Graded Quiz due Jun 8, 2024 00:41 IST   Completed

Question 1

1/1 point (graded)
What is a State?

○	A parent component function that takes a string argument

○	A component's render function that returns data about an attribute

●	An object that contains information about the component

○	A piece of software that passes data between React components

✔

Answer
Correct:
The state is a built-in React object that is used to contain data or information about the component.

[Submit]   Try again (1 attempt remaining) ⓘ

Question 2

1/1 point (graded)
What is used to pass data between React components?

○	Local state

○	Shared state

●	Prop

○	HTML attribute

✔

Answer
Correct:
Props, short for 'properties', are used to pass data between React components. Props are read-only because React's data flow between components is uni-directional, from parent to child only.

[Submit]   Try again (1 attempt remaining) ⓘ

Question 3

1/1 point (graded)
What do you use to pass data from child components to parent components?

○	State

○	Render

●	Callback

○	Method

✓

Answer
Correct:
You can pass data from child React components to parent React components using callbacks.

[Submit]   Try again (1 attempt remaining) ⓘ

Question 4

1/1 point (graded)
When does a component lifecycle start?

○ When the component is removed from the DOM

○ When the state of the component first changes

◉ When components are created or mounted on the DOM

○ When a user clicks the mouse or presses the keyboard

✓

Answer
Correct:
A component lifecycle starts when components are created or mounted on the DOM. Once mounted, they grow by updating and end by being unmounted from the DOM.

[Submit]   Try again (1 attempt remaining) ⓘ

Question 5

1/1 point (graded)
What do you use to pass data from parent components to child components?

○ State

○ Callback

◉ Prop

○ Method

✓

Answer
Correct: Using props, you can pass data from parent React components to child React components.

[Submit]   Try again (1 attempt remaining) ⓘ

Question 6

1/1 point (graded)
Which function is invoked right after the component is mounted on the DOM?

○ componentWillMount

○ Render

○

◉ componentDidMount

○ componentWillUnmount

✓

Answer
Correct:
The componentDidMount() function is invoked right after the component is mounted on the DOM or, in other words, after the render() function is executed for the first time.

Submit   Try again (1 attempt remaining) ⓘ

Question 7

1/1 point (graded)
What do you use to make a call to an external server asynchronous?

◉ Promises

○ Method

○ Props

○ State

✓

Answer
Correct:
Most requests to external servers are blocking. To make the call asynchronous, you can use promises.

Submit   Try again (1 attempt remaining) ⓘ

Question 8

1/1 point (graded)
What does the postDataToServer method do?

○ Sets a component with a user state to "None Logged In"

○ Requests all objects in the usercollection destination

◉ Sends the data to the server and updates the response from the server to the component's state completionStatus

○ Creates a JSON object and pushes it into the usercollection array

✓

Answer
Correct:
The postDataToServer method sends the data to the server and updates the response from the server to the component's state completionStatus.

Submit   Try again (1 attempt remaining) ⓘ

Question 9

1/1 point (graded)
What are the phases of a component test?

- ○ Begin, Revise, Complete

- ○ Query, Run, Resolve

- ○ Chai, Sinon, and Mocha

- ● Arrange, Act, and Assert
✔

Answer
Correct: Component tests flow through three phases: Arrange, Act, and Assert.

Submit   Try again (1 attempt remaining) ⓘ

Question 10

1/1 point (graded)
What are the two testing approaches?

- ○ Mocha and Chai

- ● Component and end-to-end

- ○ Regression and event

- ○ Simulated and authenticated
✔

Answer
Correct:
You can render component trees in a simple test environment and assert their output, or you can run a complete application in a realistic browser environment that integrates all tests into one big end-to-end test.

Submit   You have used 2 of 2 attempts