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ReactJs dasturchi

TA'LIM

Frontend Dasturchi IT Park

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IT Park ning rasmiy filialida Frontend Dasturchi bo'lish maqsadida o'qiganman.

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2023 Oct -2024 May



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Toshkent viloyati

TILLAR:

0 zbek (Uzbek) Ona tili darajasida

#1 What is the purpose of the shouldComponentUpdate lifecycle method in ReactJS?

To update the component's state

To render the component

To perform actions after the component is mounted to the DOM

To optimize performance by preventing unnecessary re-renders ✓

#2 What is the purpose of the useCallback hook in ReactJS?

To memoize expensive computations

To handle user input in forms

To subscribe to changes in context

To perform data fetching operations ✗

Javob: To memoize expensive computations

#3 What is the purpose of using React.Fragment?

To create a virtual DOM

To manage state in functional components

To define component lifecycle methods

To group multiple elements without adding extra nodes to the DOM ✓

#4 What is the purpose of the React.memo function in ReactJS?

To memoize expensive computations

o create a higher-order component

To handle context in functional components

To optimize performance by preventing unnecessary re-renders of functional components ✓

#5 How can you integrate third-party libraries with React.js . ?

By including script tags directly in HTML files.

By using CDNs to load library files dynamically.

All other answers are correct

By installing libraries using npm or yarn and then importing them into React components. ✓

#6 How can you prevent a component from rendering in React.js?

By using conditional rendering techniques, such as ternary operators or logical expressions.

By setting the "render" property to "false" within the component.

By calling the "stopRendering" method provided by React.js.

By removing the component from the component tree. ✗

Javob: By using conditional rendering techniques, such as ternary operators or logical expressions.

#7 What is the significance of using the 'strict mode' in React.js?

It enforces strict type checking for props and state

It enables additional performance optimizations

It restricts the usage of certain deprecated features

It highlights potential errors and warnings in development mode ✓

#8 What is the purpose of the key prop in React component lists?

To specify the styling for each item in the list

To define event handlers for each item in the list

To specify the order of items in the list

To provide a unique identifier for each item in the list ✓

#9 What is the difference between "props" and "state" in React.js?

Props and state are the same thing, just different names used interchangeably in React.js.

Props are only accessible in class components, while state is only accessible in functional components.

Props are used for event handling, while state is used for rendering HTML elements.

Props are immutable and passed from parent to child components, while state is mutable and managed within a component.

#10 How can you prevent unnecessary re-renders in functional components in ReactJS?

By using `React.memo`

By using `shouldComponentUpdate` method

By using `PureComponent` class

By using `useMemo` hook ✖

Job: By using `React.memo`

#11 How can you pass data between components that are not directly related in ReactJS?

By using props drilling

By using state management libraries like Redux

By using event listeners

By using context API ✔

#12 What is the purpose of the `React.Fragment` component in React.js?

To define the structure of a functional component

To create reusable layout components

To encapsulate stateful logic within a component

To group multiple elements without adding extra nodes to the DOM ✔

#13 What are keys used for in React.js lists?

They determine the order in which list items are rendered.

They control the styling of list items.

They define event handlers for list items.

They provide a unique identifier for each element in the list. ✓

#14 What is the purpose of the React DevTools browser extension?

It automatically generates React components based on HTML markup.

It optimizes the performance of React applications by removing redundant code.

It provides a suite of built-in UI components for rapid development.

It allows developers to inspect and debug React component hierarchies in the browser. ✓

#15 What is the purpose of the useEffect() hook in React?

To manage side effects in functional components

To perform data fetching operations

To render components conditionally

To define component lifecycle methods ✗

Javob: To manage side effects in functional components

#16 What is the purpose of the useRef hook in ReactJS?

To manage state in functional components

To handle context in functional components

To perform side effects in functional components

To create a reference to a DOM element ✓

#17 How can you create a reusable component in React.js?

By using props and children

By using functional components

By using class components

By using higher-order components ✖

Javob: By using props and children

#18 How can you handle errors in React.js applications?

By implementing error boundaries using componentDidCatch lifecycle method.

By directly modifying the React source code to handle errors.

By using third-party libraries exclusively.

By using try...catch blocks within render methods. ✖

Javob: By implementing error boundaries using componentDidCatch lifecycle method.

#19 How can you pass data between sibling components in ReactJS?

By using props drilling

By using state management libraries like Redux

By using React context API ✔

By using event emitters

#20 What is the significance of using PropTypes in React.js?

PropTypes enforce type-checking for component props during development.

PropTypes ensure that components are rendered in the correct order.

PropTypes automatically generate CSS classes for components.

PropTypes handle asynchronous actions within components. ✖

Javob: PropTypes enforce type-checking for component props during development.
