

Section Notes

Section 4 : Data & Libraries

See the Prezi presentation (<https://prezi.com/view/pkFz9lk9l7VCx9PDd9ng/>)

Please note: I mislabelled this section in videos as Section 5, but it's really Section 4. Sorry!

Brief Notes

- Libraries
 - Open-source code packages, installable and reusable and editable
 - React-Bootstrap and React-Select, using NPM
 - Using import to manage packages and modular code
 - Ensure you are following install instructions closely
- React-Bootstrap can give you some nice fast initial styling using custom components
- Use documentation for packages!
- JSON or external AJAX data
 - Use `fetch()` call rather than other libraries unless necessary
 - Using `componentDidMount()` for initial data GET call
 - Can load into state, or use to manipulate state, etc

Review Assignment

- Use a Google Map React library to create a map in your component
- See `solution.js` sample for a simple working map. Integrate it yourself, though!

Quiz

See page 2 for answers.

1. You should avoid using libraries in your applications. True or false?
2. All libraries are included with JS script tags. True or false?
3. What are some ways to evaluate whether or not to use a library?
4. You should avoid directly iterating over or changing state when using external data. True or false?
5. What is the `fetch()` function?

Quiz Answers

1. False. State is internal to a component.
2. False. You should be using the import statement as often as possible.
3. You want to check if it's built for React, if the documentation is good, and how old it is. But at the end of the day, just give it a try!
4. False! Do what you want with data. But think carefully about what data you need to display and which you don't, and it's better to keep your original data saved somewhere just in case.
5. A function built into Javascript that performs an AJAX call easily.