# Lists and Keys Lab

**New Attempt** 

**Due** No Due Date

Points 1

Submitting a website url



(https://github.com/learn-co-curriculum/react-hooks-lists-and-keys-lab/fork)



(https://github.com/learn-co-curriculum/react-hooks-lists-and-keys-lab) ( (https://github.com/learn-co-



curriculum/react-hooks-lists-and-keys-lab/issues/new)

# **Learning Goals**

- Transform a list of values into a list of components
- Use the key prop correctly with the list of components

#### Introduction

We'll keep building our portfolio site and add the ability to display a list of projects based on an array of project data.

Here is an image of what we want once we are finished:



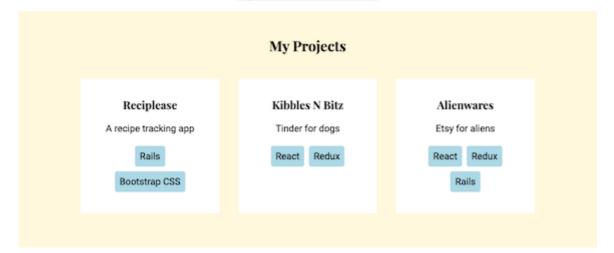
#### ADOUT ME

I made this!



Links

https://github.com/liza https://www.linkedin.com/in/liza/



...and here is a tree view of our component parent-child structure:

| 1 | Λρρ      |        |             |
|---|----------|--------|-------------|
|   | App      |        |             |
|   | <u> </u> | NavBar |             |
|   | <u> </u> | Home   |             |
|   |          | Abou   | ıt          |
|   |          | L      | Links       |
|   | L        | Proj   | ectList     |
|   |          |        | ProjectItem |
|   |          |        | ProjectItem |
|   |          |        | ProjectItem |

# **Deliverables**



It's recommended that you run <code>npm start</code> and work on this in the browser **before** running tests — try to get your app to match the demo! Once you've built out the components below, run <code>npm test</code> or <code>learn test</code> to see if your code passes the tests.

#### **NavBar**

In the NavBar component, there is an array with three strings representing each link on the page. For each of those strings, create an <a> tag that looks like this:

```
<a href="#home">home</a>
```

Make sure each <a> element also gets a unique key prop.

### **ProjectList**

In the ProjectList component, a prop of projects is being passed down from the App component with an array of objects. For each object in the array, render one ProjectItem component with the correct props. Use the id of the project for the key prop.

## **ProjectItem**

The ProjectItem component should get a prop of technologies passed down from ProjectList . For each element in this array of technologies, create a <span> tag that displays the name of the technology.

### Resources

<u>Lists and Keys</u> (<a href="https://reactjs.org/docs/lists-and-keys.html">https://reactjs.org/docs/lists-and-keys.html</a>)