NBA DASHBOARD

Final Project Proposal by:

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We will be building a dashboard application that displays all information regarding NBA games, players, statistics.

It can be a useful tool to view interesting details about basketball teams and individual players.

There are a lot of numbers involved in the NBA, a dashboard app can make it easier to understand them.

Features

Our website will allow users to:

- ➔ Look at games schedules, ordered by date.
- ➔ Look at game stats which include points scored by each team and the players on each team
- ➔ Look at individual player stats throughout seasons
- ➔ Look at current and previous seasons' standings

Tech Stack

- ➔ **MAIN STACK**
  - ◆ CSS3
  - ◆ HTML5
  - ◆ JAVASCRIPT
- ➔ **FRAMEWORKS**
  - ◆ REACT FRAMEWORK
- ➔ **CHARTING LIBRARIES**
  - ◆ Chart.js
  - ◆ D3.js

Potential APIs

ball-dont-lie API

- Free
- No registration or API key required
- JSON Format
- Has info on
  - Players
  - Teams
  - Games (Updated every 10 minutes for live games)
  - Stats
  - Season Averages

https://ball-dont-lie.herokuapp.com/#introduction

API-NBA

- Freemium (100 requests a day, then a small price per)
- Registration required to get API access key
- 30 requests per minute
- JSON Format
- Has info on
  - Seasons
  - Leagues
  - Teams
  - Players
  - Games (live score)
  - Game Details
  - Standings
  - Statistics

https://rapidapi.com/api-sports/api/api-nba

Sports Data io

- Free Option
- Registration required to get API access key
- JSON or XML Format
- Has Info on
  - All-Stars
  - Are Games in Progress
  - Current Season
  - Player Details by Active
  - Player Details by Player
  - Players by Team
  - Stadiums
  - Standings
  - Teams (Active)
  - Teams (All)

https://sportsdata.io/developers/api-documentation/nba#/free

Will find out which API will work best for what after registering for them and looking at the data

NBA DASHBOARD

Search:

LIVE Game Scores

Heat - Lakers
98 116

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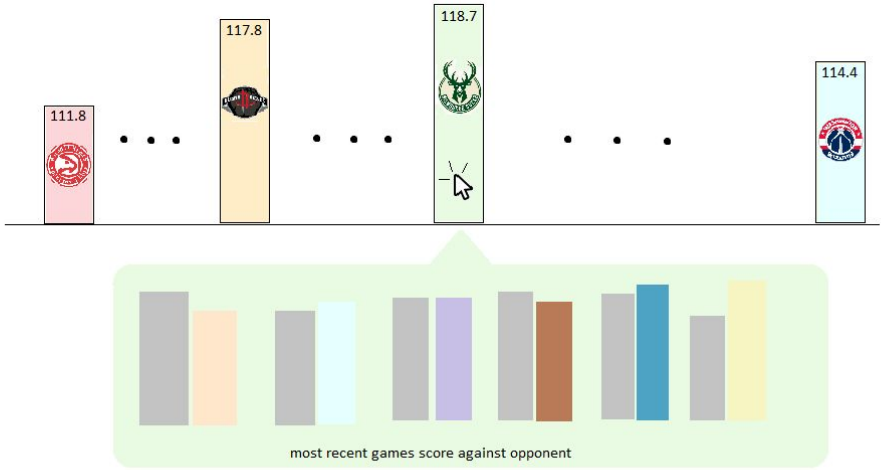
Players | Teams

Points Per Game



- Teams
- Players
- Schedule
- Standings
- News

Rebounds Per Game
Assists Per Game
Blocks Per Game
Three Point Percentage
Free Throw Percentage
...

Standings

East

Rank	Team	W	L	W%	Home	Away	Last 5 Games
1	Milwakee Bucks	56	17	.47	30-5	14-1	W W W L W
2	Toronto Raptors	50	20	.50	12-5	14-5	L W W L W

Game Stats

BLAZERS	110		1	2	3	4		109	LAKERS
		Blazers	25	26	15	16			
		Lakers	27	20	14	14			

Blazers						Lakers					
#	Player	min	rbds	asts	pts	#	Player	min	rbds	asts	pts
00	C.Anthony	30	5	4	21	23	L.James	45	5	10	41
0	D.Lillard	23	8	2	31	3	A.Davis	44	5	12	21

Player Info

CARMELO ANTHONY

BLAZERS

Height: 268 Lbs

Born: 01/01/1980

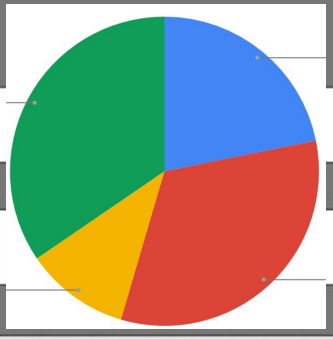
Weight: 6' 8"

College: Syracuse

Player image

#	min	rbds	asts	pts
00	12	21	15	14

Season avg



Schedule

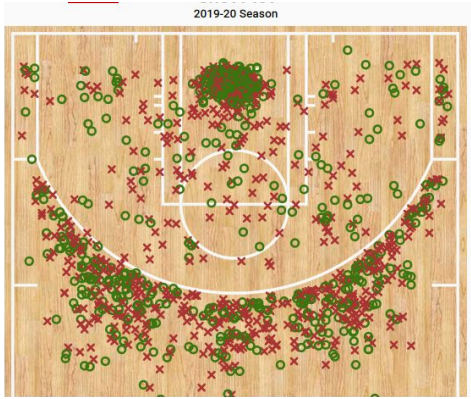
SCHEDULE

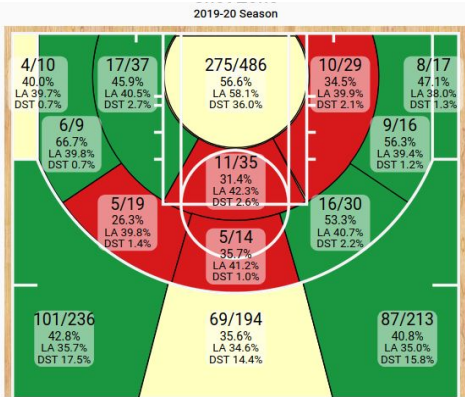
Team	Date	Score	time
Blazers vs Lakers	10/19	109-102	Final
Knicks vs Celtics	10/19	98-101	Q4 5'
Clippers vs Jazz	10/19	87-99	Final

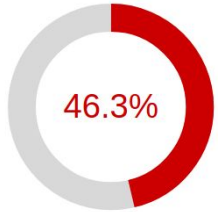
Teams

TEAMS	PLAYERS	SCHEDULE	STANDINGS
	GOLDEN STATE WARRIORS	Last 5 games W W L W L	
	MIAMI HEAT	Last 5 games W W L W L	
	BOSTON CELTICS	Last 5 games L W L W L	

Visual Statistics



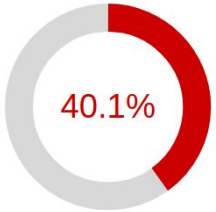




FG%

2019-20 Season

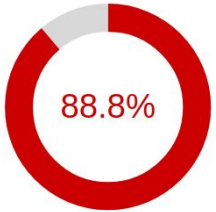
1349	624
ATTEMPTS	MADE



3 PT%

2019-20 Season

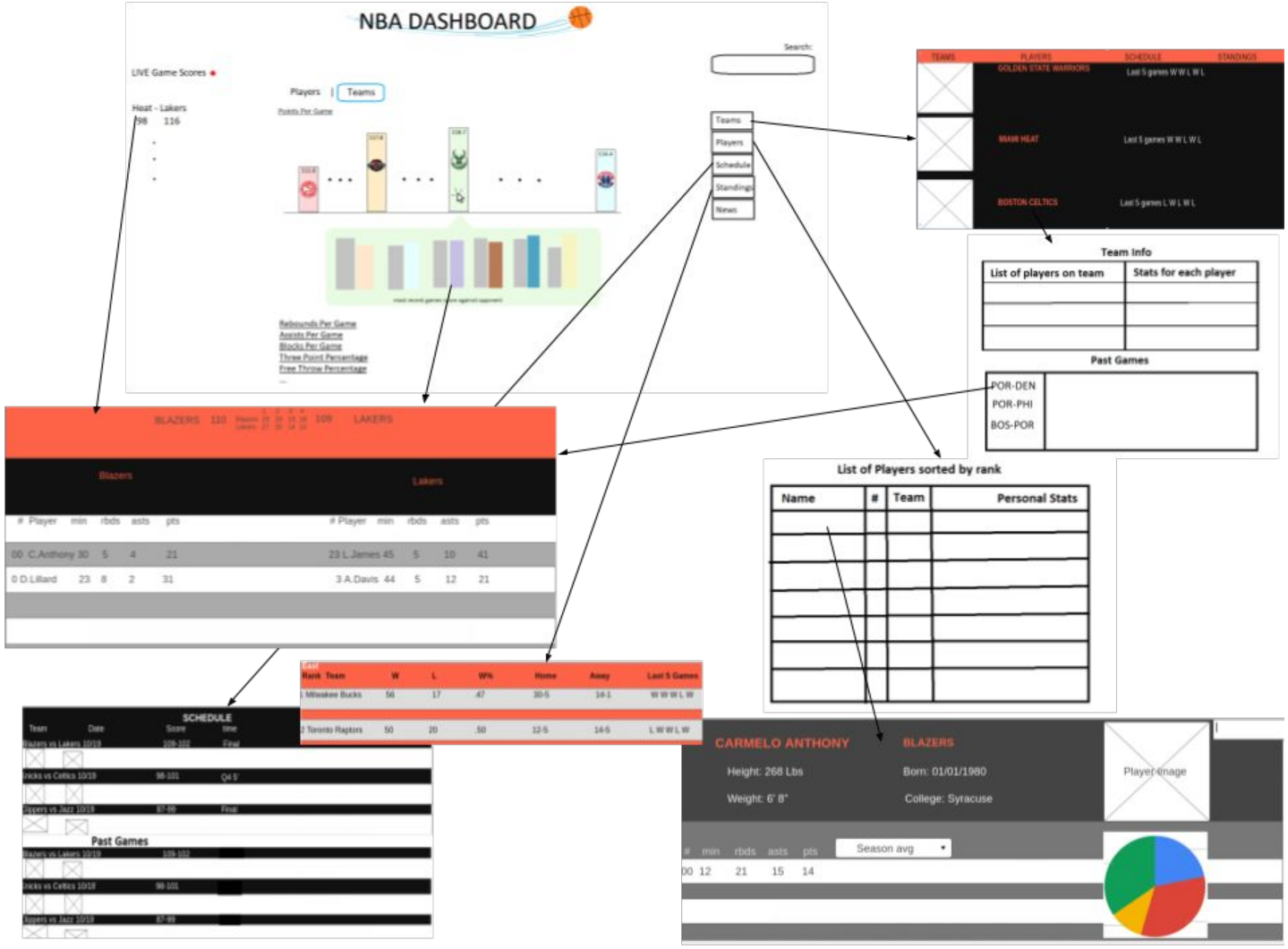
674	270
ATTEMPTS	MADE



FT%

2019-20 Season

518	460
ATTEMPTS	MADE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Players | Teams
Points Per Game
Rebounds Per Game
Assists Per Game
Blocks Per Game
Three Point Percentage
Free Throw Percentage
Teams
Players
Schedule
Standings
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TEAMS
PLAYERS
SCHEDULE
STANDINGS
GOLDEN STATE WARRIORS
Last 5 games W W L W L
MIAMI HEAT
Last 5 games W W L W L
BOSTON CELTICS
Last 5 games L W L W L
Team Info
List of players on team
Stats for each player
Past Games
POR-DEN
POR-PHI
BOS-POR
BLAZERS 110
109 LAKERS
Blazers
Lakers
Player min rbds asts pts
00 C.Anthony 30 5 4 21
0 D.Lillard 23 8 2 31
23 L.James 45 5 10 41
3 A.Davis 44 5 12 21
List of Players sorted by rank
Name
#
Team
Personal Stats
Rank Team W L WPct Home Away Last 5 Games
1 Milwaukee Bucks 56 17 .47 30-5 14-1 W W W L W
2 Toronto Raptors 50 20 .50 12-5 14-5 L W W L W
SCHEDULE
Team Date Score time
Blazers vs Lakers 10/19 109-102 Final
Jacks vs Celtics 10/19 98-101 Q4 5'
Zippers vs Jazz 10/19 87-99 Final
Past Games
Blazers vs Lakers 10/19 109-102
Jacks vs Celtics 10/18 98-101
Zippers vs Jazz 10/19 87-99
CARMELO ANTHONY
BLAZERS
Height: 268 Lbs
Weight: 6' 8"
Born: 01/01/1980
College: Syracuse
Player Image
min rbds asts pts
00 12 21 15 14
Season avg

The End.

Questions?