

Fantasy IPL Dashboard

A private-league fantasy cricket platform with live auctions and automated scoring

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Executive Summary

A full-stack, real-time Fantasy IPL application built specifically for private leagues. It features a live interactive auction room, custom franchise management, and a robust automated points calculation engine.

The Problem

Families and friend groups need a customized, private platform to conduct real-time IPL player auctions and manage their own fantasy leagues with automated Dream11-style points calculation.

Key Features

- Live auction room with admin-controlled player sales and Rs 100 Cr franchise budget management
- Dream11-style T20 points engine processing runs, wickets, and strike-rate into fantasy scores
- Top Performers tracker (Orange Cap, Purple Cap, Firepower, Control) across the league
- True 11-Man aggregate scoring that algorithmically finds each team's best XI across the season
- Dedicated sync-worker service for scheduled, automated live match syncing via cricket REST APIs
- NextAuth credential-based franchise login with bcrypt password hashing

Technology Stack

Next.js	TypeScript	Prisma	SQLite
NextAuth	Docker	Tailwind CSS	

Architecture

The application uses a Next.js (App Router) and TypeScript frontend with a glassmorphism, dark-mode UI, backed by Prisma ORM over SQLite. A dedicated Dockerized sync-worker service runs on a schedule to pull live match data from a cricket REST API (with a RapidAPI/Cricbuzz fallback) and automate score syncing and points calculation independently of the main app.

Challenges & Engineering Decisions

Challenge Organizing IPL-related information in a way that is easy to explore.	Solution Built an interactive cricket-focused project around IPL data and insights.
Challenge Presenting teams, matches, and statistics without cluttering the interface.	Solution Converted sports information into a clean UX using deliberate information hierarchy.
Challenge Designing a dashboard with clear visual hierarchy across many data types.	Solution Applied rigorous UI testing to validate data display, navigation, and responsiveness.
Challenge Managing edge cases such as missing, inconsistent, or malformed match data.	Solution Handled edge cases explicitly so the dashboard stays trustworthy under real API data.

Takeaway

IPL transforms complex sports data into a clean, interactive experience, showcasing strong data presentation, dashboard thinking, UI testing, and clean information organization.

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