

Your grade: 90%

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Next item →

1. You are implementing a stateful component in your React project which will display the number of people living in your town. Which of the following React hooks should be used to update the state of the component?

1 / 1 point

- ☐ `useEffect()`
- ☐ `setState()`
- ☒ `useState()`
- ☐ `setEffect()`

✓ Correct

That's correct! This is a built-in React hook which can define an initial state if a value is passed in as a parameter and also update the states through array destructuring of its returned array.

2. Which one of the following statements is true about the `useState` hook?

1 / 1 point

- ☐ The pair of values returned by `useState` must be given strict names defined somewhere in your code.
- ☐ The initial state of a component should always be defined as `useState(0)`.
- ☒ The pair of values returned by `useState` can be given any name.
- ☐ To continuously update the state, arguments must be passed to the `useState` hook.

✓ Correct

That's correct! Although normally we would give them semantic names, such as `count` and `setCount`, they can actually be given any name.

3. What is the type of data which is passed from a parent component to a child component?

1 / 1 point

- ☐ mutable data
- ☒ `props` data
- ☐ variable data
- ☐ state data

✓ Correct

That's correct! `props` are passed from a parent to a child component, the child then does something with those `props`, whether it be updating what is rendered on the web page, or storing the data as state internally.

4. True or False: Form elements keep their own state in regular HTML.

0 / 1 point

- ☐ True
- ☒ False

✗ Incorrect

Not quite. Please review the reading [Recap: Forms](#).

5. When building an app locally you may want to mock the JSON data returned from an API call for testing purposes. Which one of the following would be the most appropriate way to do this?

1 / 1 point

- ☐ Use a `.xml` file for the mocked data.
- ☒ Use a `.json` file for the mocked data.
- ☐ Use a `.txt` file for the mocked data.

✓ Correct

That's correct! This will be the most practical approach for local development and testing.

6. Which data transfer format is most commonly used with APIs?

1 / 1 point

- ☐ Text
- ☐ XML
- ☒ JSON

✓ Correct

That's correct! A valid endpoint is provided and the response is handled with a promise.

7. Which one of the following code snippets is a valid unit test?

1 / 1 point

☐

```
1  unitTest("Validate title", () => {
2    render(<App />);
3
4    const actualTitle = screen.getByTestId("pageTitle");
5    const expectedTitle = "My Web Page";
6
7    expect(actualTitle).toBe(expectedTitle);
8  });
9
```

☐

```
1  function("Validate title", () => {
2    render(<App />);
3
4    const actualTitle = screen.getByTestId("pageTitle");
5    const expectedTitle = "My Web Page";
6
7    expect(actualTitle).toBe(expectedTitle);
8  });
9
```

☒

```
1  test("Validate title", () => {
2    render(<App />);
3
4    const actualTitle = screen.getByTestId("pageTitle");
5    const expectedTitle = "My Web Page";
6
7    expect(actualTitle).toBe(expectedTitle);
8  });
9
```

✓ Correct

That's correct! A valid unit test is defined using the `test()` function and takes in two arguments; the name of the test and a function which is the body of the test.

8. Which type of form validation occurs after the user has pressed on the submit button?

1 / 1 point

- ☐ Client-side form validation
- ☒ Server-side form validation
- ☐ Ad-hoc form validation

✓ Correct

That's correct! Server-side form validation is performed on the server after the user submits the form data.

9. Of the four major elements outlined by the WCAG (Web Content Accessibility Guidelines), which one is mostly concerned with providing features such as screen readers and synthesized speech?

1 / 1 point

☐ Operable

-
- ☐ Understandable
 - ☐ Robust
 - ☒ Perceivable

✓ **Correct**

That's correct! Visitors to a web page who are blind or vision impaired frequently use screen readers and synthesized speech.

10. Which type of destructuring is being used in the following code snippet?

1 / 1 point

```
import React, { useState } from "react";
```

- ☐ import destructuring
- ☐ json destructuring
- ☒ object destructuring
- ☐ array destructuring

✓ **Correct**

That's correct! In this code snippet the `useState` hook is being extracted from the imported react library which allows it to be used simply by typing `useState` instead of `React.useState`.