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Week 15FE Research

Prompts

1. What are some React best practices not covered in this week's videos? List at least 3 and describe why they are important.

- Create and organize a good folder structure for your files and components inside of the React app. You can order it by component, or by type of file or however your company wants them organized. This is important because it helps keep your application maintainable and helps as it scales up or down in size.
- Make sure keys are unique across your app. Use id of each array element that is mapped or use an external library that generates unique ids to use as a key.
- Have a structured import order. This lets you keep track of imports and helps other developers read your code and find the correct imports. Many developers follow an order like
  - Built-In imports, like 'react'
  - External imports like third-party node modules
  - Internal imports like component

2. What are some other features the REST entails that we didn't cover this week?

I didn't really watch the videos, so I don't know what was covered but here are the characteristics of a REST API

1. Client-Server architecture – the client and the server are separate entities that communicate through HTTP
2. Statelessness – each request contains all the necessary information that the server needs to fulfill the request
3. Cacheability – responses can be cached by the client so the response time is faster because the server doesn't need to generate the response for the same request if nothing has changed
4. Layered System – the client interacts with the server through a single endpoint where the server can interact with multiple backend systems
5. Uniform interface – REST APIs use a common set of methods to access the data and a standard format to send back responses, like JSON.

3. What is a highlight of what you have learned this week?

Sources

https://www.freecodecamp.org/news/best-practices-for-react/

https://www.scrapingbee.com/blog/six-characteristics-of-rest-api/