✓ **Congratulations! You passed!**

Grade received 100%   **Latest Submission Grade** 100%   **To pass** 70% or higher

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1. What is EcmaScript or ES?   1 / 1 point

○ A programming organization

⦿ A standardized name for JavaScript

○ A communication standard

○ A regulated name for JSON

✓ **Correct**
Correct! EcmaScript (ES) is Ecma's specification to which JavaScript adheres.

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2. Which feature in E6 limits the scope of variables?   1 / 1 point

⦿ let

○ promise

○ const

○ Arrow functions

✓ **Correct**
Correct! let allows you to restrict the scope of variables within the block where they were declared.

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3. What is the state of a promise object when the operation executes successfully?   1 / 1 point

○ Constant

○ End

○ Pending

⦿ Fulfilled

✓ **Correct**
Correct! When the operation executes successfully, the promise is in the fulfilled state.

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4. React is an open-source library created and maintained by Facebook and community developers. What is it mainly used to build?   1 / 1 point

⦿ Complex UIs

○ Error messages

○ AI questions

○ Accessibility messages

✓ **Correct**
Correct! React is a framework for building client-side dynamic web applications.

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5. Facebook provides the Create React App to simplify creating React apps. What must be installed in order to run npx create-react-app with the name of the app you want to create?   1 / 1 point

○ The XML editor

● Node.js

○ Facebook

○ JavaScript

✓ **Correct**
Correct! If you have Node.js installed, you can run npx create-react-app with the name of the application you want to create.

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6. Functional components are most useful when the component has properties, but what is the restriction?   **1 / 1 point**

○ Properties can't be user defined.

○ Properties can't have uppercase characters.

● The component lifecycle does not require management.

○ Properties can't be passed as parameters to the function.

✓ **Correct**
Correct! Functional components are most useful when the component has properties, but the lifecycle of the component does not have to be managed.

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7. What makes class components more preferable than functional components?   **1 / 1 point**

○ Simplicity

● Versatility

○ Rigidity

○ Definition

✓ **Correct**
Correct! Class components are preferred more than functional components because of their versatility.

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8. In the Working with React Components video, what does the incrementCounter method do in the React app?   **1 / 1 point**

○ Passes a value to the GUI

● Updates a state so a component is rendered again

○ Routes a command through a component

○ Stops the application

✓ **Correct**
Correct! When the counter increments, the state changes.

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9. What is the benefit of using the JSX transformation step in HTML?   **1 / 1 point**

○ Browser understands JSX

○ Can be parsed by a JavaScript engine

● Converts HTML tags into React elements

○ Helpful as a visual aid

✓ **Correct**
Correct! JSX converts HTML tags into React elements and makes it easier to write React applications.

10. Which of the following features can be implemented using React Hook in functional components?

1 / 1 point

○ Props

○ Logic

◉ Lifecycle methods

○ Event

✓ **Correct**
  Correct! Lifecycle methods functionality can be added by implementing React Hooks in functional components.