



Most common **ReactJS** Interview Questions

How would you optimize your **App's performance?**

Here are some
tips for peak
performance



Marcelo M. Prado
@artstation





Lazy Loading

It is a new function in React that lets you load React components **lazily** through **code splitting** without help from any additional libraries.

It is a technique used to **reduce** the **load time** of a React app.

Lazy loading helps reduce the **risk of web app performances** to minimal.





useMemo()

It is a React **hook** that is used for **caching** CPU-Expensive functions.

Sometimes in your app, a **CPU-Expensive** function gets called repeatedly due to re-renders of a component, which can lead to slow rendering.

useMemo() hook can be used to cache such functions. By using useMemo(), the CPU-Expensive function gets **called only when it is needed**.

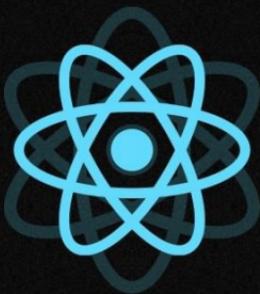




React.PureComponent

Instead of using the simple React.Component, we can use React.PureComponent to reduce the re-renders of a component unnecessarily.

The difference between them is that React.Component doesn't implement `shouldComponentUpdate()`, but React.PureComponent implements it with a shallow prop and state comparison.





Maintaining State Colocation

This is a process of **moving** the state as **close** to where **you need** it as possible.

Sometimes in React app, we have a lot of **unnecessary** states inside the parent component which makes the code **less readable** and **harder to maintain**.

Not to forget, having many states inside a single component leads to unnecessary re-renders for the component.

It is **better to shift states** which are less valuable to the parent component, to a **separate** component.



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Slobodan Gajić

Content Creator



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