



DEPARTMENT OF
SOFTWARE ENGINEERING

PROJECT REPORT



FOOTY INSIGHTS
AI AND CLOUD INTEGRATED
FOOTBALL WEBSITE

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Abstract

This report presents the design, development, and implementation of an intelligent, feature-rich Football Web Application built using React.js. The application serves as a unified platform for football enthusiasts by providing access to live scores, match fixtures, player statistics, team standings, and comprehensive football history data, including World Cup and Ballon d'Or winners. Leveraging a modular component-based architecture and responsive UI, the application ensures seamless usability across devices.

The system also features a Football AI Chatbot that uses natural language processing (NLP) to answer user queries related to players, teams, and match insights, enhancing user engagement through conversational AI. In the shopping module, AI-driven recommendations and personalized product suggestions are implemented to improve e-commerce experience. The AI engine analyzes user interaction patterns to suggest football gear, jerseys, and accessories aligned with user preferences and current trends.

Additionally, the application includes a formation builder, interactive player quizzes, live standings, and a fixture search tool powered by external APIs. All critical functionalities are optimized for performance, user experience, and scalability. The project highlights best practices in modern front-end development, state management, API integration, and intelligent UI behavior.

This report documents the architecture, technology stack, development process, challenges faced, and the solutions implemented, demonstrating the potential of combining real-time data, cloud computing, and artificial intelligence in a single football-centric platform.

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1. PROJECT OVERVIEW

This section provides a comprehensive summary of the football web application, covering its purpose, features, architecture, and intelligent integrations. The goal is to offer users a unified platform that delivers live football insights, historical data, personalized shopping, and an AI-driven user experience.

1.1. Introduction

Football is not just a sport; it is a global phenomenon that unites billions of fans, players, and organizations across the world. The demand for real-time updates, insightful statistics, interactive content, and merchandise shopping has grown significantly in the digital age. To address this demand, our project is introducing an all-in-one Football Web Application.

The football web application is an innovative platform developed using ReactJS that combines live data, historical insights, AI-powered tools, and e-commerce in a single system. With football being one of the most followed sports globally, this application is designed to provide fans with:

- Live match scores and realtime updates.
- Upcoming fixtures by league.
- Player and team information.
- League standings.
- World Cup and Ballon d'Or history and other history data.
- Football gallery
- AI chatbot for football queries.
- A store with intelligent product recommendations.
- And many more features

1.2. AI-Powered Features

Artificial Intelligence enhances both user interaction and store intelligence in the following ways:

- **AI Football Chatbot:** Uses Natural Language Processing (NLP) to answer user queries related to football, including players, leagues, matches, and events. It provides an engaging and interactive experience.
- **AI in Shopping Store:** The built-in merchandise store leverages AI through a RandomForestRegressor model to intelligently predict product prices. By analyzing historical data, product features, and user behavior, the model generates accurate price

estimations and dynamic pricing strategies. This enables better pricing decisions, enhances the user's experience, and improves conversion rates by offering competitive and personalized price points.

1.3. Cloud Services Integration

The project leverages cloud-based technologies to ensure high availability, scalability, and secure data handling. By integrating Firebase and Vercel, the application demonstrates how modern web systems can be rapidly built and deployed using cloud-native tools.

1.4. Vision Statement

To create the world's most comprehensive football platform that combines real-time information, statistical analysis, and intelligent commerce solutions in a single, user-friendly interface.

1.5. Project Scope

The platform encompasses two integrated modules:

1. Football Information Hub

A comprehensive information portal providing:

- Live match scores and statistics
- Team and player profiles
- Historical football data
- News aggregation
- AI-powered chatbot assistance
- Interactive tools and games

2. Football Store Integration

An intelligent e-commerce solution featuring:

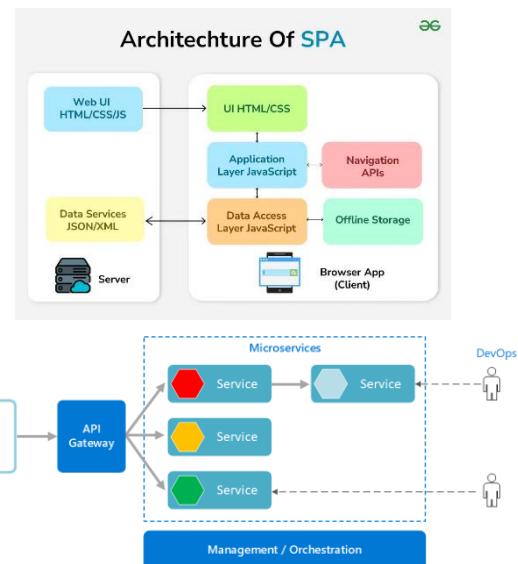
- Smart product recommendations
- AI-powered price predictions
- Real-time price comparisons
- Brand-specific filtering
- Market trend analysis

1.6.Target Audience

- **Primary:** Football enthusiasts aged 16-45
- **Secondary:** Sports betters and analysts
- **Tertiary:** Football equipment buyers
- **Niche:** Data researchers and sports journalists

2. SYSTEM ARCHITECTURE

The system architecture of the application follows a component-driven, modular design, combining the principles of a modern **Single Page Application (SPA)** using ReactJS on the frontend with a **microservices-based** backend. This hybrid architecture ensures scalability, maintainability, and efficient performance by separating client-side concerns and backend business functionalities. The SPA enables dynamic, seamless user interactions, while the microservices architecture organizes backend logic into independent, loosely coupled services that communicate via APIs, facilitating easier development, deployment, and scaling.



2.1.Client-Side Rendering (CSR)

The entire application operates as a **Single Page Application (SPA)** using **client-side rendering**:

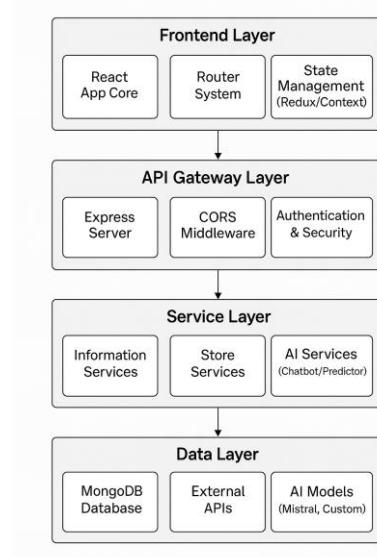
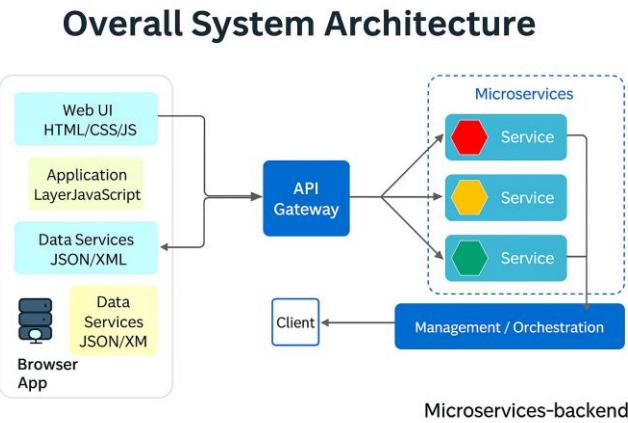
- Built with ReactJS, all user interface rendering is handled in the browser.
- Navigating between different views (e.g., Home, Shop, Cart, Admin) happens without full-page reloads, providing a smooth user experience.
- Only the necessary data is fetched and rendered, improving performance and responsiveness.

2.2. Modular Component Architecture

The project follows a feature-based modular structure, where each section of the application is split into folders containing relevant components, styles, and logic.

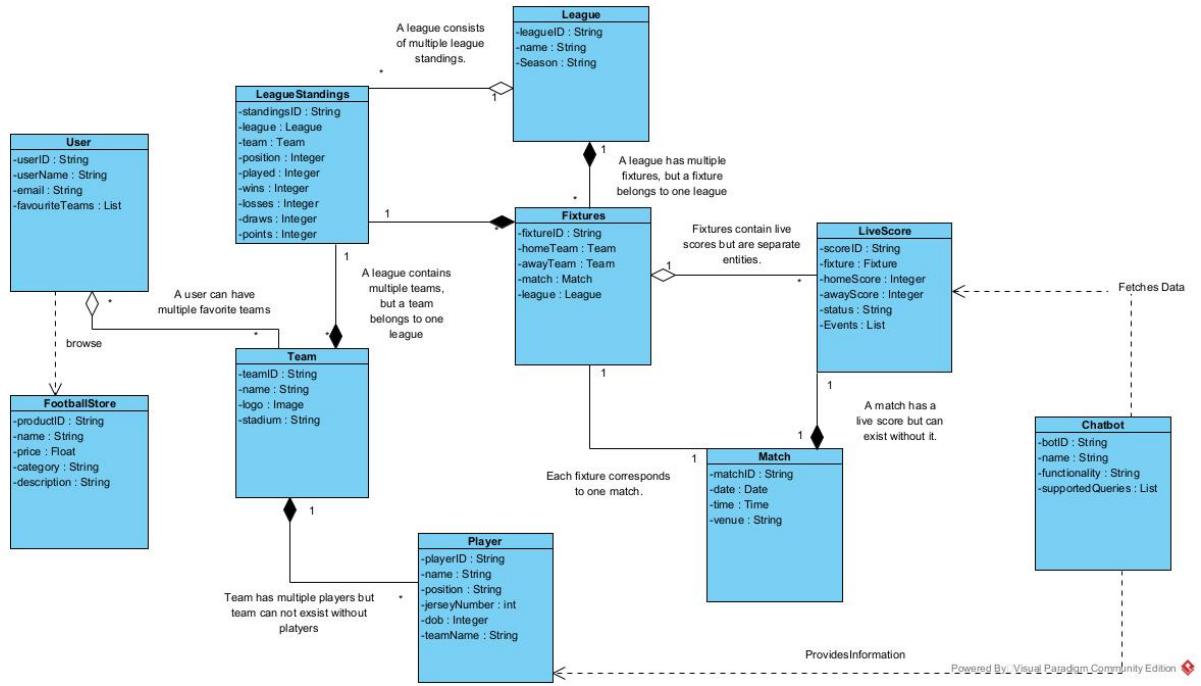
- **Decoupling:** Each feature is self-contained and loosely coupled.
- **Reusability:** UI components are broken down into smaller, reusable pieces.
- **Maintainability:** New features can be added or updated independently without impacting on the entire codebase.

2.3. System Architecture Diagram

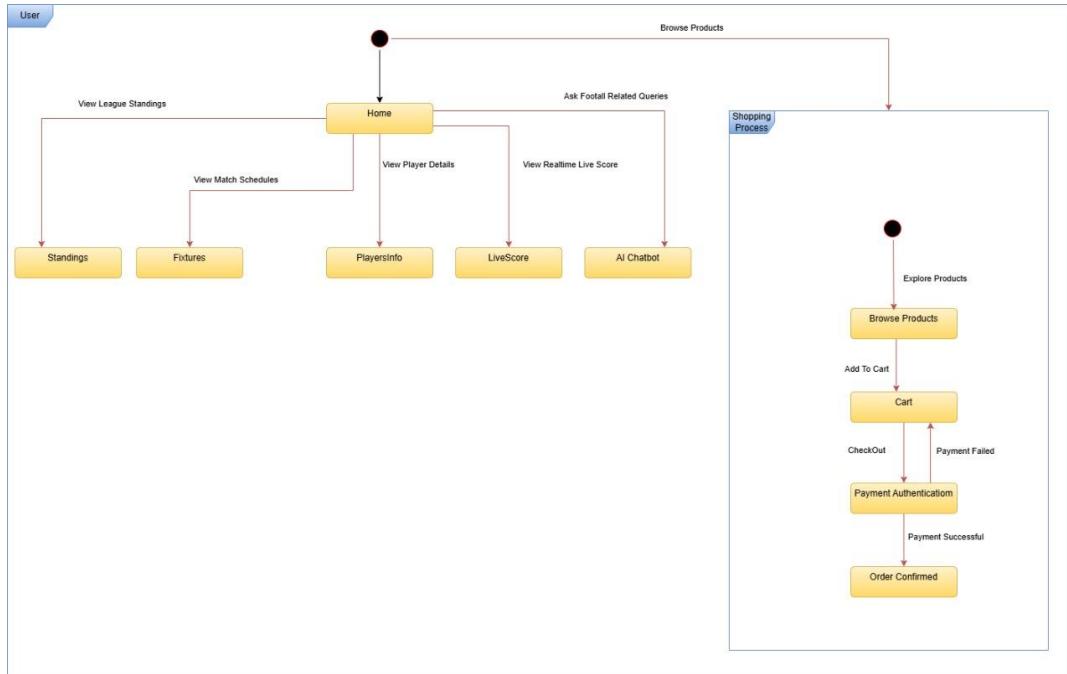


3. DIAGRAMS

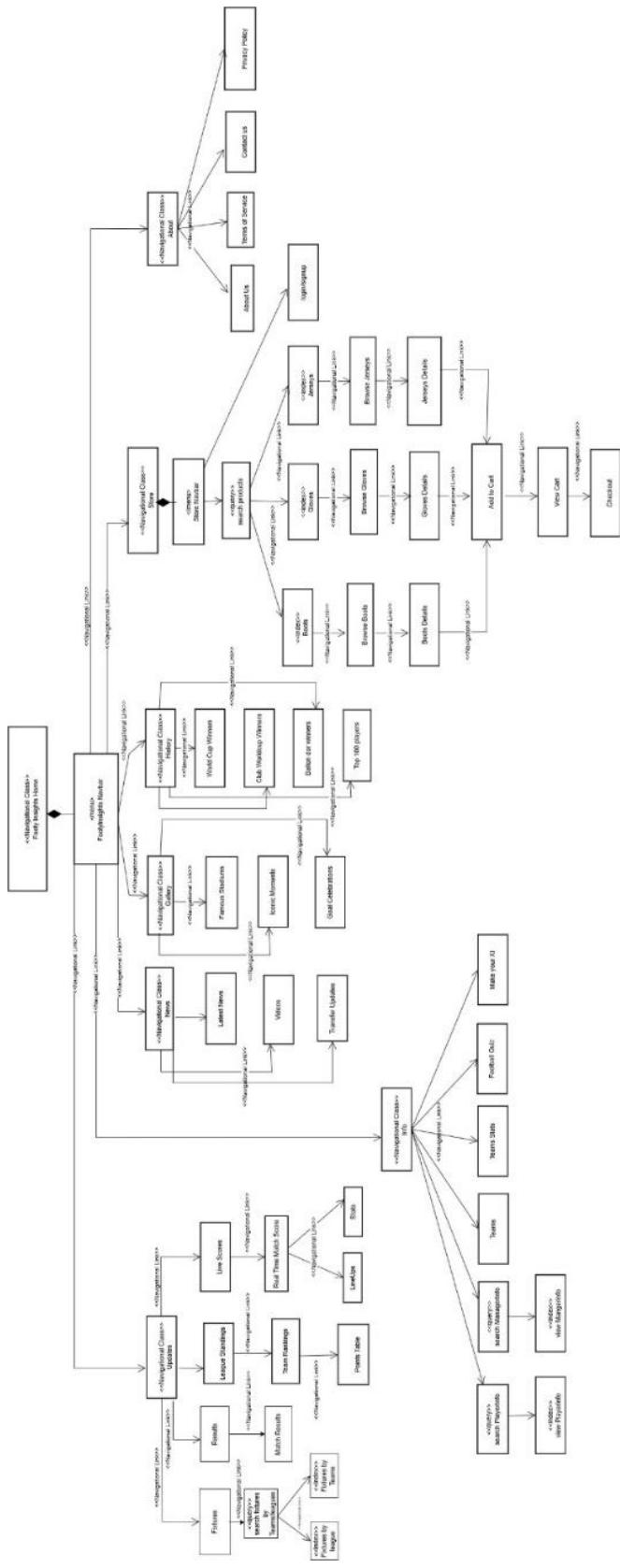
3.1. Class Diagram



3.2. State Diagram

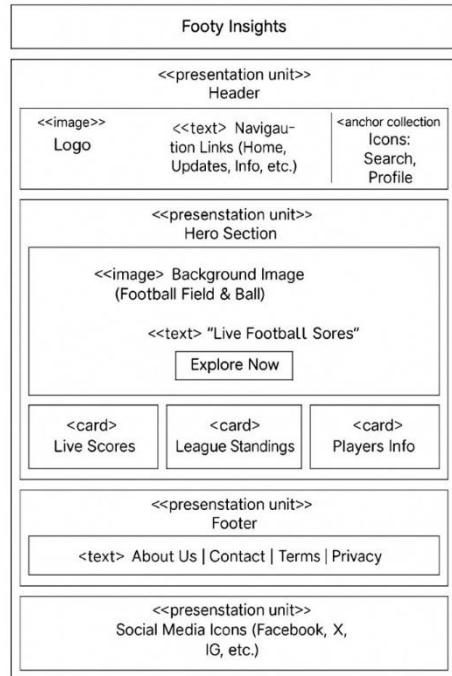


3.3.Navigation Model Diagram

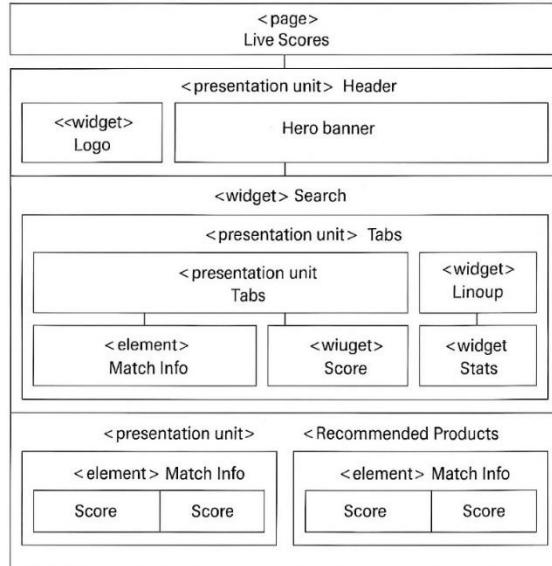


3.4.Presentation Diagram

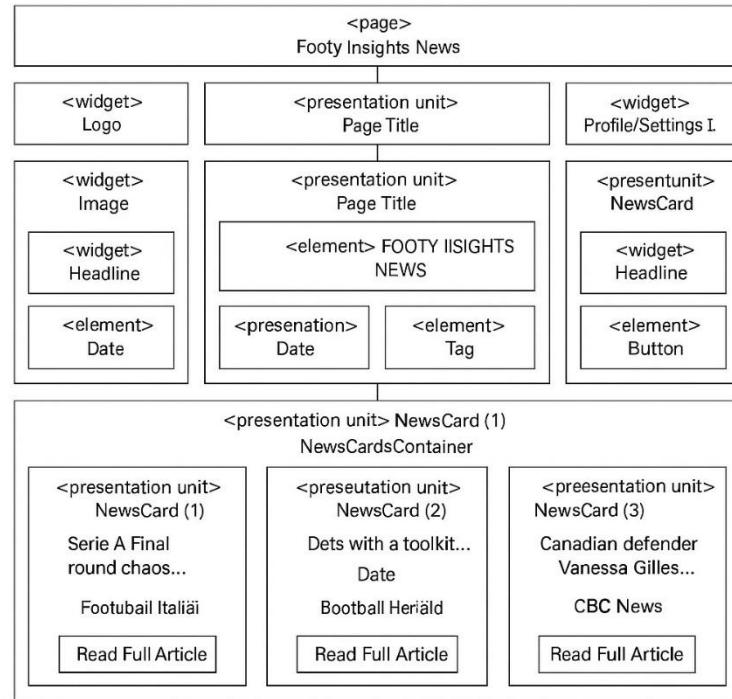
1. Foaty Insights Home page:



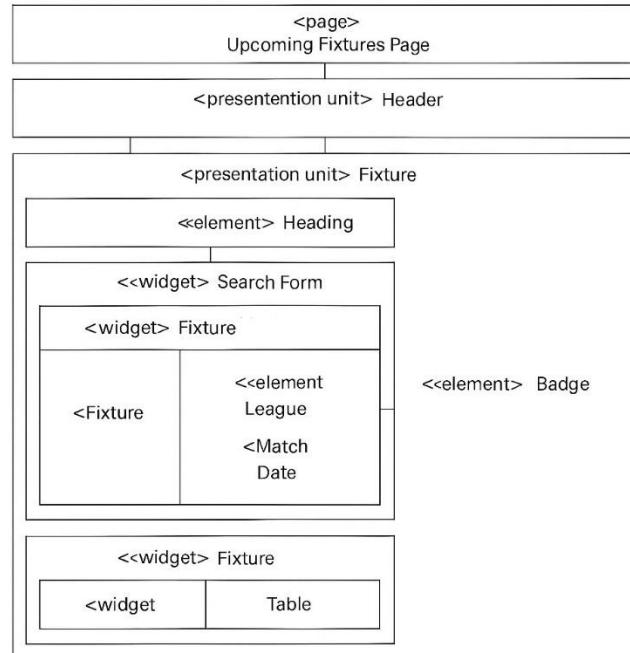
2. Live Score page:



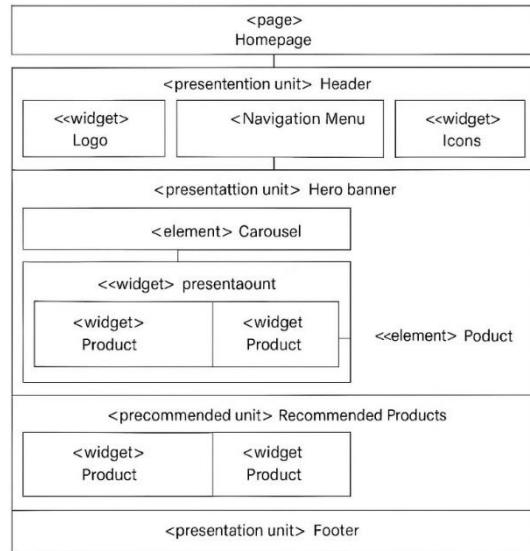
3. News Page:



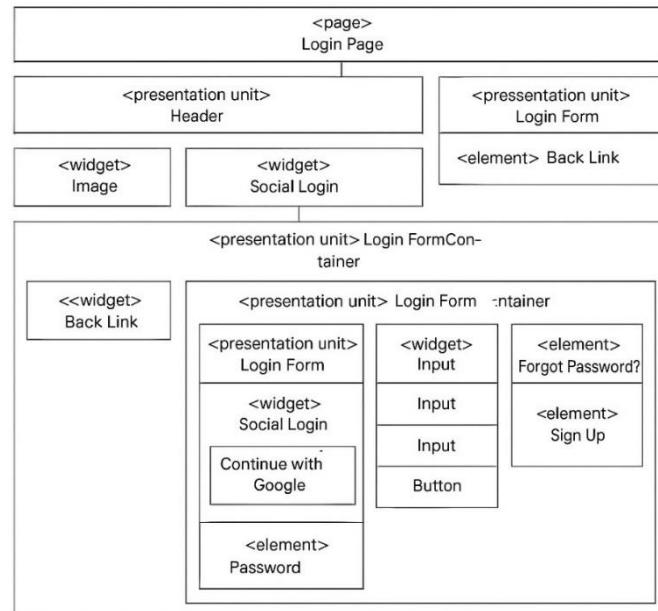
4. Fixtures page:



5. Store Home Page



6. Login page:



4. TECHNOLOGY STACK

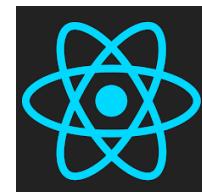
Layer	Tools/Frameworks Used
Frontend	React.js, React Router v6
State Management	React Context API
Authentication	Firebase Authentication
Styling	CSS Modules, Flexbox, Grid, Custom Themes
Build Tool	Create React App (CRA)
Package Manager	npm
Backend API (Data)	Public Football APIs (Live Scores, Fixtures)
Hosting	Vercel
Development Environment	Visual Studio Code

4.1.Frontend

Tools/Frameworks: React.js, React Router v6

- **React.js**

A popular JavaScript library for building user interfaces, especially single-page applications (SPAs). It allows you to build reusable UI components that efficiently update when data changes.



- **React Router v6**

This is the latest major version of React Router, a library that handles client-side routing in React apps. It allows you to navigate between different pages/views without reloading the whole page, enabling smooth navigation and dynamic URL management.



4.2. Authentication

Tool: Firebase Authentication

- Firebase Authentication is a service provided by Google that offers simple and secure user authentication methods, including email/password, phone number, and social logins (Google, Facebook, Twitter, etc.). It handles the backend for user sign-in, sign-up, password resets, and session management, so you don't have to build this complex logic from scratch.



4.3. API (Realtime Data)

Tool: Rapid API (All sport API, Divan score, Sofa score)

- Your app fetches real-time football data such as live scores, fixtures, player stats, and league standings from public football APIs. These APIs provide endpoints that you call via HTTP requests to retrieve up-to-date sports data for your frontend to display.



4.4. Backend

Tool: MongoDB Compass

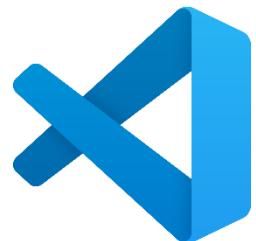
- MongoDB is a NoSQL database that stores data in flexible, JSON-like documents. It is ideal for modern web applications that require a dynamic schema and fast development cycles.
- MongoDB Compass is the official GUI for MongoDB, allowing developers to visualize, explore, and manage their MongoDB data with ease.



4.5. Development Environment

Tool: Visual Studio Code

- Visual Studio Code is a lightweight, yet powerful source code editor developed by Microsoft. It is widely used for JavaScript, React, and full-stack development.



5. FEATURES AND COMPONENTS

5.1. Football Platform Features

The football platform offers comprehensive coverage and interactivity for fans:

5.1.1. Live Scores and Updates

- Real-time match tracking
- Score updates
- Match statistics

5.1.2. Team and Player Information

- Player profiles
- Team statistics
- Manager information
- Transfer updates

5.1.3. Competition Data

- League standings
- Fixtures
- Results
- Match statistics

5.1.4. Interactive Features

- Lineup Builder
- Football Quiz
- Chatbot integration
- Video content

5.1.5. Historical Data

- World Cup Winners
- Ballon d'Or Winners
- Golden Boot Winners

- Club World Cup Winners
- Successful clubs and international teams

5.1.6. Media Gallery

- Stadiums Gallery
- Iconic Moments
- Celebrations Gallery

5.1.7. About Section

- About Us
- Privacy Policy
- Terms of Agreement
- Contact Us

5.2. E-commerce Features

Integrated store module offering football merchandise:

5.2.1. Product Management

- Football Boots catalog
- Team Jerseys section
- Football Gloves collection
- Idol Boots special collection

5.2.2. Shopping Experience

- Interactive product browsing
- Detailed product views
- Shopping cart functionality
- Secure checkout process

5.2.3. User Management

- User authentication
- Profile management
- Password reset functionality

- Google sign-in integration

5.2.4. Cart System

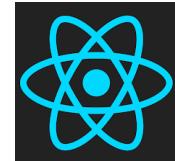
- Add/Remove items
- Quantity management
- Persistent cart storage
- Cart total calculation

5.2.5. Checkout Process

- Address information
- Payment processing
- Order confirmation
- Shipping calculations

6. REACT CONCEPTS USED

The project leverages core and advanced React concepts to build a scalable, maintainable, and interactive Single Page Application (SPA). Below is the key React concepts utilized:



6.1. Hooks Implementation

React Hooks are used extensively for managing component state, lifecycle events, and application logic:

- **useState** – Manages local component state.
- **useEffect** – Handles side effects such as data fetching and DOM manipulation.
- **useContext** – Accesses global state provided by Context API.
- **useRef** – Creates mutable references to DOM elements.
- **useLocation** – Provides access to the current URL in routing.
- **Custom Hooks** – Encapsulate reusable logic (e.g., useCart, useAuth, useNotification).

6.2. Context API for State Management

The Context API is used for global state sharing across components, avoiding prop drilling:

- **ThemeContext** – Manages light and dark mode toggles.
- **CartContext** – Tracks shopping cart data.
- **AuthContext** – Maintains user authentication and session status.
- **NotificationContext** – Displays toast messages and system alerts.

6.3. Component Architecture & Patterns

The app follows modern component-based design principles for flexibility and reusability:

- **Functional Components** – Core building blocks using hooks.
- **Higher-Order Components (HOCs)** – Reuse logic by wrapping components.
- **Component Composition** – Assembles complex UIs from smaller parts.
- **Render Props** – Allows dynamic content rendering via functions.
- **Modal Components** – For popups like login, cart, and alerts.

6.4. Routing and Navigation

Routing is managed with React Router v6 to enable seamless SPA navigation:

- **Dynamic Routing** – Generates routes based on parameters (e.g., product ID).
- **Protected Routes** – Restricts access to pages like Admin Dashboard.
- **Nested Routing** – Organizes child routes under layouts (e.g., /admin/products).
- **Route Transitions** – Enhances navigation experience using smooth transitions

7. AI FEATURES

This section outlines the artificial intelligence capabilities integrated into the system, divided into two core domains Pricing Intelligence and Conversational AI (Chatbot). These AI modules enhance the platform's ability to deliver data-driven insights, automation, and intelligent interaction.

7.1 AI Chatbot

Overview

The football web application features an AI-powered chatbot that enhances user engagement by providing intelligent and interactive football-related assistance. Integrated into the frontend interface, the chatbot leverages the Mistral AI API to deliver context-aware and responsive interactions in real-time.

User Interface

- Floating chat button featuring an animated robot icon
- Collapsible and draggable chat window
- Real-time message streaming for a conversational feel
- Responsive design adaptable to desktop and mobile devices
- Support for both dark and light themes
- A welcome screen with curated prompts to guide the user

AI Capabilities

- **Domain-Specific Knowledge:** The chatbot is trained and configured to answer exclusively football-related questions including teams, players, history, statistics, tactics, and regulations.
- **Context Awareness:** Maintains conversational flow and understands follow-up questions.
- **Streaming Responses:** Sends AI responses progressively for a more natural conversation experience.
- **Fallback Mechanisms:** Graceful handling of ambiguous or invalid input with predefined fallback replies.

System Configuration

- Custom **system message** fine-tunes the assistant to restrict answers to football/soccer topics only.
- Ensures guidance on matches, player performance, club history, rules, and football news.

User Experience Enhancements

- Smooth animations and modern design principles
- Clear separation between user and bot messages
- Persistent session-based chat history for improved usability
- Accessibility-first color schemes with toggle support for dark mode

Technical Notes

- Communication via the **Mistral AI API** using secure API key handling
- All API credentials and sensitive configurations are stored securely in .env files
- Efficient state management ensures low-latency interactions and optimized rendering
- Error messages are sanitized to prevent API leaks and ensure user-friendly feedback

7.2 AI-Powered Pricing Intelligence

The pricing subsystem leverages machine learning and statistical analysis to forecast price trends, analyze market positioning, and suggest optimal pricing strategies. It consists of three main AI modules:

Price Prediction Engine

Component: PricePredictor class in ai_price_predictor.py

Algorithm: RandomForestRegressor (scikit-learn)

Prediction Horizon: 7 days

Training Data: 60-day historical price window

Key Features:

- Uses time-series forecasting on normalized price data
- Implements sequence generation and supervised training
- Predicts future pricing with confidence scores

Key Methods:

- `prepare_data()`: Applies MinMaxScaler normalization
- `create_sequences()`: Converts price data into training-ready sequences
- `train_model_with_historical_data()`: Fits the Random Forest model
- `predict_future_prices()`: Outputs predicted price for the next 7 days

Smart Recommender System

Component: SmartRecommender class

Functionality: Provides AI-driven pricing suggestions based on trends and competitor data

Core Features:

- Dynamic price adjustments (increase, decrease, maintain)
- Trend and volatility analysis
- Market confidence scoring
- Competitor differential mapping

Metrics Used:

- Average market price
- Price volatility index
- Mean reversion
- Confidence levels for pricing decisions

Historical Data Generator

Script: initialize_price_history.py

Purpose: Generates realistic price data using statistical simulations

Data Logic:

- Random walk with $\pm 15\%$ price variation
- Controlled daily volatility (2%)
- Mean reversion logic for stability
- Simulates competitor prices for six stores

AI API Integration

Endpoint 1: /api/price_comparisons

- Returns product prices (current, historical, predicted)
- Includes AI-based recommendation in JSON format

Endpoint 2: /api/train_model

- Triggers model retraining
- Refreshes prediction logic using the latest price history

Data Flow:

1. MongoDB fetches historical price data
2. AI model processes and predicts
3. Recommender analyzes trends
4. Final result returned via API

Evaluation and Optimization

Model Performance Metrics:

- MAE (Mean Absolute Error)
- RMSE (Root Mean Square Error)
- Confidence score tracking
- Retraining thresholds for model accuracy

System Performance Metrics:

- API response time
- Prediction execution time
- Background batch retraining
- Data freshness (daily)

8. BACKEND

8.1. System Architecture Overview

Core Components

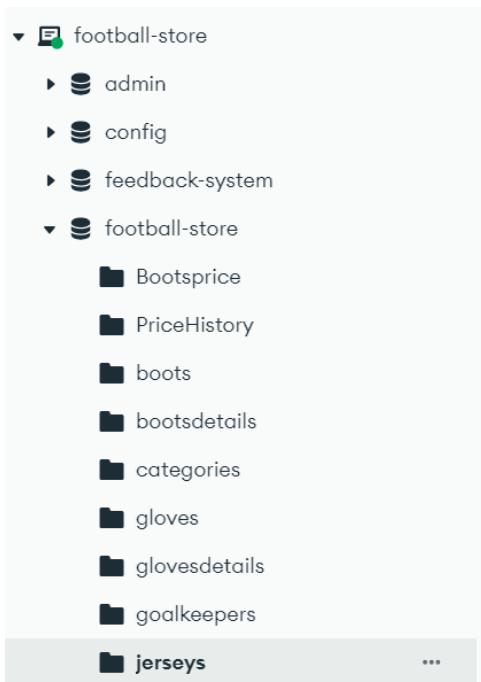
- **Flask API Server:** Main backend server handling HTTP requests
- **MongoDB Database:** Primary data storage system
- **Price Prediction API:** Separate service for AI-powered price predictions
- **CORS Configuration:** Cross-origin resource sharing setup for multiple frontend ports

Port Configuration

- Main API: localhost:5000
- Price API: localhost:5000 (separate routes)
- Frontend Support: localhost:3000, localhost:3001, localhost:5000

8.2.Database Structure

MongoDB Collections



8.3.API Endpoints

Main API Routes

Product Management

- Product listing
- Product details
- Product search
- Filter operations

Price Comparison

- Real-time price checks
- Historical price data
- Price predictions
- Market analysis

Price API Routes

1. Price Analysis

- Price predictions
- Market trends
- Price comparisons
- Historical data

2. AI Operations

- Model predictions
- Data training
- Model updates
- Performance metrics

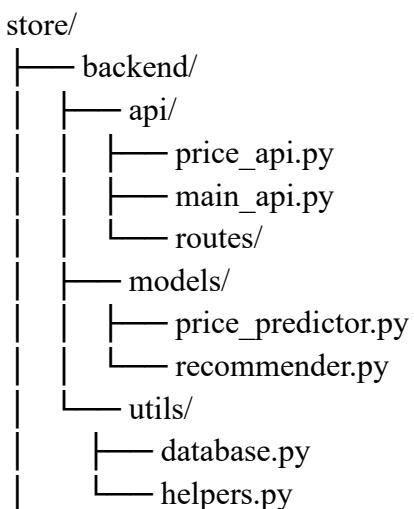
8.4. Error Handling

Error Management

Error Types

- Database errors
- API errors
- Validation errors
- Authentication errors

8.5. Flask Application Structure



8.6.Core Python Libraries

Web Framework

Flask

- Lightweight and flexible
- RESTful API support
- Easy routing system
- Built-in development server
- Extensive extension support

Database

PyMongo

- MongoDB driver for Python
- Connection pooling
- Query optimization
- Data validation
- CRUD operations

CORS Handling

Flask-CORS

- Cross-origin resource sharing
- Multiple origin support
- Configurable headers
- Security policies
- Request handling

9. CLOUD IMPLEMENTATION

This section outlines the cloud-based technologies used in the project for authentication and deployment. Leveraging cloud services significantly improves scalability, security, and ease of maintenance.

9.1 Firebase

Firebase, a platform developed by Google, was used primarily for **authentication** in this project. It provides a secure and efficient way to manage user login and registration.



Features Used:

- **Email and Password Authentication:** Users can register and log in using their email credentials.
- **Authentication State Management:** Firebase handles session persistence, allowing seamless user experience across sessions.
- **Security:** Firebase Authentication provides secure sign-in methods and safeguards user data.

Firebase was chosen for its ease of integration with front-end technologies, real-time features, and extensive documentation.

Screenshots:

A screenshot of the Firebase Authentication console. The left sidebar shows navigation options like Project Overview, Authentication (selected), Data Connect, Firestore Database, Storage, and Hosting. Under Authentication, it lists Sign-in method, Templates, Usage, Settings, and Extensions. The main area is titled 'Authentication' and shows a table of users. A search bar at the top of the table allows filtering by email address, phone number, or user ID. The columns are: Email, Providers, Created By, Signed In, and User ID. The table lists several user entries, each with a profile picture, provider type (e.g., Google, Facebook), creation date, last sign-in date, and user ID. At the bottom of the table, there are buttons for 'Reset page', '50', '1 - 5 of 1', and arrows for navigation.

The screenshot shows the 'Authentication' section of the Foothy Insights dashboard. The 'Sign-in method' tab is selected. Under 'Sign-in providers', there are two entries: 'Email/Password' and 'Google', both marked as 'Enabled'. A blue button labeled 'Add new provider' is visible at the top right of the provider list.

Reset Password Functionality

- Password Recovery via Email:** Users who forget their password can initiate a password reset by entering their registered email address.
- Firebase Email Dispatch:** Firebase automatically sends a secure password reset email containing a link.
- Link Expiration & Security:** The reset link is time-limited (typically expires in 1 hour) and ensures the account's integrity.
- User Guidance:** Clear on-screen messages guide users through the reset process and inform them of success or failure.
- No Login Required:** This functionality can be accessed even if the user isn't logged in, making recovery simple and user-friendly.

The left screenshot shows a confirmation message: 'Password Reset Successful!' with a green checkmark icon. It states: 'Your password has been reset successfully. You can now close this window and login with your new password.'

The right screenshot shows an email from 'Foothy Insights' with the subject 'Reset your password'. The email body includes a welcome message, a link to reset the password (<http://www.foothy.com/3071/reset-password?token=7a2dC9H90v0BxgYVfmJuWvSBV/CakdKmdeMsfPweswEhDcOvCryjPZqJtLJPCQrcdBRUuWVDYjeuNaGzCwCIAAAZDQ2hA0otBdLw>), instructions to click the link to reset the password, and a note that the link will expire in 1 hour for security reasons.

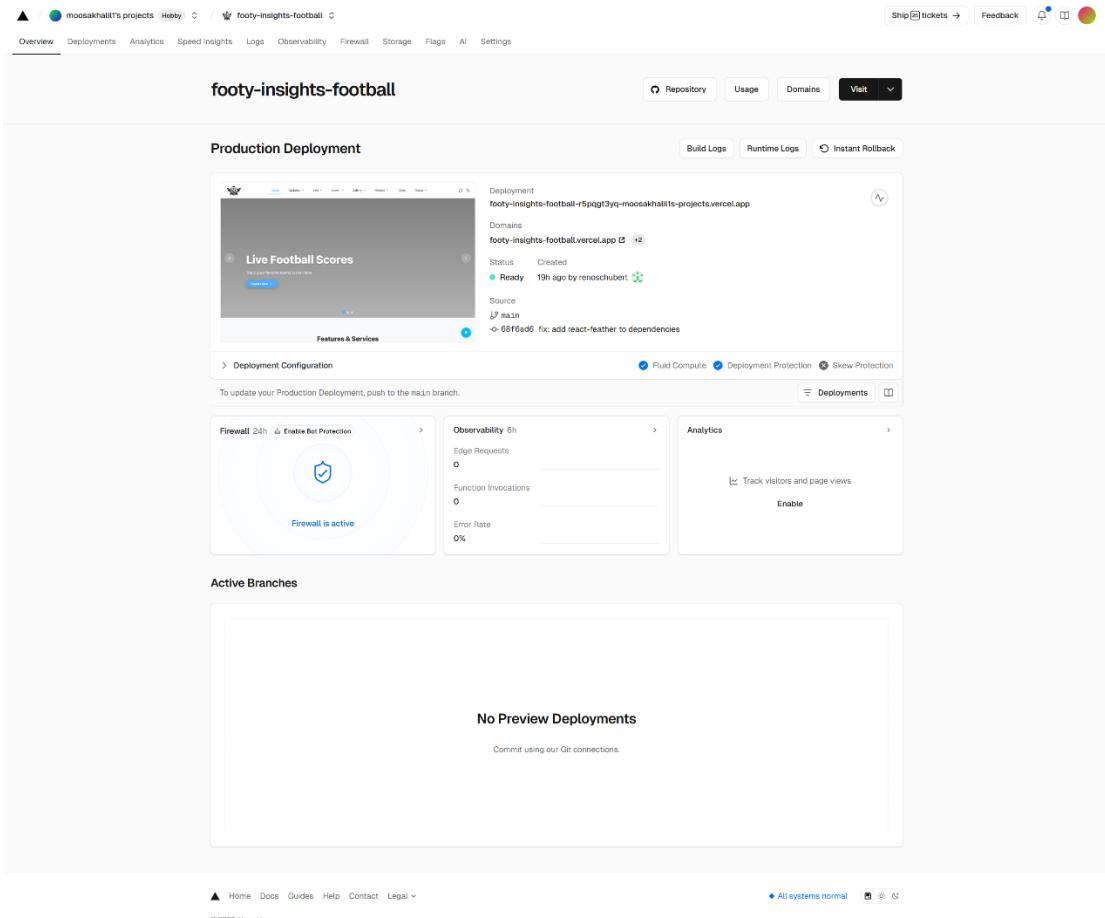
9.2 Deployment

The project was deployed on **Vercel**, a cloud platform optimized for frontend frameworks and static sites.

Key Highlights:

- **Continuous Deployment:** Vercel automatically builds and deploys the app from the GitHub repository after every push.
- **Performance Optimization:** Vercel offers fast edge networks and optimizes the frontend delivery.
- **Custom Domain Support:** The project was deployed on a custom subdomain for easy access and professionalism.

Screenshots:



The screenshot shows the Vercel project dashboard for 'semester-project-store'. At the top, there are navigation links for Overview, Deployments, Analytics, Speed Insights, Logs, Observability, Firewall, Storage, Flags, AI, and Settings. On the right, there are links for Ship Tickets, Feedback, and a user profile icon.

The main section displays the 'Production Deployment' for the 'semester-project-store' project. It includes a preview of the app's homepage featuring a yellow and black football boot, deployment details (Status: Ready, Created 1d ago by renoschubert), and deployment configuration options (Fluid Compute, Deployment Protection, Skew Protection).

Below the deployment section, there are three cards: Firewall (24h, Enabled), Observability (6h, Edge Requests 0, Function Invocations 0, Error Rate 0%), and Analytics (Track visitors and page views, Enable). A link to 'Deployments' is also present.

The 'Active Branches' section shows a message: 'No Preview Deployments' and 'Commit using our Git connections.' Below this, there is footer information including links to Home, Docs, Guides, Help, Contact, Legal, and a copyright notice for © 2025, Vercel Inc. There is also a status bar indicating 'All systems normal'.

Deployment Links:

- 1. Football App**
<https://footy-insights-football.vercel.app/>
- 2. Football Store**
<https://semester-project-store.vercel.app/>

10. GITHUB REPOSITORIES

The project consists of two separate GitHub repositories used for organizing the application's source code and managing development.

10.1 Main Repository

This repository contains the codebase for the main user-facing application.

Repository Name: Footy-Insights-Football

GitHub URL: <https://github.com/moosakhil/Footy-Insights-Football>

The screenshot shows the GitHub repository page for 'Footy-Insights-Football'. The repository is public and has 1 branch and 0 tags. The main branch is 'main'. The commit history shows several initial commits by 'Moosa Khalil' and 'tayyabaamir'. The commits include migrating the project to GitHub and adding react-feather dependencies. The repository has 5 commits in total. The 'About' section indicates no description, website, or topics provided. The 'Activity' section shows 0 stars, 0 watching, and 0 forks. There are no releases published.

10.2 Store Repository

This repository contains the code for the admin/store panel.

Repository Name: Foothy Insights Store

GitHub: <https://github.com/tayyabaamir/AI-pricing-foothy-insights-store>

The screenshot shows the GitHub repository page for 'AI-pricing-foothy-insights-store'. The repository is public and has 1 branch and 0 tags. The master branch has 1 commit by 'tayyabaamir'. The commit details the initial commit of the 'FootyInsightsStore' project. The repository has 1 commit in total. The 'About' section indicates no description, website, or topics provided. The 'Activity' section shows 0 stars, 0 watching, and 0 forks. There are no releases published. The 'Languages' section shows a breakdown: JavaScript (64.4%), CSS (28.6%), Python (5.6%), and HTML (0.4%). Suggested workflows are based on your tech stack.

Both repositories were actively maintained and served as the source for deployment on Vercel.

11. DISTRIBUTION OF DUTIES

This project was a collaborative effort carried out by both team members — Muhammad Moosa Khalil and Tayyab Aamir Ali. From initial wireframing and prototyping to the final deployment, each phase was completed through shared ideas, teamwork, and consistent collaboration.

The project began in mid-March and concluded by end of May, providing both members with valuable hands-on experience and the opportunity to learn new tools and concepts through teamwork.

While both contributors worked collectively across most areas, certain components were divided for better efficiency and responsibility management. These are some of the key sections, developed with a collaborative approach throughout:

Muhammad Moosa Khalil – Contributions

1. UI of the main application
2. Firebase implementation
3. Standings, Results, and Live Score features
4. “Make Your XI” and Quiz features
5. AI-based feature in the store panel
6. Info Section, Gallery, History

Tayyab Aamir Ali – Contributions

1. UI of the store
2. Backend implementation for the store
3. News section integration
4. AI-powered chatbot
5. Fixtures section
6. Cart, Payment form, Idols Section Integration

12. UI SCREENSHOTS

12.1 Main App

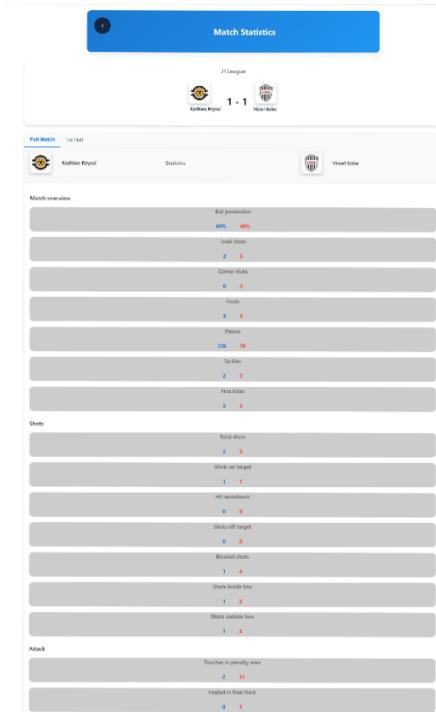
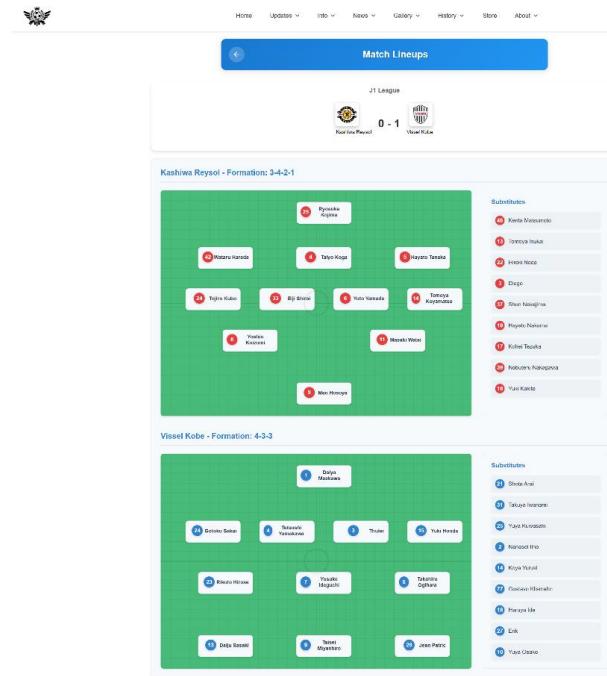
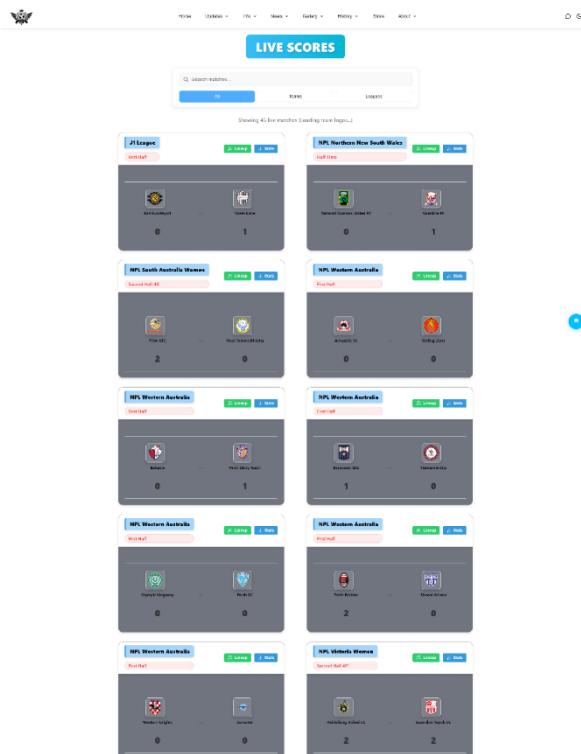
1. Home Page



2. Updates Pages

A screenshot of the app's "Upcoming Fixtures" page. The page features a header with a search bar and filters for "Teams" and "Leagues". Below the header is a grid of fixtures. The first row includes "UEFA Champions League, Knockout Phase" (Sun, Jun 1), "Gaucho, Serie A2" (Sun, Jun 1), and "Evergreen Premier League" (Sun, Jun 1). The second row includes "Liga AUF Uruguay, Intermedio, Serie A" (Sun, Jun 1), "Canadian Premier League" (Sun, Jun 1), and "LigaPro Serie A, Primera Etapa" (Sun, Jun 1). Each fixture card shows the date, league name, and team logos.

A screenshot of the app's "League Standings" page for LaLiga. On the left, there is a sidebar with a "Leagues" section containing a list of various football leagues from around the world. The main area displays a table titled "LaLiga Standings" with 20 rows. The columns represent the rank, team name, and various performance metrics like wins, draws, and goals scored. The top-ranked team is Barcelona.

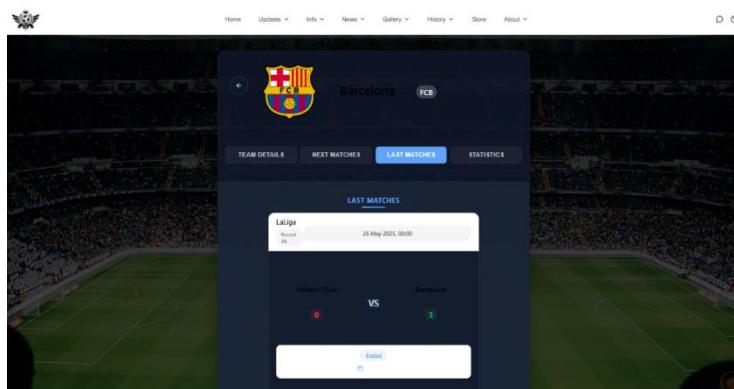
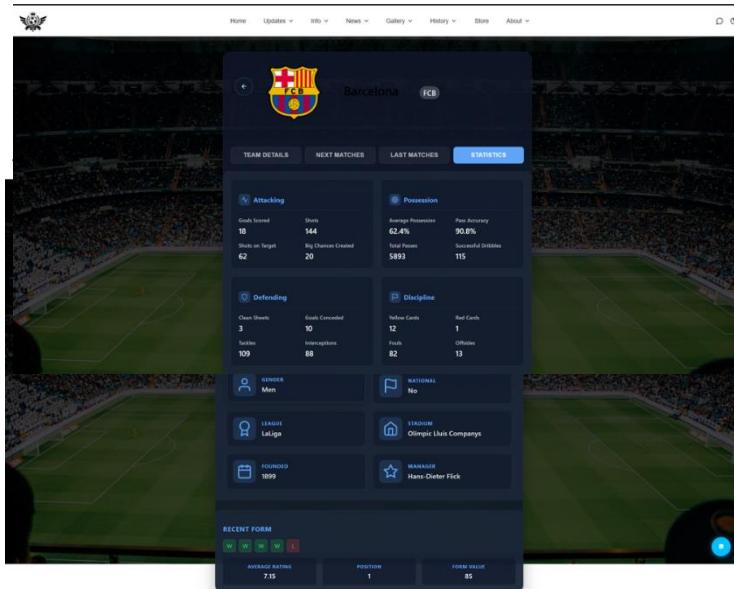
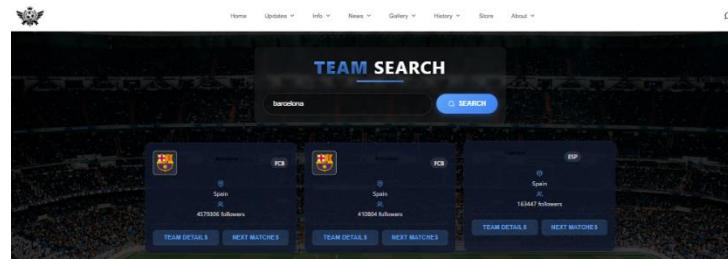


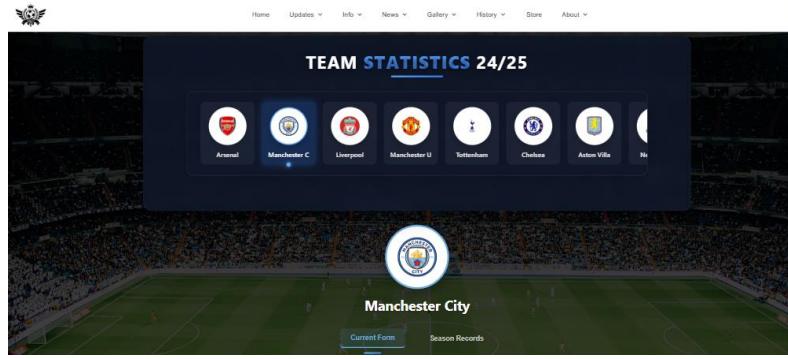
MATCH RESULTS

League	Date	Team 1	Score	Team 2	
Premier Division	Sat, May 31	Shenandoah Rovers	0	Deportes Potosí	3
U20 Sergipeano, Serie A2 - Matamata	Sat, May 31	Denney United	0	Ben Llo de Güitale	1
Liga de Segunda	Sat, May 31	Atlético Goianense U20	1	Provincial Oriente	0
Liga de Ascenso	Sat, May 31	Atletico Mineiro	3	FC Rio Branco II	3
Amazonense, Serie B - Grupo A	Sat, May 31	CDC de Amazônia	1	Penarol AC	1
Faro Islands 1. Deild	Sat, May 31	Faroe Islands 1. Deild	0	FC Faro	0

3. Info Pages

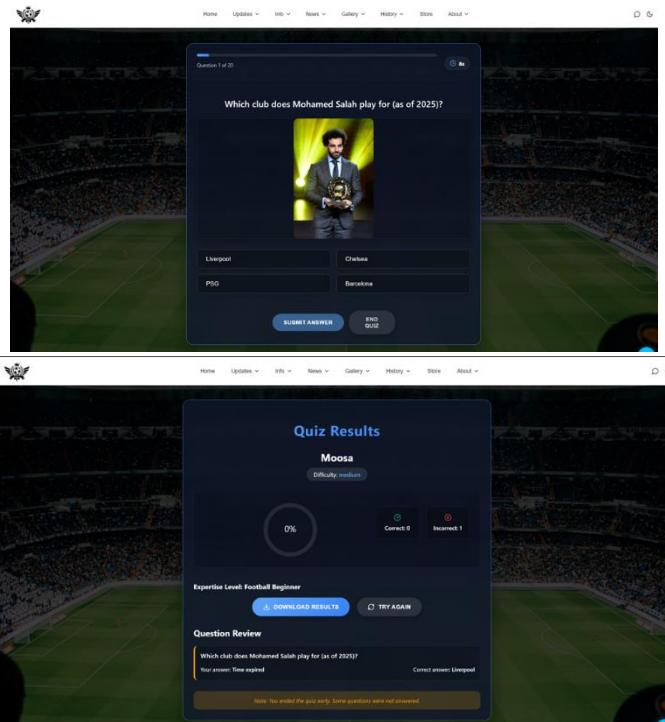




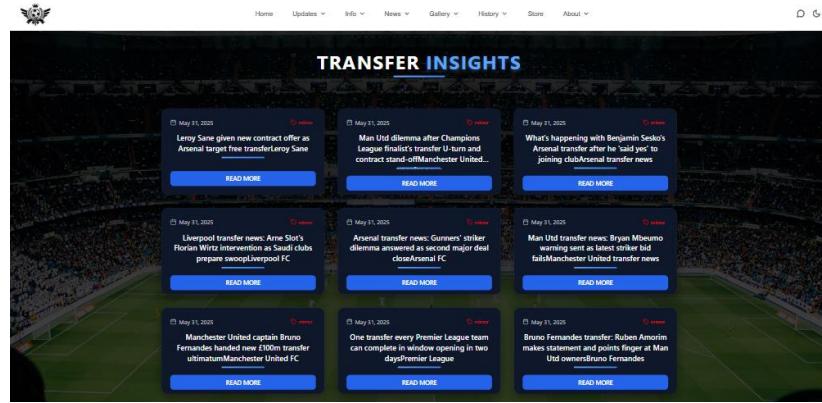


This image displays two side-by-side screenshots from a 'LINEUP BUILDER' feature. The left screenshot shows a green football pitch with player positions marked by small icons. The right screenshot shows a completed 4-3-3 formation with twelve players assigned to specific positions: Goalkeeper (GK), Right Back (RB), Left Back (LB), Right Wingback (RW), Left Wingback (LW), Left Midfielder (LM), Central Midfielder (CM), Central Midfielder (CM), Central Midfielder (CM), Right Midfielder (RM), Left Forward (LF), and Right Forward (RF). A text overlay on the right says 'My XI' and 'Formation: 4-3-3'.

The screenshot shows the 'FOOTBALL QUIZ' section. At the top, there's a navigation bar with links for Home, Updates, Info, News, Gallery, History, Store, and About. Below the navigation is a text box that reads: 'Test your football knowledge with our interactive quiz. Choose your difficulty level and see how well you know the beautiful game!'. There are input fields for 'Your Name' (containing 'Moosa') and 'Select Difficulty' (with options EASY, MEDIUM, and HARD). A large blue 'START QUIZ' button is at the bottom.

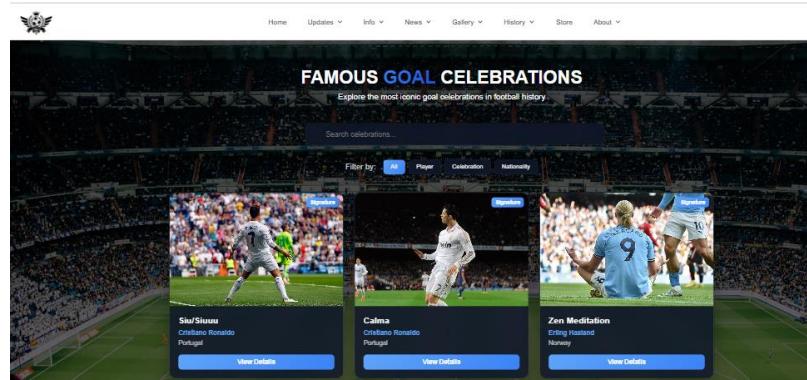


4. News Pages



5. Gallery Pages





6. History Pages

A screenshot of a website showing the "History" section. A dropdown menu is open, listing categories such as "World Cup Winners", "Club WC Winners", "Ballon d'Or Winners", "Golden Ball Winners", "Successful Clubs", "Successful National Teams", and "Top 100 Players". Below this, a table titled "MOS T SUCCESSFUL NATIONAL TEAMS" displays the top 13 most successful national football teams based on titles won and final appearances. The table includes columns for Rank, Nation, World Cup Titles, Runner-up Finishes, and Total Finals.

Rank	Nation	World Cup Titles	Runner-up Finishes	Total Finals
1	Brazil	5	2	7
2	Germany	4	4	8
3	Italy	4	2	6
4	Argentina	3	3	6
5	France	2	2	4
6	Uruguay	2	0	2
7	England	1	0	1
8	Spain	1	0	1
9	Holland	0	3	3
10	Hungary	0	2	2
11	Czechoslovakia	0	2	2
12	Sweden	0	1	1
13	Croatia	0	1	1

12.2. Store

(images of products on store are taken from <https://www.futbolemotion.com/en>)

1. Home

The screenshot shows the homepage of [Futbolemotion.com](https://www.futbolemotion.com/en). At the top, there's a banner for "NEW ADIDAS SUPER & TOP SALA" featuring two blue and white football boots. Below the banner is a navigation bar with links for "Home", "Search", "Basket", "Goalkeeper gloves", "Team apparel", and "Socks & shorts". There are also user icons for "Log in / Register" and "Cart".

Featured Products:

Product	Price
Adidas Predator 19.3 FG Sala	€249.99
adidas Predator Pro Hybrid	€199.99
Real Madrid Home Kit 2023/24	€89.99
Nike Air Team Mercurial Vapor 16 Elite FG	€229.99
Nike Goalkeeper Mercurial Touch Sala	€199.99
PSG Home Kit 2023/24	€94.99
Nike Goalkeeper Phantom Sala	€199.99
Barcelona Home Kit 2023/24	€89.99
Adidas Predator FTR FG Sala	€199.99
Beta Nike Air Zoom Alcantara Superfly 10 ULS	€299.99

Recommended Football Boots:

Product	Price
Beta adidas Predator FTR FG Sala	€199.99
Adidas Predator Elite FG Sala	€199.99
Adidas Predator FTR FG Sala	€199.99
Nike Mercurial Vapor 16 FG	€249.99

Recommended Goalkeeper Gloves:

Product	Price
Manero Hyperact Superlite	€99.99
Puma FUTURE Ultimate	€299.99
Nike Goalkeeper Phantom Sala	€199.99
adidas Predator Pro Hybrid	€199.99

Footer:

- About Us
- Quick Links
- Contact Info
- Newsletter

Futbolemotion.com is an online store for football apparel and accessories. We offer a wide range of products including football boots, jerseys, shorts, socks, and goalkeeping equipment. Our mission is to provide high-quality products at competitive prices, backed by excellent customer service and delivery.

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2. Boots Section

FOOTBALL BOOTS

We believe the game is more than just goals, and we're here to help you play your best. That's why we've created a range of products designed to make sure you're comfortable, confident, and ready to take on the world.

Our goal is to make sure every boot you buy is the best it can be. From materials and design to performance and durability, we've got you covered. All of these elements come together to create a boot that's perfect for you, whether you're a professional player or just starting out.

You can be identified by:

- Instrumental
- Very easy
- Accessories for footballers

Football boots	Sort by:	Price	Stock status
<input type="checkbox"/> Adults	<input type="checkbox"/> Price		Very popular
<input type="checkbox"/> Kids	<input type="checkbox"/> Stock status		Very popular
<input type="checkbox"/> Women	<input type="checkbox"/> Price		Very popular
<input type="checkbox"/> Unisex	<input type="checkbox"/> Stock status		Very popular
<input type="checkbox"/> Indoor	<input type="checkbox"/> Price		Very popular
<input type="checkbox"/> Outdoor	<input type="checkbox"/> Stock status		Very popular
<input type="checkbox"/> Goalkeeper	<input type="checkbox"/> Price		Very popular
<input type="checkbox"/> Cleats	<input type="checkbox"/> Stock status		Very popular

IDOL BOOTS

Lionel Messi
Cristiano Ronaldo
Kylian Mbappé
Erling Haaland

Bota adidas F50 Elite LL FG Son

Football Boots
€249.99

ADD TO CART

Football Boot description

Professional football boots with premium features for excellent performance.

Surfaces: Firm ground
Material: Synthetic
Closure: lace-up

[Back to Boots](#)

Market Comparison

Price Predictors

Your Price: €249.99

Store	Price	Difference	% Diff
Pitch Football Best Price	€210.00	€-39.99	-16.0%
U Sport	€222.95	€-27.04	-12.1%
R-GOAL	€275.00	+€26.00	+9.4%
Futbol Emotion	€279.99	+€30.00	+10.7%
FifaSports	€290.00	+€30.01	+10.7%
ProDirect	€290.00	+€30.01	+10.7%

3. Gloves Section



Search by name, type (boot, jersey, glove)

TAYYAB  

Home Football boots Goalkeeper gloves Team jerseys Idols & Boots

GOALKEEPER GLOVES

To choose the right goalkeeper gloves for you, you'll need to consider the weather conditions you play in, your playing style, and your preferences for cut type and grip. Whether you need finger protection, premium latex for wet conditions, or a specific cut style that fits your hand perfectly, we have options for all needs. Our collection includes gloves from top brands across the market, from professional match gloves to training options for men, women, and youth. All gloves come with different cuts, grip types, and weather suitability. If you're not sure which gloves to buy, we have a recommendation tool to offer what you need based on your playing requirements.



You may be interested in:

[Glove recommender](#) [Gloves on sale](#) [Goalkeeper accessories](#)

Brand

-  Adidas
-  Nike
-  Puma

Price

- Under €50
- €50 - €100
- €100 - €150
- Over €150

Sort by: Recommended  Total articles: 16

 adidas Predator Pro Hybrid €119.99	 Nike Goalkeeper Mercurial Tou... €129.99	 adidas Predator Pro Fingersave €99.99
 Nike Goalkeeper Phantom Elite €109.99	 Puma FUTURE Ultimate €79.99	 Nike Goalkeeper Match €39.99
 adidas Predator Training €29.99	 Puma ULTRA Grip 1 RC €89.99	 Nike Goalkeeper Vapor Grip €64.99

[Previous](#) Page 1 of 2 [Next](#)



Search by name, type (boot, jersey, glove)

TAYYAB  

Home Football boots Goalkeeper gloves Team jerseys Idols & Boots



adidas Predator Pro Hybrid
€119.99 [ADD TO CART](#)

Technical description of the goalkeeper gloves

Professional goalkeeper gloves with premium features for excellent performance.

[Back to Gloves](#)

4.Jerseys Section

The screenshot shows a website interface for a jerseys section. At the top, there is a navigation bar with a logo, a search bar, and a login/signup button. Below the navigation is a header titled "TEAM JERSEYS". A sub-header below it reads: "Bring your team colors with our full range of selection of clothing, apparel, and accessories around the world. Our website features the latest home, away, and third kits from La Liga, Premier League, Serie A, and more! Each jersey is crafted with premium materials for comfort and durability. Whether you're a fan or a player, we've got you covered for training or competing from home. Browse by team, league, or style to find the perfect jersey to represent your favorite club."

Below this, there are three buttons: "You may be interested in", "Personalized", "Jerseys on sale", and "Featured Team Jerseys". To the right is a grid of four jerseys.

The main content area has a search bar with dropdowns for "Team", "League", "Price", and "Type of Jersey", followed by a "Look for Q" input field.

On the left, there are several filter sections: "Teams" (La Liga EA Sports), "Leagues" (La Liga, Primera División, Segunda División, Segunda A), "Jersey Type" (Home, Away, Third), and "Sort by" (Newest first, Oldest first, Total price).

The main grid displays 12 jerseys in two rows of six. The first row includes Real Madrid Home Kit 2024/25, Real Madrid Away Kit 2024/25, and FC Barcelona Home Kit 2024/25. The second row includes FC Barcelona Away Kit 2024/25, Atlético de Madrid Home Kit 2024/25, Atlético de Madrid Away Kit 2024/25, Atlético Club de Bilbao Home Kit 2024/25, Atlético Club de Bilbao Away Kit 2024/25, and Real Betis Home Kit 2024/25.

At the bottom of the grid, there is a page navigation with "Page 1 of 5" and a "Next" button.

Below the grid, there are three sections: "FEATURED TEAMS" (La Liga EA Sports) showing logos for Real Madrid, FC Barcelona, Atlético de Madrid, Atlético Club de Bilbao, Real Betis, and ESD Mallorca; "Top International Teams" showing logos for Inter Milan, AC Milan, Juventus, Chelsea FC, Manchester City FC, Liverpool FC, and Manchester United; and "2nd La Liga Hierarchy" showing logos for Real Zaragoza, SD Eibar, Sporting de Gijón, Málaga CF, and Getafe CF.

5.Idols & Boots Section

Search term (optional, max. 100 characters) Search

Home Football Boots Goalkeeper gloves Team jerseys Skin & Socks

For you View all results

FOOTBALL IDOLS AND THEIR BOOTS

 Lionel Messi Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Cristiano Ronaldo Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Kylian Mbappé Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Firmino Bota Nike Mercurial Legend 11 Elite AG-Pro €249.99
 Lamine Yamal Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Bellingham Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Vitinha Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Kevin De Bruyne Bota Nike Mercurial Legend 11 Elite AG-Pro €249.99
 Paulo Extremeria Phoenix Title FT 59 €299.99	 Muhammad Salim Extremeria Phoenix Title FT 59 €299.99	 Neymar Jr Bota Nike Mercurial Legend 11 Elite AG-Pro €299.99	 Virgil van Dijk Bota Nike Mercurial Legend 11 Elite AG-Pro €299.99
 Luka Modrić Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €249.99	 Julian Alvarez Bota Nike Mercurial Vapor 16 Elite AG-Pro €299.99	 Dani Olmo Bota Nike Mercurial Vapor 16 Elite AG-Pro €299.99	 Lautaro Martínez Bota Nike Mercurial Vapor 16 Elite AG-Pro €299.99
 Nico Williams Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99	 Harry Kane Bota Nike Mercurial Vapor 16 Elite AG-Pro €299.99	 Robert Lewandowski Bota Nike Mercurial Vapor 16 Elite AG-Pro €299.99	 Rodri Bota Nike Mercurial Legend 11 Elite AG-Pro €299.99
 Rodrygo Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro €299.99			



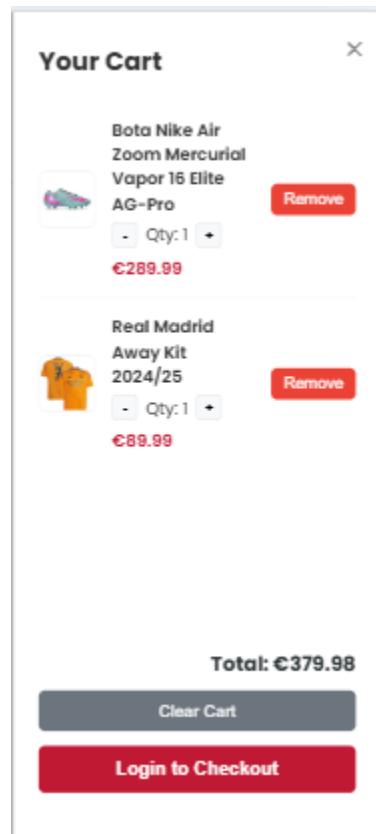
PRO CHOICE NIKE

Bota Nike Air Zoom Mercurial Vapor 16 Elite AG-Pro

€289.99

[View Details](#)

6.Cart



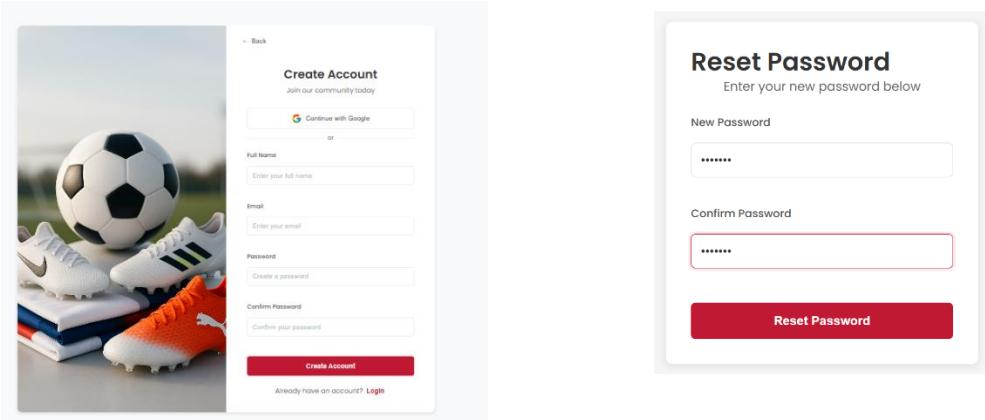
7.Authentication Pages

The screenshot shows a login page with a background image of soccer gear (shoes, ball, jersey). The page includes:

- Search bar: Search by name, type (boot, shirt, glove...)
- User icon: Login / Sign Up
- Back link: ← Back
- Welcome Back: Login to your account
- Login methods: Continue with Google or Email/Password
- Email input field: Enter your email
- Password input field: Enter your password
- Login button
- Forgot Password? link
- Don't have an account? Sign Up link

The screenshot shows a password reset page with a background image of soccer gear. The page includes:

- Welcome Back: Log in to your account
- Reset Password: Enter your email address
- Email input field: Enter your email
- Reset Password button
- Forgot your password? Sign In link
- Don't have an account? Sign Up link



The image shows two side-by-side forms on a website.

Create Account

This form allows users to join the community by creating an account. It includes fields for:

- Continue with Google
- Full Name
- Email
- Password
- Confirm Password

At the bottom are "Create Account" and "Already have an account? Login" buttons.

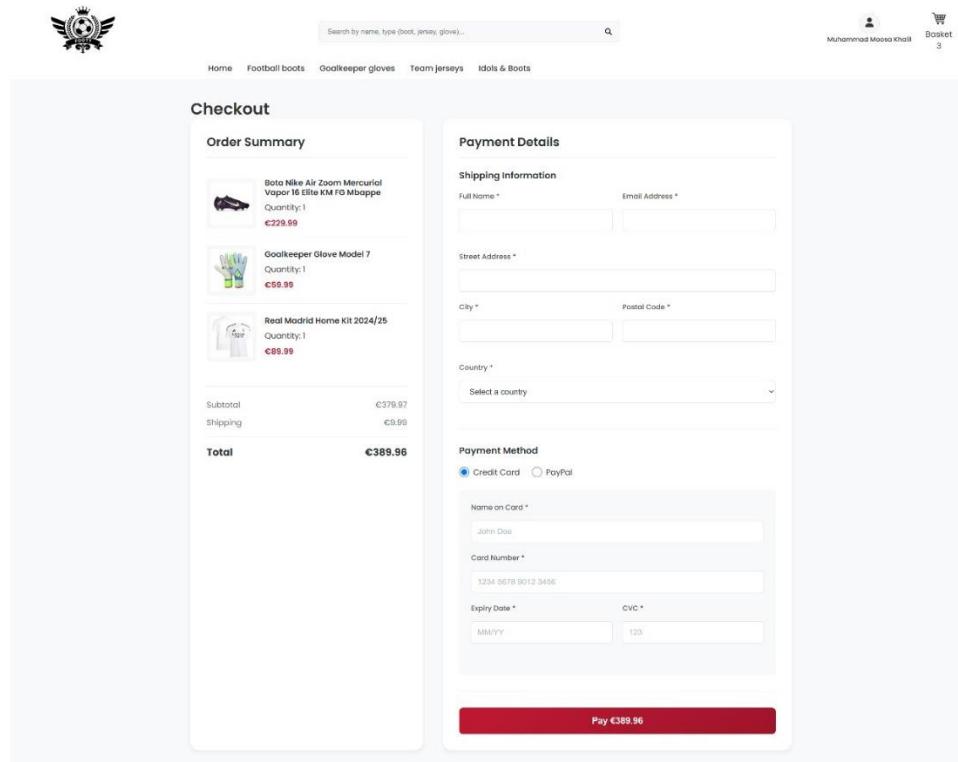
Reset Password

This form lets users enter their new password. It includes fields for:

- New Password
- Confirm Password

At the bottom is a "Reset Password" button.

8.Checkout Page



The image shows a checkout page for a sports equipment store.

Header: Includes a logo, a search bar with placeholder "Search by name, type (boot, jersey, glove)...", and user information (Muhammad Moosa Khalil, Basket 3).

Checkout: The main area is titled "Checkout".

Order Summary: Shows three items in the cart:

- Bota Nike Air Zoom Mercurial Vapor 16 Elite KM FG Mbappe - Quantity: 1, Price: €229.99
- Goalkeeper Glove Model 7 - Quantity: 1, Price: €68.99
- Real Madrid Home Kit 2024/25 - Quantity: 1, Price: €89.99

Payment Details: This section contains shipping and payment information.

Shipping Information: Fields for Full Name*, Email Address*, Street Address*, City*, Postal Code*, and Country*.

Payment Method: Options for Credit Card (selected) or PayPal.

Card Details: Fields for Name on Card*, Card Number*, Expiry Date*, and CVC*.

Buttons: "Pay €389.96" at the bottom right.

13. FUTURE ENHANCEMENTS

13.1 Future Implementations

To continuously evolve the football web application and enhance user experience, several potential future enhancements have been identified. These improvements aim to broaden the app's capabilities, attract more users, and ensure long-term sustainability.

1. Integration of AI-based Match Predictions

Implement advanced machine learning models that predict match outcomes, player performance, and injury risks based on historical data and live statistics.

2. Personalized User Dashboard

Develop personalized dashboards using user behavior and preferences, showing tailored match recommendations, favorite teams' updates, and news feeds.

3. Real-Time Chat & Community Forums

Introduce real-time chat features for users to interact during matches and forums where football fans can discuss predictions, results, and news.

4. Push Notifications & Alerts

Enable browser or in-app push notifications for live score updates, match start reminders, and team news to improve user engagement.

5. Multi-Language Support

Expand accessibility by supporting multiple languages, allowing users from different regions to use the app in their preferred language.

6. Mobile Application Version

Develop a cross-platform mobile app version using React Native or Flutter to provide a seamless experience on iOS and Android devices.

7. Admin Analytics Dashboard

Enhance the admin panel with advanced analytics (e.g., user behavior, traffic stats, team popularity) displayed using data visualizations and reports.

8. Ticket Booking and Merchandise Store

Integrate third-party APIs for live ticket booking and develop an in-app merchandise store to purchase football gear, increasing monetization opportunities.

9. Blockchain-Based Fan Tokens or NFTs

Explore implementing blockchain to offer digital collectibles, NFTs for players, or fan tokens to gamify the experience and attract crypto-savvy users.

10. Accessibility Compliance

Ensure WCAG (Web Content Accessibility Guidelines) compliance to make the app usable for people with disabilities, including keyboard navigation and screen reader support.

THIS CONCLUDES THE REPORT.