

# Sports Buddy Application

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**Abstract:** *The Sports Buddy application allows distributors to post details of various sports information, such as location and time, for events conducted near their location. With millions of matches, Sports Buddy has become the world's largest sports matching platform. Powered by cutting-edge Android technology, Sports Buddy enables you to expand your network, meet new friends, connect with locals while travelling, and find your buddy in over N sports. It provides an app that allows users to foster real and meaningful connections, going beyond just social interactions. Connecting on Sports Buddy is easy and fun; simply select the sports you are interested in, set your skill level, and let the matching begin! Sports Buddy also offers a range of features to help users manage their bookings and stay up-to-date on upcoming events. Users can create an account to store their preferences and booking history, as well as receive alerts and notifications about new events and changes to existing bookings. The system also includes a payment gateway for secure and efficient payment processing, along with tools for event organizers and distributors to manage their listings and track ticket sales. We can also buy sports related accessories here and its payment goes to distributor.*

**Keywords:** Sports Buddy.

## I. INTRODUCTION

The Sports Buddy application is a project that aims to provide a platform for users to connect and engage in sports-related activities. It provides an integrated platform to manage various aspects of sports, including accessories, tournaments, users, tickets, finances, turf, training.

The aim of the Sports Buddy application project is to provide a platform that connects sports enthusiasts and facilitates their engagement in various sports activities. The project focuses on enabling users to find sports events and opportunities near their location by allowing admin to post details such as event information, location, and time. The primary goal is to help users expand their sports network, meet new friends, and connect with local sports communities, particularly when they are travelling. The project aims to cater to a wide range of sports disciplines, offering users the ability to find compatible sports partners or buddies across different sports categories.

## II. METHODOLOGY

- Requirement Gathering: Identify specific requirements, considering React.js for the frontend and Laravel for the backend. Understand the features needed for the frontend (user interface, order placement, delivery tracking) and backend (order processing, inventory management, user authentication).
- System Design: Design the frontend using React.js, creating components for different user interactions and views. Design the backend architecture using Laravel, defining API routes for data communication between frontend and backend. Plan the database structure using Laravel
- Technology Selection: Choose React.js for building the dynamic user interface with components. Choose Laravel as the backend framework due to its RESTful API capabilities and ease of database integration. Development: Implement React components for user interfaces, such as product listing, order placement, and delivery tracking. Develop Laravel controllers and models to handle API requests, process orders, manage inventory, and authenticate users.

### III. EXISTING AND PROPOSED SYSTEMS

#### 3.1 Existing Systems

In the existing system, users or people can play their sports in sports grounds or other designated places. However, it takes more time to gather all the teams and team members. Sometimes, certain team members arrive late for the tournament, resulting in extended waiting times. The major problem in the sports system is the allocation of tournaments to participating teams, which often leads to delays in reaching team members and causes confusion

##### A. Limitations of Existing System

- Time consuming
- Difficulty in tournament publicity
- Lack of punctuality
- Inability to purchase sports accessories
- Difficulty in ticket booking
- Challenges in finding sports grounds and friends
- Inability to book sports grounds based on user preferences

#### 3.2 Proposed System of Sports Buddy Application

Have you ever found yourself looking for someone to play tennis with? Or maybe you need five players to complete a team for a fun game of soccer. Or perhaps you're out of town this weekend and want to play football for fun but don't have any friends to play with. Well, Sports Buddy is here to help! Use Sports Buddy to make "real-life" friends while also improving your health and physical condition by participating in enjoyable activities you love.

##### A. Advantages of Sports Buddy Application

- Find and meet sporty people interested in playing with you.
- Plan games, matches, and tournaments together, or create a team, or simply hang out for fun!
- Play your favourite games with new people and experience new challenges.
- Stay fit and healthy by engaging in sports while making new friends.
- Forge solid and lifelong connections through shared experiences and memories.
- And who knows, you might even meet the love of your life!
- Access to purchasing sports accessories.
- Ticket booking is easy
- Ability to book sports grounds based on user preferences

### IV. BACKGROUND

React.js, more commonly known as React, is a free, open-source JavaScript library. It works best to build user interfaces by combining sections of code (components) into full websites. Originally built by Facebook, Meta and the open-source community now maintain it. **Laravel** is an open-source PHP framework, which is robust and easy to understand. It follows a model-view-controller design pattern. Laravel reuses the existing components of different frameworks which helps in creating a web application. The web application thus designed is more structured and pragmatic. **MySQL** is a relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases. MySQL is a popular choice of database for use in web applications and is an open source product.

### V. CONCLUSION

In conclusion, Sports Buddy is a comprehensive platform designed for sports event booking and management. With its user-friendly interface, advanced features, and robust modules, Sports Buddy offers a seamless experience for end-users, distributors, and administrators alike. The User Module allows users to easily search for sports events, book tickets, and view event-related information, while the Distributor Module provides distributors with the tools they need

to manage their commissions, payouts, and teams. The Turf module is for managing tournaments, order viewing, commissions and ticket allocation. The Admin Module offers comprehensive features to manage the system's user accounts, distributor accounts, and content, as well as generate reports on system performance. Overall, Sports Buddy is a valuable tool for sports enthusiasts, event organizers, and distributors, providing an efficient and effective way to manage sports events, book tickets, and earn commissions. Its advanced features and user-friendly interface make it a top choice for sports event management and booking.

### VI. FUTURE ENHANCEMENT

- Virtual Training and Coaching: The application could incorporate virtual training and coaching features, allowing users to access personalized workout routines, coaching sessions, and skill development programs. Virtual trainers could provide real-time feedback and guidance, helping users improve their performance.
- Augmented Reality (AR) Integration: AR technology could be integrated into the app, enabling users to overlay virtual elements onto their real-world environment. For sports enthusiasts, this could mean visualizing game scenarios, tracking stats and performance metrics, or even competing against virtual opponents in their surroundings.
- Social Networking Features: Enhancements to the app's social networking capabilities could facilitate better connectivity among users. This could include features such as user profiles, the ability to follow and connect with other sports enthusiasts, and the option to form teams or join sports communities based on shared interests.
- 4. Advanced Data Tracking and Analysis: The app could leverage advanced sensor technology and machine learning algorithms to track and analyze sports performance data in greater detail. This might include metrics like heart rate, speed, acceleration, technique, and more. Users could gain valuable insights into their performance, identify areas for improvement, and set personalized goals.
- Integration with Wearable Devices: Seamless integration with popular wearable devices, such as fitness trackers, smart watches, or specialized sports gear, could provide users with a more comprehensive and accurate picture of their physical activities. This would enable automatic data synchronization, real-time monitoring, and enhanced tracking capabilities.

### VII. RESULTS AND DISCUSSIONS

#### 7.1 Screenshots

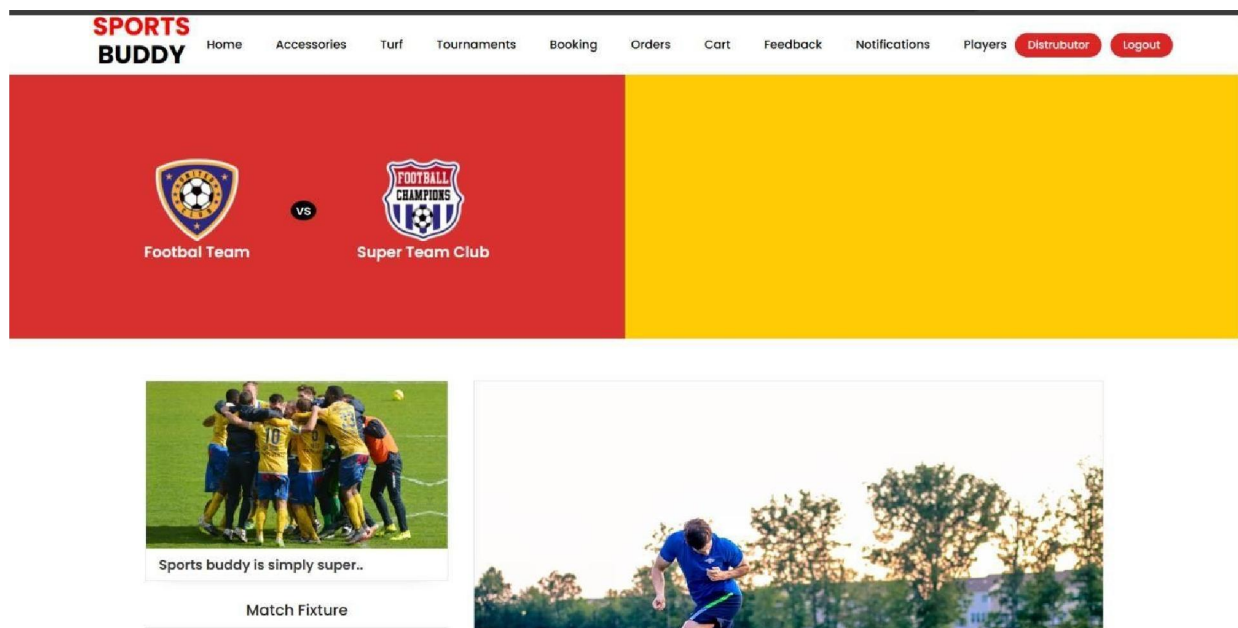
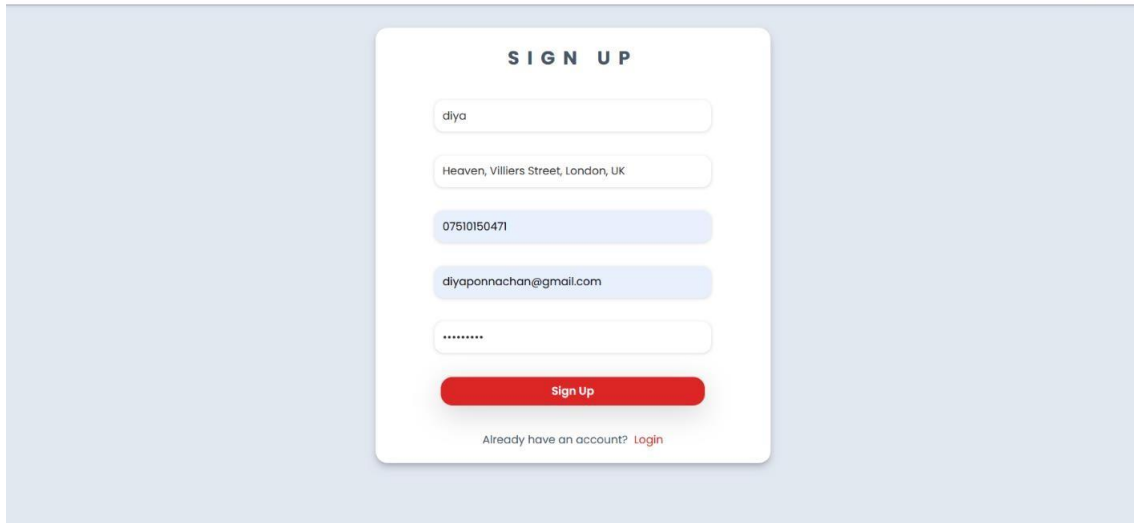


Figure 1: Home Page

**SPORTS BUDDY**

Sign Up

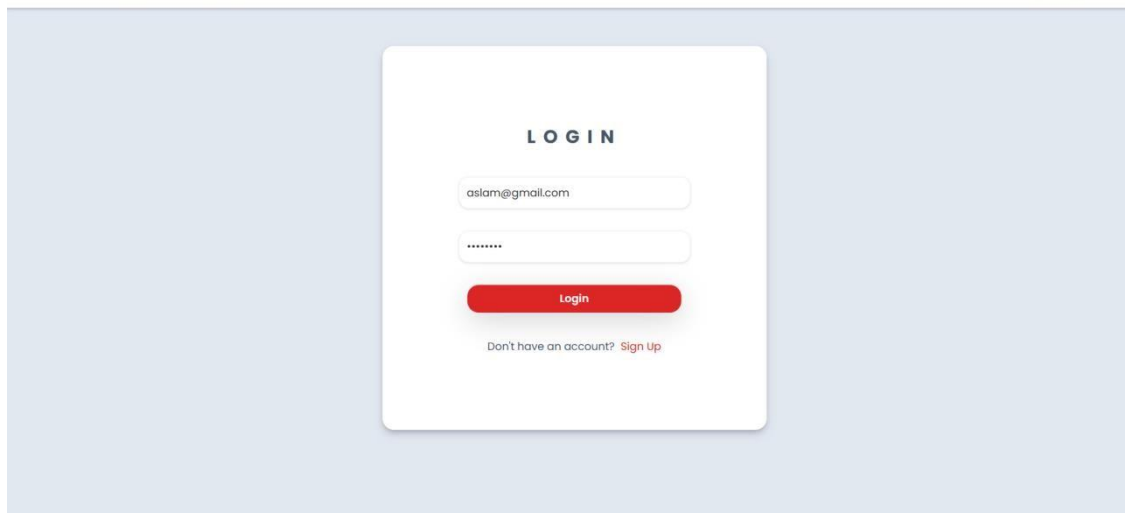


The registration page features a central white card with the title "SIGN UP". It contains five input fields: a text field with "diya", an address field with "Heaven, Villiers Street, London, UK", a phone number field with "07510150471", an email field with "diyapennachan@gmail.com", and a password field with ".....". A red "Sign Up" button is positioned below the fields. At the bottom of the card, it says "Already have an account? [Login](#)".

Figure 2: Registration Page

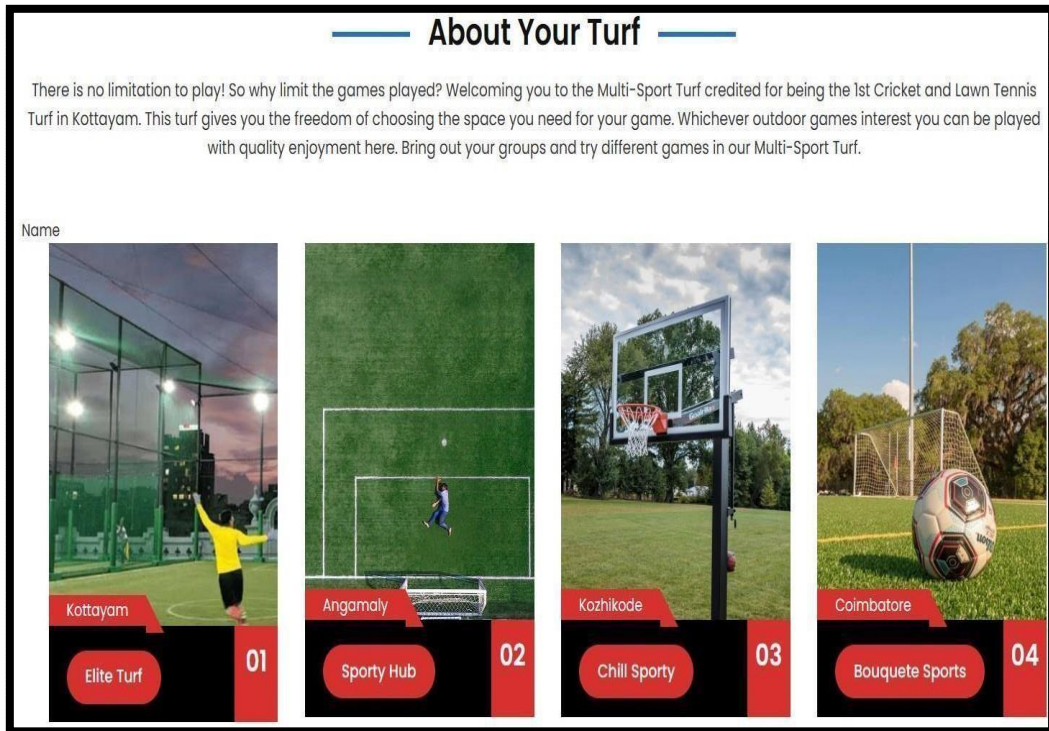
**SPORTS BUDDY**

Sign Up

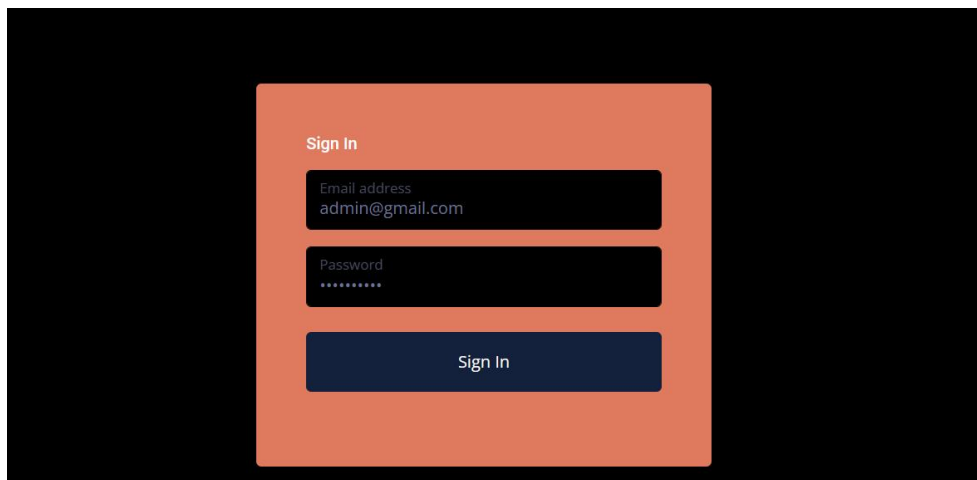


The login page features a central white card with the title "LOGIN". It contains two input fields: an email field with "aslam@gmail.com" and a password field with ".....". A red "Login" button is positioned below the fields. At the bottom of the card, it says "Don't have an account? [Sign Up](#)".

Figure



**Figure 4:**Turf Page



**Figure 5:**Admin Login Page

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