Project Report: Sports Buddy

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Overview

Sports Buddy is a web application designed to help users find sports events and activities in their area. The application allows users to browse sports events, view details such as event name, location, and timing, and register for events of interest.

Hosted Url: https://sportsbuddy-ae97a.web.app/

Admin username: admin
password: admin

User username: 1234567890
password: password

System Modules

User Management: Allows users to register, login, and manage their profiles.

Admin Management: Allows admins to manage sports events, including adding, updating, and deleting events.

Event Management: Allows users to view details of sports events and register for them.

Technologies Used

Frontend: HTML, CSS, JavaScript

Backend: Firebase (Authentication, Firestore)

Deployment: Firebase Hosting

Project Difficulties

The project's difficulty level is medium, mainly due to the integration of Firebase services and managing user and event data.

Deployment

The application is deployed using Firebase Hosting. Firebase Hosting provides a fast, secure, and reliable way to host web applications. The deployment process involved configuring Firebase Hosting settings, linking the Firebase project to the hosting site, and deploying the application using the Firebase CLI.

Database

Firestore is used as the database to store user profiles and sports event data.

Firestore rules are implemented to ensure data integrity and security.

Logging

Firebase provides logging functionality, which can be used to monitor application behavior and diagnose issues.

Conclusion

Sports Buddy is a functional web application that helps users find and register for sports events. The application is built using modern web technologies and deployed using Firebase Hosting. The project demonstrates the use of Firebase services for backend functionality and showcases a clean and modular code structure.