

Redis Addition:

I will use Redis to cache the players that have been searched often. This will reduce the number of queries made to the Mongo server and improve speed.

Business Requirements:

Nouns Verbs

Problem:

The current lack of a centralized system for managing sports draft information hinders efficient scouting, player analysis, and drafting processes. The absence of a comprehensive database results in data redundancy, inconsistency, and makes it challenging to extract meaningful insights for decision-making during the drafting phase.

Solution:

This project aims to streamline the scouting and drafting process by providing teams with a comprehensive database and easy to use user interface. It allows users to view all eligible players and the stats on these players. They can also view individual schools, and filter the players by division and conference. Users are also able to create scouting reports on each player. After scouting the players, the user is able to make a mock draft.

Nouns:

- Centralized System
- Insights
- Player
- Stat
- School
- Division
- Conference
- Scouting Report
- Mock Draft

Verbs:

- Manage
- Scout
- Decision-making
- Streamline
- View
- Filter
- Create
- Make

Rules:

- Every school can contain 0 or many players
- Every player belongs to one school
- Every player can have 0 or many Stats
- Every stat belongs to one player
- Every player can have 0 or many Scouting Reports
- Every scouting report belongs to one player
- Every Draft Pick contains 1 player
- A player can belong to multiple, or 0 draft picks
- Each draft pick is in 1 mock draft
- Each mock draft contains 0 or many draft picks