches Drawn 218

Search

Cricket/Player Search

On This page we can search player by player name.



A close-up photograph of a cricket player's hand gripping a bat. The player is wearing a blue helmet and white gloves. A red cricket ball is resting on the grass next to the bat. The background is a green lawn.

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS

SEARCH

- Virat Kohli
- Ravindra Jadeja
- Yuzvendra Chahal
- Bhuvneshwar Kumar
- Kuldeep Yadav
- Naseem Shah

Cricket/Player Info

This page shows Detailed player Information.

Sports Live HOME CRICKET FOOTBALL

INFO LIVESCORE RANKINGS SERIES GALLERY NEWS TEAMS Search Player...



Personal Information

Date Of Birth: Dec 06, 1988
Birth Place: Navagam-Khed, Saurashtra
Role: Bowling Allrounder

Debut

Test: vs England, Dec 13, 2012
ODI: vs Sri Lanka, Feb 08, 2009
T20: vs Sri Lanka, Feb 10, 2009

Ravindra Jadeja

Type	Matches	Innings	Runs	High Score	Average	Strike Rate
Test	59	87	2396	175	35.76	60.08
ODI	168	113	2411	87	32.58	87.07
T20	58	29	326	45	21.53	124.43

Type	Matches	Innings	Wickets	Economy	Average	Strike Rate	5W	10W
Test	59	112	242	2.43	24.44	60.44	10	1
ODI	168	164	188	4.93	37.36	45.52	1	0
T20	58	56	48	7.04	27.46	23.04	0	0

DRAWBACKS & LIMITATIONS

It gives information about what the defined system is unable to do at its present state which occurs through variations in collected data. They are listed as follows,

- This project is developed for web application; hence it is not completely responsive to mobile application.
- Users can only view website in English language.
- This website is not showing complete data for the available sports as the API's used are limited ones.

FUTURE ENHANCEMENT

It contains the decision-making artifact that helps estimate, refine, and prioritize everything that might sometime in the future be implemented. Here is a list of few enhancements,

- ✚ User will be able to see more sports on this website.
- ✚ User can do Online Ticket Booking of matches.
- ✚ User can do Online Shopping of sport related equipment's on this website.

OTHER TRAINING ACTIVITIES

Learning Sessions

- JavaScript Basics
- Advanced JavaScript
- HTML & CSS basics
- Mobile First Or Responsive layout Using HTML5 & CSS3
- Reacts
- Exception Handling
- Database Management System
- Programming Skills
- Project Estimation
- Project Planning

Tasks & Assignments

- 5 Programs Using C
- 3 Programs Using Python
- 6 Programs Using JavaScript
- 5 Pages Design using HTML, CSS

CONCLUSION

This internship was a professional experience in the world of computer science. In a nutshell, it was an excellent and rewarding experience. All weekly as well as monthly tasks offered opportunities to learn and develop knowledge and skills in many areas and helped in gaining a lot of experience in web, database, and cross platform development notably by learning a new and innovative knowledge in react js and node js web development.

Finally, this internship allowed autonomously, acquiring skills in design and architecture application which helped in exploring more in the technology world.

References

- [What is website theme?](#)
- [Javascript.info](#)
- [React mui](#)
- [ReactJS](#)
- [Bree scheduler](#)
- [Mongoose](#)

Glossary

This is an alphabetical list of words relating to a specific subject, text, or dialect, with explanations, a brief dictionary.

Term	Meaning
API	Stands for Application Programming Interface. It is a set of functions and procedures that allow for the creation of applications that access data and features of other applications, services, or operating systems.
Caveat	A warning or proviso of specific stipulations, conditions, or limitations.
Development Lifecycle	A framework defining tasks performed at each step in the software development process.
Effort Estimation Report	A comparison of estimated time for tasks vs actual time taken to complete them.
Express JS	It is a back-end web application framework for Node.js, released as free and open-source software under the MIT License. It is designed for building web applications and APIs.
Feasibility study	Assessment of practicality of proposed project or plan.
Gantt chart	A graphical description of a project schedule.

Term	Meaning
Git	Software for tracking changes in any set of files, usually used for coordinating work among programmers collaboratively developing source.
GitHub	A provider of Internet hosting for software development and version control using git.
JSX	It is a syntax extension to JavaScript recommended using with React to describe what the UI should look like.
Libraries	A collection of non-volatile resources used by computer programs, often for software development.
Node JS	It is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.
Persona	An example of the kind of person who would interact with a system.
React JS	JavaScript library for building user interfaces.
Requirement	Description of what a system should do.
Stand-up Meeting	Short, time-boxed team status check, typically at the start of the day.
Technical Feasibility	The process of proving that the concept is technically possible.
Test Case	A set of actions executed to verify a particular feature or functionality of an application.
UI Testing	A type of software testing where individual units or components in the frontend of software are tested.
User story	A description of a software feature from an end-user perspective.
Version control	The practice of tracking and managing changes to software code