

NBADex



Juhyun Oh, Kevin Kim, Zhisheng Liu

Motivation

Provide a platform for end user to create and update the profile of his favorite NBA players, and organize the statistics on a team basis.

Implementations

1. Login Authentication by User/Password and Gmail
2. CRUD on players statistics including asset(image) upload/download
3. Team interface for player management and organization

scenario: login

NBADex

Log in

Sign up

E-Mail

E-Mail

Password

Password

Sign in

scenario: login validation

Invalid email

Log In

Sign up

E-Mail
xxx@xxx

Password
.....

Sign in

Invalid password!

Log In

Sign up

E-Mail
zhi@gmail.com

Password
.....

Sign in

scenario: signup

NBADex

Log In

Sign up

Team Name

Email

Password

Sign Up

Sign Up with Google+

scenario: signup validation

Email already in use ×

[Log In](#)

Team Name

Email

Password

Password too weak! ×

[Log In](#)

Team Name

Email

Password

scenario: auth with google

NBADex

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

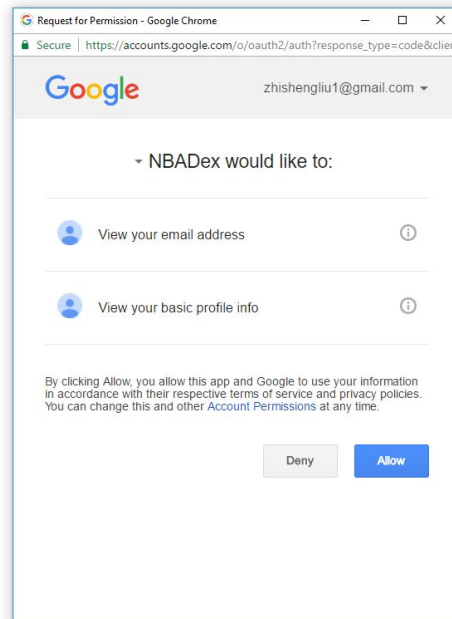
Team Name

Email

Password

[Sign Up](#)

[Sign Up with Google+](#)



scenario: my team

NBADex

My Team

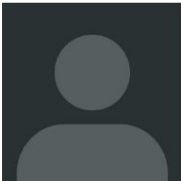
Player Management

View Stats

Log Out


Team Zhisheng Liu

Position




Choose Player

Position



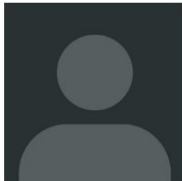
Choose Player

Position



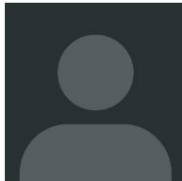
Choose Player

Position




Choose Player

Position




Choose Player

Position




Choose Player

Position



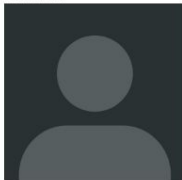
Choose Player

Position




Choose Player

Position



Choose Player

Position



Choose Player

Created By
Juhyun James Oh
Zhisheng Lie
Kevin Kim

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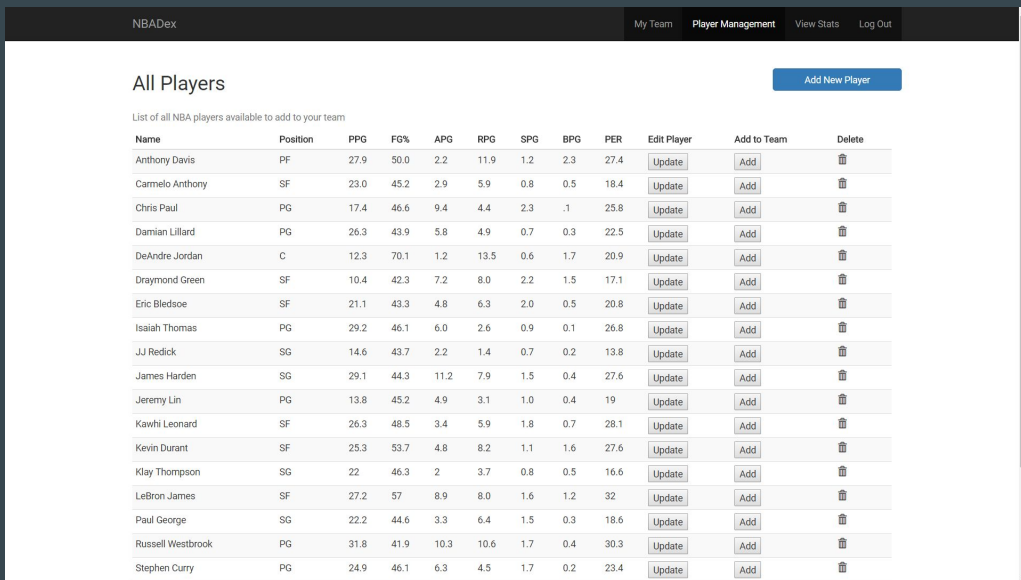
scenario: manage player

this page display our player pools in the database, where CRUD operations are supported by:

Create: the Add New Player button

Update: the Update button

Delete: the trash bin icon



The screenshot shows a web application interface for managing NBA players. At the top, there is a navigation bar with 'NBADex' on the left and 'My Team', 'Player Management' (active), 'View Stats', and 'Log Out' on the right. Below the navigation bar, the main content area is titled 'All Players' and includes an 'Add New Player' button. A subtitle reads 'List of all NBA players available to add to your team'. The main part of the interface is a table with 13 columns: Name, Position, PPG, FG%, APG, RPG, SPG, BPG, PER, Edit Player, Add to Team, and Delete. The table lists 20 players, including 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, and Stephen Curry. Each row has an 'Update' button and a trash bin icon for deletion.

| 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 | Update | Add | |
| Carmelo Anthony | SF | 23.0 | 45.2 | 2.9 | 5.9 | 0.8 | 0.5 | 18.4 | Update | Add | |
| Chris Paul | PG | 17.4 | 46.6 | 9.4 | 4.4 | 2.3 | .1 | 25.8 | Update | Add | |
| Damian Lillard | PG | 26.3 | 43.9 | 5.8 | 4.9 | 0.7 | 0.3 | 22.5 | Update | Add | |
| DeAndre Jordan | C | 12.3 | 70.1 | 1.2 | 13.5 | 0.6 | 1.7 | 20.9 | Update | Add | |
| Draymond Green | SF | 10.4 | 42.3 | 7.2 | 8.0 | 2.2 | 1.5 | 17.1 | Update | Add | |
| Eric Bledsoe | SF | 21.1 | 43.3 | 4.8 | 6.3 | 2.0 | 0.5 | 20.8 | Update | Add | |
| Isaiah Thomas | PG | 29.2 | 46.1 | 6.0 | 2.6 | 0.9 | 0.1 | 26.8 | Update | Add | |
| JJ Redick | SG | 14.6 | 43.7 | 2.2 | 1.4 | 0.7 | 0.2 | 13.8 | Update | Add | |
| James Harden | SG | 29.1 | 44.3 | 11.2 | 7.9 | 1.5 | 0.4 | 27.6 | Update | Add | |
| Jeremy Lin | PG | 13.8 | 45.2 | 4.9 | 3.1 | 1.0 | 0.4 | 19 | Update | Add | |
| Kawhi Leonard | SF | 26.3 | 48.5 | 3.4 | 5.9 | 1.8 | 0.7 | 28.1 | Update | Add | |
| Kevin Durant | SF | 25.3 | 53.7 | 4.8 | 8.2 | 1.1 | 1.6 | 27.6 | Update | Add | |
| Klay Thompson | SG | 22 | 46.3 | 2 | 3.7 | 0.8 | 0.5 | 16.6 | Update | Add | |
| LeBron James | SF | 27.2 | 57 | 8.9 | 8.0 | 1.6 | 1.2 | 32 | Update | Add | |
| Paul George | SG | 22.2 | 44.6 | 3.3 | 6.4 | 1.5 | 0.3 | 18.6 | Update | Add | |
| Russell Westbrook | PG | 31.8 | 41.9 | 10.3 | 10.6 | 1.7 | 0.4 | 30.3 | Update | Add | |
| Stephen Curry | PG | 24.9 | 46.1 | 6.3 | 4.5 | 1.7 | 0.2 | 23.4 | Update | Add | |

Add to Team will draw player from the pool and added to user's team page

scenario: try to add one player into user's team

NBADex



















My TeamPlayer ManagementView StatsLog Out

All Players

player added successfully

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 | Update | Add |  |
| Carmelo Anthony | SF | 23.0 | 45.2 | 2.9 | 5.9 | 0.8 | 0.5 | 18.4 | Update | Add |  |
| Chris Paul | PG | 17.4 | 46.6 | 9.4 | 4.4 | 2.3 | .1 | 25.8 | Update | Add |  |
| Damian Lillard | PG | 26.3 | 43.9 | 5.8 | 4.9 | 0.7 | 0.3 | 22.5 | Update | Add |  |
| DeAndre Jordan | C | 12.3 | 70.1 | 1.2 | 13.5 | 0.6 | 1.7 | 20.9 | Update | Add |  |
| Draymond Green | SF | 10.4 | 42.3 | 7.2 | 8.0 | 2.2 | 1.5 | 17.1 | Update | Add |  |
| Eric Bledsoe | SF | 21.1 | 43.3 | 4.8 | 6.3 | 2.0 | 0.5 | 20.8 | Update | Add |  |
| Isaiah Thomas | PG | 29.2 | 46.1 | 6.0 | 2.6 | 0.9 | 0.1 | 26.8 | Update | Add |  |
| JJ Redick | SG | 14.6 | 43.7 | 2.2 | 1.4 | 0.7 | 0.2 | 13.8 | Update | Add |  |
| James Harden | SG | 29.1 | 44.3 | 11.2 | 7.9 | 1.5 | 0.4 | 27.6 | Update | Add |  |
| Jeremy Lin | PG | 13.8 | 45.2 | 4.9 | 3.1 | 1.0 | 0.4 | 19 | Update | Add |  |
| Kawhi Leonard | SF | 26.3 | 48.5 | 3.4 | 5.9 | 1.8 | 0.7 | 28.1 | Update | Add |  |
| Kevin Durant | SF | 25.3 | 53.7 | 4.8 | 8.2 | 1.1 | 1.6 | 27.6 | Update | Add |  |
| Klay Thompson | SG | 22 | 46.3 | 2 | 3.7 | 0.8 | 0.5 | 16.6 | Update | Add |  |
| LeBron James | SF | 27.2 | 57 | 8.9 | 8.0 | 1.6 | 1.2 | 32 | Update | Add |  |
| Paul George | SG | 22.2 | 44.6 | 3.3 | 6.4 | 1.5 | 0.3 | 18.6 | Update | Add |  |
| Russell Westbrook | PG | 31.8 | 41.9 | 10.3 | 10.6 | 1.7 | 0.4 | 30.3 | Update | Add |  |
| Stephen Curry | PG | 24.9 | 46.1 | 6.3 | 4.5 | 1.7 | 0.2 | 23.4 | Update | Add |  |

scenario: player added show up in team profile

NBADex

My Team


Player Management

View Stats

Log Out


Team Zhisheng Liu

PF



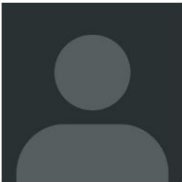
Anthony Davis

Position




Choose Player

Position



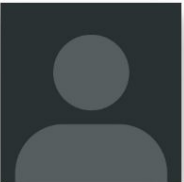
Choose Player

Position



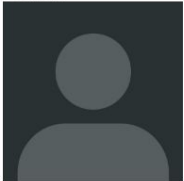
Choose Player

Position



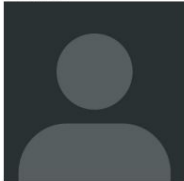
Choose Player

Position




Choose Player

Position




Choose Player

Position



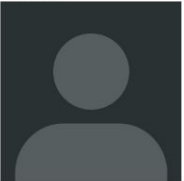
Choose Player

Position



Choose Player

Position



Choose Player

Created By

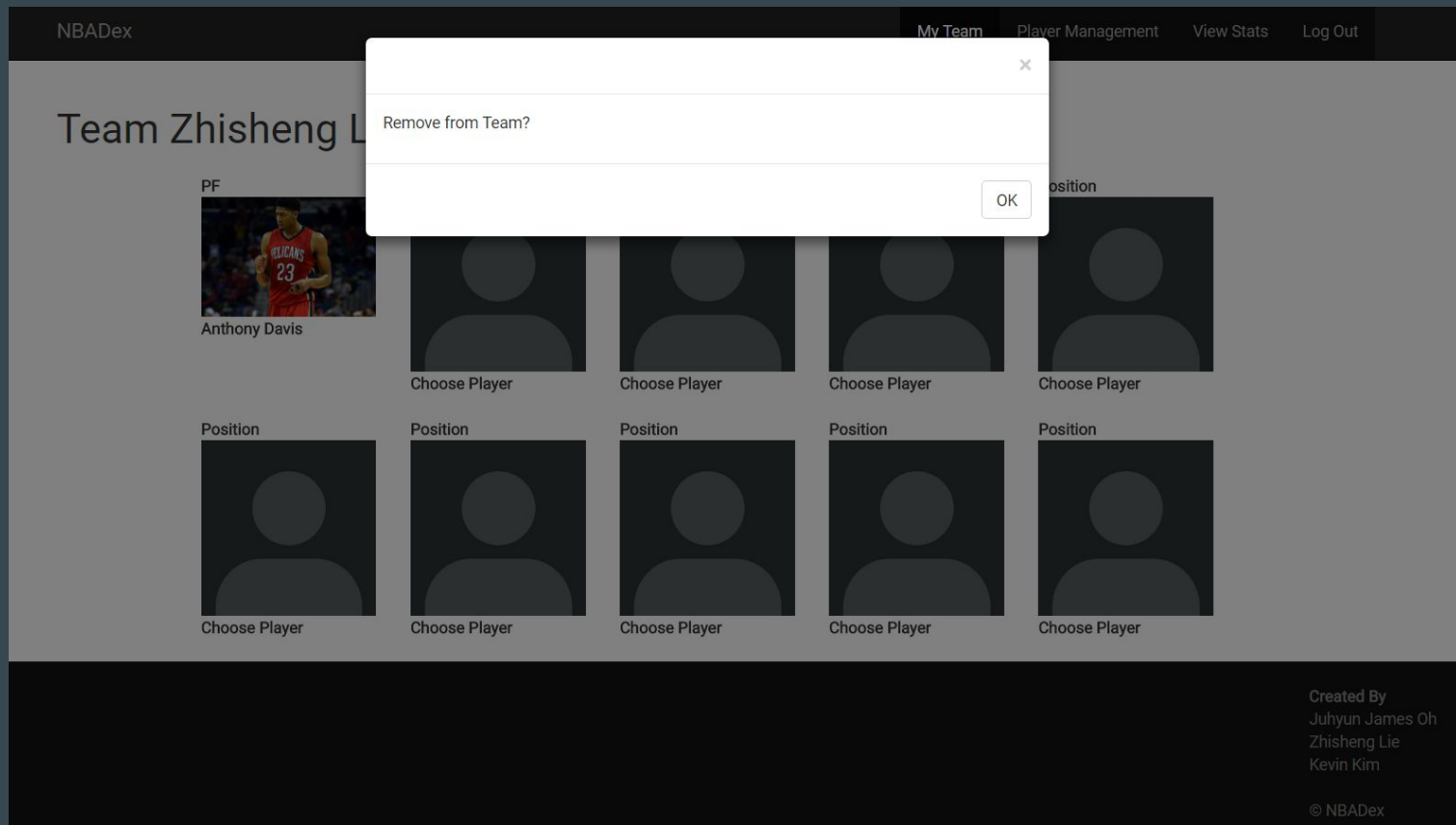
Juhyun James Oh

Zhisheng Lie

Kevin Kim

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scenario: player removed from team profile by click on pic



scenario: fill your team with maximum of 10 players

NBADex

My Team

Player Management

View Stats

Log Out

All Players

Team is full, cannot add more 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 | <button>Update</button> | <button>Add</button> | <button></button> |
| Carmelo Anthony | SF | 23.0 | 45.2 | 2.9 | 5.9 | 0.8 | 0.5 | 18.4 | <button>Update</button> | <button>Add</button> | <button></button> |
| Chris Paul | PG | 17.4 | 46.6 | 9.4 | 4.4 | 2.3 | .1 | 25.8 | <button>Update</button> | <button>Add</button> | <button></button> |
| Damian Lillard | PG | 26.3 | 43.9 | 5.8 | 4.9 | 0.7 | 0.3 | 22.5 | <button>Update</button> | <button>Add</button> | <button></button> |
| DeAndre Jordan | C | 12.3 | 70.1 | 1.2 | 13.5 | 0.6 | 1.7 | 20.9 | <button>Update</button> | <button>Add</button> | <button></button> |
| Draymond Green | SF | 10.4 | 42.3 | 7.2 | 8.0 | 2.2 | 1.5 | 17.1 | <button>Update</button> | <button>Add</button> | <button></button> |
| Eric Bledsoe | SF | 21.1 | 43.3 | 4.8 | 6.3 | 2.0 | 0.5 | 20.8 | <button>Update</button> | <button>Add</button> | <button></button> |
| Isaiah Thomas | PG | 29.2 | 46.1 | 6.0 | 2.6 | 0.9 | 0.1 | 26.8 | <button>Update</button> | <button>Add</button> | <button></button> |
| JJ Redick | SG | 14.6 | 43.7 | 2.2 | 1.4 | 0.7 | 0.2 | 13.8 | <button>Update</button> | <button>Add</button> | <button></button> |
| James Harden | SG | 29.1 | 44.3 | 11.2 | 7.9 | 1.5 | 0.4 | 27.6 | <button>Update</button> | <button>Add</button> | <button></button> |
| Jeremy Lin | PG | 13.8 | 45.2 | 4.9 | 3.1 | 1.0 | 0.4 | 19 | <button>Update</button> | <button>Add</button> | <button></button> |
| Kawhi Leonard | SF | 26.3 | 48.5 | 3.4 | 5.9 | 1.8 | 0.7 | 28.1 | <button>Update</button> | <button>Add</button> | <button></button> |
| Kevin Durant | SF | 25.3 | 53.7 | 4.8 | 8.2 | 1.1 | 1.6 | 27.6 | <button>Update</button> | <button>Add</button> | <button></button> |
| Klay Thompson | SG | 22 | 46.3 | 2 | 3.7 | 0.8 | 0.5 | 16.6 | <button>Update</button> | <button>Add</button> | <button></button> |
| LeBron James | SF | 27.2 | 57 | 8.9 | 8.0 | 1.6 | 1.2 | 32 | <button>Update</button> | <button>Add</button> | <button></button> |
| Paul George | SG | 22.2 | 44.6 | 3.3 | 6.4 | 1.5 | 0.3 | 18.6 | <button>Update</button> | <button>Add</button> | <button></button> |
| Russell Westbrook | PG | 31.8 | 41.9 | 10.3 | 10.6 | 1.7 | 0.4 | 30.3 | <button>Update</button> | <button>Add</button> | <button></button> |
| Stephen Curry | PG | 24.9 | 46.1 | 6.3 | 4.5 | 1.7 | 0.2 | 23.4 | <button>Update</button> | <button>Add</button> | <button></button> |

scenario: fill your team with maximum of 10 players

NBADex

My Team

Player Management

View Stats

Log Out

Team Zhisheng Liu

PF



Anthony Davis

PG



Stephen Curry

SF



Draymond Green

C



DeAndre Jordan

PG



Damian Lillard

PG



Chris Paul

SF



Carmelo Anthony

SF



Eric Bledsoe

SG



JJ Redick

SG



James Harden

Created By
Juhyun James Oh
Zhisheng Lie
Kevin Kim

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scenario: check out their statistic

NBADex

My Team

Player Management

View Stats

Log Out

Team Zhisheng Liu

Overview of your team's individual player statistics

| Name | Position | PPG | FG% | AST | REB | STL | BLK | PER |
|-----------------|----------|------|------|------|------|-----|-----|------|
| Anthony Davis | PF | 27.9 | 50.0 | 2.2 | 11.9 | 1.2 | 2.3 | 27.4 |
| James Harden | SG | 29.1 | 44.3 | 11.2 | 7.9 | 1.5 | 0.4 | 27.6 |
| Stephen Curry | PG | 24.9 | 46.1 | 6.3 | 4.5 | 1.7 | 0.2 | 23.4 |
| Draymond Green | SF | 10.4 | 42.3 | 7.2 | 8.0 | 2.2 | 1.5 | 17.1 |
| DeAndre Jordan | C | 12.3 | 70.1 | 1.2 | 13.5 | 0.6 | 1.7 | 20.9 |
| Damian Lillard | PG | 26.3 | 43.9 | 5.8 | 4.9 | 0.7 | 0.3 | 22.5 |
| Chris Paul | PG | 17.4 | 46.6 | 9.4 | 4.4 | 2.3 | .1 | 25.8 |
| Carmelo Anthony | SF | 23.0 | 45.2 | 2.9 | 5.9 | 0.8 | 0.5 | 18.4 |
| Eric Bledsoe | SF | 21.1 | 43.3 | 4.8 | 6.3 | 2.0 | 0.5 | 20.8 |
| JJ Redick | SG | 14.6 | 43.7 | 2.2 | 1.4 | 0.7 | 0.2 | 13.8 |
| | | | | | | | | |

Tools used

1. HTML
2. CSS: Bootstrap
3. Javascript: Jquery and VueJS
4. Google Firebase backend