

Internal Documentation:

1. Front End

- Languages: React, JavaScript
- For the front-end, we leveraged the myNBAAPI by making API calls to fetch data. We utilized React, a popular JavaScript library, to build the user interface and handle user interactions seamlessly. By allowing users to provide input, we created an engaging and personalized experience, enabling them to explore and interact with the NBA data in a dynamic and intuitive manner.
- GitHub: <https://github.com/mkeloo/ProwlingPooles>

2. Back End

- Database: mySql
- On the back-end, we implemented robust user authentication mechanisms to ensure secure access to our application. Additionally, we incorporated a feature that allows users to store and persist their preferred settings and configurations. We utilized a comprehensive database table to store and manage the user-selected options across all five main features, enabling a personalized experience that caters to individual preferences.
- GitHub: <https://github.com/mkeloo/prowling-pooles-backend>

External Documentation:

1. Registration and Login

Our Website starts off my needing registration and login. The registration requires username, email, and a password. Then you proceed to the login page with the email you registered with and the password. Once you have logged in the correct password, you are taken to the homepage. The homepage has access to the 5 Features we provide as well as any saved Data on your account.

Register

Username


Email

Password

[Register](#)

[Already have an account? Log in here](#)

Login

 Prowling Pooles

Email


Password

[Login](#)


[Need to create an account? Create Account](#)

Welcome to your Stats Dash, alanwang611!

Saved Player Stats



D'Angelo Russell
Los Angeles Lakers



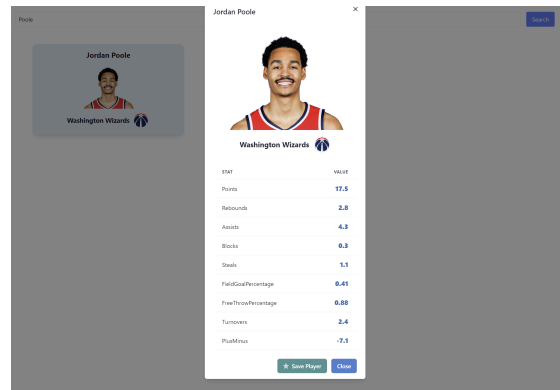
Dame, Giannis Out for Game 5
bleacher_report

[Logout](#)

2. Feature 1 - Present Season Player Statistics

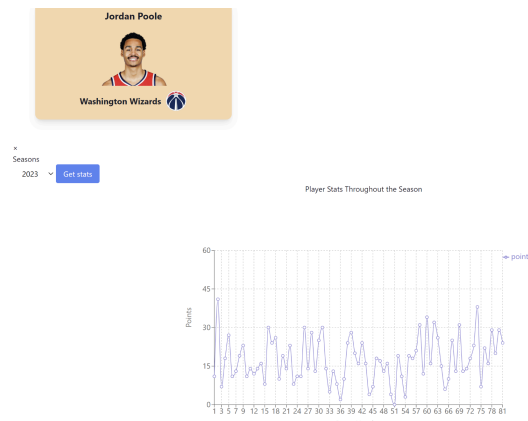
Prowling Pooles Documentation

The Present Season Player Statistics Feature allows for a quick way to identify player stats. You can analyze their Points, Rebounds, Assists, FG%, FT%, Turnovers, Steals, and Blocks. This feature also allows you to store their data on your homepage, allowing for even quicker access to the stats.



3. Feature 2 - Player Performance Chart

The Player Performance Chart Feature is a way to visually represent the player's Stats through trends and graphs. The Chart shows a line graph on the selected season of the player. You can quickly see how the player does over the season.



4. Feature 3 - Trade Analyzer

The Trade Analyzer Feature analyzes two teams of players (up to five players). It compares the players based on their stats (Points, Rebounds, Assists, FG%, FT%, Turnovers, Steals, and Blocks). When you search for a player and the year you want, you get their stats. With the statistics, you can select where on the table you want them inserted. The inserted data is color-coded for visual purposes, allowing users to quickly see if it is a positive or negative stat and how dramatic it is. When you click the calculate button, it will sum the left and right sides and compare the values, allowing for a quick comparison between the two teams. Once you are done, you can clear the table and insert new players.

LeBron James									James Harden								
Points	Rebounds	Assists	Blocks	Steals	FieldGoal%	FreeThrow%	Turnovers	Total	Points	Rebounds	Assists	Blocks	Steals	FieldGoal%	FreeThrow%	Turnovers	Total
1.41	0.53	1.93	-0.05	0.70	1.54	-0.53	1.47	0.88	0.16	-0.26	2.01	0.32	0.23	-0.76	1.24	0.64	0.45
Click to Add									Click to Add								
Click to Add									Click to Add								
Click to Add									Click to Add								
Click to Add									Click to Add								

The NBA News feature provides

NBA News

NBA News

Source

Select source

Team

Team name

Player

Player name

Limit

5

Fetch News

The Team Performance Analyzer allows a user to

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

free throw percentage per game, turnovers per game, and their respective points, assists, and rebound leader will be displayed along with the team’s logo below. If two teams are chosen, the previously mentioned stats for both teams will be displayed side by side to allow for simple comparison.


Team Performance Analyzer

Team 1


Please Select A Team ▾

Team 2

Please Select A Team ▾



Detroit Pistons



STAT	VALUE
Points	110.3
Rebounds	43.7
Assists	25.6
Blocks	4.8
Steals	6.5
Plus Minus	-8.8
Field Goal %	64.8%
Free Throw %	78.1%
Turnovers	15.4


Team 1 Leaders

Points Leader: Cade Cunningham (22.7 PPG)

Assists Leader: Cade Cunningham (7.5 APG)

Rebounds Leader: Jalen Duren (11.6 RPG)

Philadelphia 76ers



STAT	VALUE
Points	114.0
Rebounds	42.9
Assists	24.9
Blocks	6.0
Steals	8.4
Plus Minus	2.8
Field Goal %	62.8%
Free Throw %	82.0%
Turnovers	12.1

Team 2 Leaders

Points Leader: Joel Embiid (34.7 PPG)

Assists Leader: Tyrese Maxey (6.2 APG)

Rebounds Leader: Joel Embiid (11 RPG)

ERD Diagram:

