 Which of the following function component principles helps you identify errors well? Reusability Composition Unidirectional data flow 	
O Composition	1/1 point
Unidirectional data flow	
O Customization	
 Correct Correct! The unidirectional data flow makes it easy to follow how data gets passed and updated 	
throughout your application, enabling errors to be spotted easily.	
2. What purpose does higher-order function component composition serve?	1/1 point
Passing data from a parent component to its child	
Arranging components in a hierarchy Adding features without rewriting code	
Transferring data between components	
⊘ Correct	
Correct! Higher-order components allow you to add features such as state management or logic without modifying its implementation or duplicating code.	
3. How does the hierarchy principle benefit component organization in React?	1/1poin
It provides modular design using parent-child components.	
O It enables component manipulation by the virtual DOM.	
O It enables efficient data passing.	
It allows easy manipulation of component states.	
 Correct Correct! The hierarchy principle allows you to arrange components in a hierarchy with parent and 	
child components. This hierarchical structure also assists with organization and modular design.	
4. Which hook function should you use to update the user's name from "Marie" to "Marie Torres" in React?	1/1 point
SetButtonClicked("Marie Torres ")	
useState("Marie Torres")	
setName("Marie Torres ") updateName("Marie Torres ")	
○ Correct	
Correct. In React class components, you use the setState function to update state variables.	
5. If you allow users to collapse or expand a section for better readability, which approach would provide the best user experience to control screen clutter?	1 / 1 point
O Display the information alongside the other content.	
O Use useState for rendering the conditional information.	
O Use setName to update the information.	
Create a separate component with a toggle button.	
 Correct Correct! Creating a separate component dedicated to the nutritional information with a button to 	
toggle visibility allows users to expand or collapse the section as needed without cluttering the mai recipe view. This approach enhances user experience by offering flexibility while maintaining	
readability and accessibility.	
6. Which phase of a functional component's lifecycle does React use to initialize a component and prepare i rendering on the DOM?	or 1/1 point
Mounting phase	
O Unmounting phase	
O Error-handling phase	
O Updating phase	
 Correct Correct! During the mounting phase, React initializes the functional component, preparing it for 	
rendering on the DOM.	
7. Examine the following code:	1/1 point
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<pre>useEffect(() => { fetch('https://api.example.com/products')</pre>	1/1 point
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actual DOM to only re-render the updated component.

Your grade: 100%