

HW5 Report

Description

NBADex is a multi-page web app that allows users to upload their favorite NBA players and manage their own NBA team.

Technologies Used

Front end: HTML, CSS, Bootstrap, jQuery, Vue.js
Back end: Firebase

We chose to use the Bootstrap framework because it provided us with several basic styles and components (tables, modals, navigation, etc.) without us having to build them from scratch with CSS which saves us a lot of time. However, we do understand that by importing bootstrap, our app has to load a lot of extra styles that we are not using. We chose to use the front-end framework Vue.js because it is minimal, performant, and has an API that works well with our Firebase backend. We decided to package the js files inside the js directory at the end for a better repos structure.

Directory Architecture

```
public/  
  index.html /*Log In page*/  
  css/  
    /*all CSS files minified/unminified*/  
  js/  
    /*All Javascript files minified/unminified*/  
  views/  
    /*All html files*/  
  img/  
    /*All associated images*/
```

Performance

For performance, we used CDNs wherever possible and also minified both our Javascript and CSS files in the final iteration of NBADex. Our minification of Javascript reduced the size files by a total of 10.4KB.

index.html

Load time : 0.694s

Concerns/Limitations/Future-Todo

Originally, we had wanted an Administrator to only create the players and Users would be only allowed to select them to their team. However, we realized that this would not satisfy the CRUD functionality for the Users. However, as we move away from this class, we would like to add this feature so that a User does not delete all the players in the library that were added.

We have implemented the foundations for an app with many further possibilities. Ideally we would liked to have implemented the gaming system, allowing users to compare their selected team with other user's teams. Similarly, this could be the foundation for a fantasy basketball app or a real-time stats app, constantly updating stats for your collection of players. However, these are large tasks and we realized that this would not be inherent in a CRUD app and therefore we had excluded it for this assignment.

Screen Capture

[Log In](#) [Sign up](#)

Team Name

Email

Password

[Sign Up](#)

[Sign Up with Google+](#)

Invalid password! ×

[Log In](#) [Sign up](#)

E-Mail

Password

[Sign in](#)

← Error Messages associated with Logging In

Team JswagBro

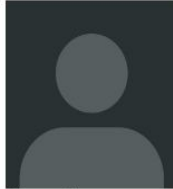
Name that you signed up with

Position



Choose Player

Position



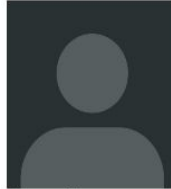
Choose Player

Position



Choose Player

Position



Choose Player

Position



Choose Player

Position



Choose Player

Position



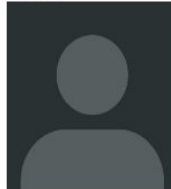
Choose Player

Position



Choose Player

Position



Choose Player

Position



Choose Player

All Players

Add New Player

List of all NBA players available to add to your team

Name	Position	PPG	FG%	APG	RPG	SPG	BPG	PER	Edit Player	Add to Team	Delete
Anthony Davis	PF	27.9	50.0	2.2	11.9	1.2	2.3	27.4	<div>Update</div>	<div>Add</div>	<div></div>
Carmelo Anthony	SF	23.0	45.2	2.9	5.9	0.8	0.5	18.4	<div>Update</div>	<div>Add</div>	<div></div>
Chris Paul	PG	17.4	46.6	9.4	4.4	2.3	.1	25.8	<div>Update</div>	<div>Add</div>	<div></div>
Damian Lillard	PG	26.3	43.9	5.8	4.9	0.7	0.3	22.5	<div>Update</div>	<div>Add</div>	<div></div>
DeAndre Jordan	C	12.3	70.1	1.2	13.5	0.6	1.7	20.9	<div>Update</div>	<div>Add</div>	<div></div>
Draymond Green	SF	10.4	42.3	7.2	8.0	2.2	1.5	17.1	<div>Update</div>	<div>Add</div>	<div></div>
Eric Bledsoe	SF	21.1	43.3	4.8	6.3	2.0	0.5	20.8	<div>Update</div>	<div>Add</div>	<div></div>
Isaiah Thomas	PG	29.2	46.1	6.0	2.6	0.9	0.1	26.8	<div>Update</div>	<div>Add</div>	<div></div>
JJ Redick	SG	14.6	43.7	2.2	1.4	0.7	0.2	13.8	<div>Update</div>	<div>Add</div>	<div></div>
James Harden	SG	29.1	44.3	11.2	7.9	1.5	0.4	27.6	<div>Update</div>	<div>Add</div>	<div></div>
Jeremy Lin	PG	13.8	45.2	4.9	3.1	1.0	0.4	19	<div>Update</div>	<div>Add</div>	<div></div>
Kawhi Leonard	SF	26.3	48.5	3.4	5.9	1.8	0.7	28.1	<div>Update</div>	<div>Add</div>	<div></div>
Kevin Durant	SF	25.3	53.7	4.8	8.2	1.1	1.6	27.6	<div>Update</div>	<div>Add</div>	<div></div>
Klay Thompson	SG	22	46.3	2	3.7	0.8	0.5	16.6	<div>Update</div>	<div>Add</div>	<div></div>
LeBron James	SF	27.2	57	8.9	8.0	1.6	1.2	32	<div>Update</div>	<div>Add</div>	<div></div>
Paul George	SG	22.2	44.6	3.3	6.4	1.5	0.3	18.6	<div>Update</div>	<div>Add</div>	<div></div>
Russell Westbrook	PG	31.8	41.9	10.3	10.6	1.7	0.4	30.3	<div>Update</div>	<div>Add</div>	<div></div>
Stephen Curry	PG	24.9	46.1	6.3	4.5	1.7	0.2	23.4	<div>Update</div>	<div>Add</div>	<div></div>
Swaggy P	SG	13.4	43.4	2.3	1.0	0.3	0.3	14.5	<div>Update</div>	<div>Add</div>	<div></div>
Test	PG	34	44	s	s	d	f		<div>Update</div>	<div>Add</div>	<div></div>

NBADex

My Team

Player Management

View Stats

Log Out

All Players

List of all NBA players

Name

Anthony Davis

Carmelo Anthony

Chris Paul

Damian Lillard

DeAndre Jordan

Draymond Green

Eric Bledsoe

Isaiah Thomas

JJ Redick

James Harden

Jeremy Lin

Kawhi Leonard

Kevin Durant

Klay Thompson

LeBron James

Paul George

Russell Westbrook

Stephen Curry

Swaggy P

Test

Carmelo Anthony

SF

23.0

45.2

2.9

5.9

0.8

0.5

18.4

Choose File

No file chosen

Submit

Cancel

Update

Add

Delete

Update player's stats

James Harden	SG	29.1	44.3	11.2	7.9	1.5	0.4	27.6	Update	Add	Delete
Jeremy Lin	PG	13.8	45.2	4.9	3.1	1.0	0.4	19	Update	Add	Delete
Kawhi Leonard	SF	26.3	48.5	3.4	5.9	1.8	0.7	28.1	Update	Add	Delete
Kevin Durant	SF	25.3	53.7	4.8	8.2	1.1	1.6	27.6	Update	Add	Delete
Klay Thompson	SG	22	46.3	2	3.7	0.8	0.5	16.6	Update	Add	Delete
LeBron James	SF	27.2	57	8.9	8.0	1.6	1.2	32	Update	Add	Delete
Paul George	SG	22.2	44.6	3.3	6.4	1.5	0.3	18.6	Update	Add	Delete
Russell Westbrook	PG	31.8	41.9	10.3	10.6	1.7	0.4	30.3	Update	Add	Delete
Stephen Curry	PG	24.9	46.1	6.3	4.5	1.7	0.2	23.4	Update	Add	Delete
Swaggy P	SG	13.4	43.4	2.3	1.0	0.3	0.3	14.5	Update	Add	Delete
Test	PG	34	44	s	s	d	f		Update	Add	Delete

Created By

Juhyun James Oh

Zhisheng Lie

Kevin Kim

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All Players

player added successfully

x

If successful, show that it is

Add New Player

List of all NBA players available to add to your team

Name	Position	PPG	FG%	APG	RPG	SPG	BPG	PER	Edit Player	Add to Team	Delete
Anthony Davis	PF	27.9	50.0	2.2	11.9	1.2	2.3	27.4	<button>Update</button>	<button>Add</button>	
Carmelo Anthony	SF	23.0	45.2	2.9	5.9	0.8	0.5	18.4	<button>Update</button>	<button>Add</button>	
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Draymond Green	SF	10.4	42.3	7.2	8.0	2.2	1.5	17.1	<button>Update</button>	<button>Add</button>	
Eric Bledsoe	SF	21.1	43.3	4.8	6.3	2.0	0.5	20.8	<button>Update</button>	<button>Add</button>	
Isaiah Thomas	PG	29.2	46.1	6.0	2.6	0.9	0.1	26.8	<button>Update</button>	<button>Add</button>	
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Russell Westbrook	PG	31.8	41.9	10.3	10.6	1.7	0.4	30.3	<button>Update</button>	<button>Add</button>	
Stephen Curry	PG	24.9	46.1	6.3	4.5	1.7	0.2	23.4	<button>Update</button>	<button>Add</button>	
Swaggy P	SG	13.4	43.4	2.3	1.0	0.3	0.3	14.5	<button>Update</button>	<button>Add</button>	
yo bro	PG								<button>Update</button>	<button>Add</button>	

Clicked Add to Team

Team JswagBro

PG



Chris Paul

SF



Kevin Durant

SF



Carmelo Anthony

PG



Damian Lillard

C



DeAndre Jordan

SF



Draymond Green

SF



Eric Bledsoe

PG



Isaiah Thomas

SG



JJ Redick

SG



Klay Thompson

Click Picture to remove Player

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Team JswagBro

PG



Chris Paul

SF



Kevin Durant

SF



Carmelo Anthony

PG



Damian Lillard

C



DeAndre Jordan

SF



Draymond Green

SF



Eric Bledsoe

PG



Isaiah Thomas

SG



JJ Redick

SG



Klay Thompson

Remove from Team?

OK

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Team JswagBro

PG



Chris Paul

SF



Kevin Durant

SF



Carmelo Anthony

PG



Damian Lillard

Position



Choose Player

SF



Draymond Green

SF



Eric Bledsoe

PG



Isaiah Thomas

SG



JJ Redick

SG



Klay Thompson

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Zhisheng Lie
Kevin Kim

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Team JswagBro

Overview of your team's individual player statistics

Name	Position	PPG	FG%	AST	REB	STL	BLK	PER
Chris Paul	PG	17.4	46.6	9.4	4.4	2.3	.1	25.8
Klay Thompson	SG	22	46.3	2	3.7	0.8	0.5	16.6
Kevin Durant	SF	25.3	53.7	4.8	8.2	1.1	1.6	27.6
Carmelo Anthony	SF	23.0	45.2	2.9	5.9	0.8	0.5	18.4
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