

Welcome Candidate and thank you for taking the time to complete the Alkira take-home challenge for our frontend position.

The goal of this challenge is to build out a UI and following layout:

Team Name	City ▲	Abbreviation	Conference	Division
Hawks	Atlanta	ATL	East	Southeast
Celtics	Boston	BOS	East	Atlantic
Nets	Brooklyn	BKN	East	Atlantic
Hornets	Charlotte	CHA	East	Southeast
Bulls	Chicago	CHI	East	Central
Cavaliers	Cleveland	CLE	East	Central
Mavericks	Dallas	DAL	West	Southwest

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NBA TEAMS

Team Name	City ▲	Abbreviation	Conference
Hawks	Atlanta	ATL	East
Celtics	Boston	BOS	East
Nets	Brooklyn	BKN	East
Hornets	Charlotte	CHA	East
Bulls	Chicago	CHI	East
Cavaliers	Cleveland	CLE	East
Mavericks	Dallas	DAL	West

Celtics

Team Full Name

Boston Celtics

Total Games in 2021

88

Random Game Details:

Date

2021-10-04

Home Team

Celtics

Home Team Score

98

Visitor Team

Magic

Visitor Team Score

97

The UI is made up of a search bar and a list of NBA Teams in the form of Table / Cards.

You will need to make an API call to retrieve the NBA Teams information.

When the user clicks on any row, the selected row should be highlighted and the side panel should open with additional information of the team and games played by the team in season 2021.

Pick any random game associated with the team to display the rest of the information in the side panel. (The api doesn't provide sorted results of the games, so feel free to pick any game associated with the team and the season from the list and display that information)

API details and Figma Prototype of the layout are mentioned in the resources section below.

Here are the strict rules of this challenge...you must:

- 1) Use the way you see fit to make the API call
- 2) Utilize React as the framework
- 3) You can utilize ReactBootstrap package to create the layout
- 4) Create components as you feel is best suited for your solution
- 5) Extra credits for implementing the search and sort (Hint: Retrieve the entire list of players and implement client side search). The rest is up to you! Feel free to be creative once you have an initial solution. "Wow us!"
- 6) Extra credits for writing unit test cases preferably in Cypress but feel free to pick a framework you are comfortable with.

Once you are done uploading the code to a git repository. Make sure it has public access.

Resources :

- 1) API: <https://www.balldontlie.io/#get-all-teams>
<https://www.balldontlie.io/#get-all-games>
- 2) React Bootstrap Docs:
<https://react-bootstrap.github.io/components/alerts/>
- 3) React Docs: <https://reactjs.org/docs/getting-started.html>
- 4) Layout ProtoType: [Figma Link](#)
- 5) Cypress Docs: <https://docs.cypress.io/guides/overview/why-cypress>

Good luck and if you have questions, feel free to reach out to us.