TP005 React (2309) / ✓ Quiz: Components and Props

✓ Quiz: Components and Props

Started on	Tuesday, 19 September 2023, 1:07 PM
State	Finished
Completed on	Tuesday, 19 September 2023, 1:08 PM
Time taken	1 min 36 secs
Marks	5.50/8.00
Grade	**6.88** out of 10.00 (**68.75**%)

Question 1

Correct

Mark 1.00 out of 1.00

⚑ Flag question

True or False: A component's name must start with a capital letter.

Select one:

⦿ True ✔

◯ False

If a component is rendered using JSX, the name of that component must begin with a capital letter or React will throw an error as an unrecognized tag. By convention, only HTML elements and SVG tags can begin with a lowercase letter.

Question 2

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Why is it better to use fragments rather than container divs?

Select all appropriate answers:

☑ Fragments make the DOM Inspector less cluttered. ✔

☑ Fragments are a bit faster and use less memory by not creating an extra DOM ✔ node.

☐ Fragments are semantic HTML

☑ Fragments make it easier to work with CSS layout mechanisms like CSS Grid ✔ and CSS Flexbox.

Question 3

Incorrect

Mark 0.00 out of 1.00

⚑ Flag question

How would one component call another component named `Example`?

Select one:

◯ Example()

◯

◯ <Example />

⦿ Example ✖

Question 4

Correct

Mark 1.00 out of 1.00

⚑ Flag question

True or False: Components allow React developers to split the UI into independent, reusable pieces of code.

Select one:

◉ True ✔

○ False

Question 5

Incorrect

Mark 0.00 out of 1.00

⚑ Flag question

Which of the following statements best defines props in React?

Select one:

○ Props are a plain JavaScript object holding data passed down from the component's parent.

○ Props are a plain JavaScript array holding data passed down from the component's parent.

◉ Props are a plain JavaScript object holding data managed within the component, preserved by React after the component is rendered. ✘

○ Props are a plain JavaScript array holding data managed within the component, preserved by React after the component is rendered.

Question 6

Correct

Mark 1.00 out of 1.00

⚑ Flag question

True or False: A common pattern in React is for a component to return multiple elements. Fragments allow the developer to group a list of children without adding extra nodes to the DOM.

Select one:

◉ True ✔

○ False

Question 7

Correct

Mark 1.00 out of 1.00

⚑ Flag question

True or False: A component can modify its own props?

Select one:

○ True

◉ False ✔

Props are Read-only and their component must never modify its own props.

Question 8

Partially correct

Select the two ways in which props can be accessed in a functional component.

Select all appropriate answers:

Select all appropriate answers:

- ☑ Object destructuring ✔
- ☐ The _this_ keyword
- ☐ Object dot notation
- ☐ Array destructuring

Props can be accessed or consumed in the component by using Object dot notation ({props.name}) or Object destructuring ({name}).

Finish review

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Mark 0.50 out of 1.00

- ☑ Object destructuring ✔