

Your grade: **93.33%**

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Next item →

1. Which of the following is not part of the CSS box model?

1 / 1 point

- ☒ The outline property
- ☐ Margin
- ☐ Padding
- ☐ Border

✓ Correct

That's correct! The outline property is not part of the box model. The box model consists of four parts: the content box, margin, padding and border.

2. What is required by JavaScript when creating a function declaration?

1 / 1 point

- ☐ The assignment operator
- ☒ The function name
- ☐ The name of an argument you want to pass to the function

✓ Correct

That's correct! When coding function declarations, you need to give them a name.

3. Which Git command is used to upload the latest changes to a remote repository?

1 / 1 point

- ☐ `git commit`
- ☒ `git push`
- ☐ `git clone`
- ☐ `git pull`

✓ Correct

That's correct! The `git push` command will push your changes in your local branch to a remote repository.

4. Which of the following are rules from Shneiderman's **8 Golden Rules of UI Design**? Select all that apply.

1 / 1 point

- ☐ Help and documentation.
- ☒ Offer informative feedback.

✓ Correct

That's correct! This is one of Shneiderman's **8 Golden Rules of UI Design**. It is essential to provide informative feedback for every action in a format that's readable to the user. The user should always know where they are at all times.

- ☒ Strive for consistency.

✓ Correct

That's correct! This is one of Shneiderman's **8 Golden Rules of UI Design**. It is critical to maintain uniformity throughout the site, whether it's the layout, the size of the button, the color code, or the tone used when writing the page.

- ☒ Offer simple error handling.

✓ Correct

That's correct! This is one of Shneiderman's **8 Golden Rules of UI Design**. If unavoidable errors occur, you must ensure that you provide users with simple step-by-step instructions to solve the problem quickly and easily.

5. You are writing a blog about your recent learnings on React on a blog website which you developed. Which specific HTML element is a complete self-contained composition on a web page, and would be the best choice for placing the content of your blog in?

1 / 1 point

☒ `<article>`

☐ `<body>`

☐ `<main>`

✓ **Correct**

That's correct! The `<article>` element is completely self-contained because it is intended to be reusable or redistributable.

6. When does wireframing happen in the project lifecycle?

1 / 1 point

☒ Early in the project lifecycle.

☐ Towards the end of the project lifecycle.

☐ In the middle of the project lifecycle.

✓ **Correct**

That's correct! Wireframing happens early in a product lifecycle, as its primary functions are to help define the information hierarchy of a design and to plan and decide how people will interact with the user interface.

7. What does the `git clone` command do?

1 / 1 point

☐ It creates a new git repository.

☒ It creates a local copy of a remote repository.

☐ It fetches the changes from the remote repository.

✓ **Correct**

That's correct! You can create a local copy of a remote Git repository using the `git clone` command.

8. True or False: Open graph tags are required to create a valid HTML document.

1 / 1 point

☐ True

☒ False

✓ **Correct**

That's correct! Open Graph tags are not a must for web pages, but they can certainly increase the value of the content when shared on social media by providing rich metadata for social media platforms to display in the preview of the shared page.

9. Fill in the blank: React has at least one component known as the _____ component.

1 / 1 point

☐ `Origin`

☐ `Top`

☒ `Root`

✓ **Correct**

That's correct! The component is known as the `Root` or `App` component.

10. Which of the following hooks can be used to track state in a React app? Select all that apply.

1 / 1 point

☒ `useReducer`

✓ **Correct**

That's correct! The `useReducer` hook can be used to track complex application state.

☐ `useEffect`

☒ `useState`

✓ **Correct**

That's correct! The `useState` hook can be used to track simple state objects.

11. True or False: It is essential to provide a unique key for each list item when rendering a list in React.

1 / 1 point

- ☒ True
☐ False

✓ Correct

That's correct! In React, it is important to provide a unique key prop for each element in a list to help React identify which elements have changed, been added or been removed.

12. Which of the following options will create a 4-column grid using CSS grid?

1 / 1 point

- ☐ `display: inline-block; grid-template-columns: repeat(4,200px);`
☐ `display: block; grid-template-columns: repeat(4,200px);`
☐ `display: flex; grid-template-columns: repeat(4,200px);`
☒ `display: grid; grid-template-columns: repeat(4,200px);`

✓ Correct

That's correct! To create a grid using CSS grid, you should use the display property with a value of grid and set the grid-template-columns property to specify the number and size of the columns. The repeat function can be used to create multiple columns of the same size.

13. At which stage of the UX design process do you put yourself in the user's situation to get a better understanding of their requirements?

1 / 1 point

- ☒ Empathize
☐ Define the problem
☐ Ideation
☐ Prototype

✓ Correct

That's correct! In this stage of the UX design process you'll want to listen carefully to the user's frustrations through interviews, and from this research a persona can be created.

14. Which one of the following shows the correct syntax for printing the value of robot in the code snippet below?

1 / 1 point

```
var secretProject = { robot: 'T1000' };
```

- ☐ `console.log(secretProject.get(robot));`
☐ `console(secretProject.robot);`
☒ `console.log(secretProject.robot);`
☐ `console.log(secretProject{robot});`

✓ Correct

That's correct! Accessing a value in this way is known as the dot notation.

15. What will be the output of the following code?

1 / 1 point

```
1 var dog = {};  
2 dog.breed = 'labrador';  
3 dog.ageInDogYears = 14;  
4 dog.fetch = function() { console.log('The dog fetched the stick!') }  
5 dog.fetch();  
6
```

- ☐ undefined
☐ Nothing because the object method is declared incorrectly.
☐ Nothing because an object cannot have methods.
☒ 'The dog fetched the stick!'

✓ Correct

That's correct! Objects can have methods and one way to declare them is in the example above.

16. What will be the output of the following code?

1 / 1 point

```
1 var dataType = typeof('what is my type?');
2 console.log(dataType);
3
```

- ☐ object
- ☐ undefined
- ☒ string
- ☐ number

✓ Correct

That's correct! The `typeof()` function will return the data type of what is passed into it. In this case it was passed in a string.

17. In programming, which paradigm separates data and functionality?

1 / 1 point

- ☐ Imperative programming
- ☒ Functional programming
- ☐ Declarative programming
- ☐ Object-oriented programming

✓ Correct

That's correct! In functional programming data and functionality are kept separate such that something is only computed when data is passed into a function.

18. What will be the output of the following code?

1 / 1 point

```
1 console.log(rabbit);
2 let rabbit = 'Thumper';
3
```

- ☐ 'Thumper'
- ☐ undefined
- ☐ null
- ☒ Uncaught ReferenceError

✓ Correct

That's correct! Because the variable `cat` has been declared using the `var` keyword at some point in the code there will be no error when trying to print it out.

19. What is wrong with the following code?

1 / 1 point

```
1 var house = {
2   doors: 8,
3   garage: 'Yes'
4 }
5
6 console.log(Object.keys(house));
7
```

- ☒ ['doors', 'garage']
- ☐ undefined
- ☐ { 'doors', 'garage' }
- ☐ 'doors'

`'garage'`

✓ **Correct**

That's correct! The `Object.keys()` method returns all the keys of an object as an array.

20. Which type of component takes in its current value as a prop and a callback to change it?

1 / 1 point

- ☐ Formatted component
- ☐ Uncontrolled component
- ☐ HTML component
- ☒ Controlled component

✓ **Correct**

That's correct! Instead of letting the DOM maintain the state, a controlled component handles state itself by using the `useState` hook.

21. What is the default behavior of React rendering?

0 / 1 point

- ☐ React only renders child components associated with the parent component.
- ☐ React will only render the component and not any children associated with it.
- ☐ React will recursively re-render all of a component's children when the component renders.
- ☒ React will recursively re-render all of a component's children when the component renders depending on props and context.

✗ **Incorrect**

Not quite! Please review the reading [How re-rendering works with context](#).

22. In React, when would you want to write your own custom hook instead of using one already built-in?

1 / 1 point

- ☒ When you want to reuse a piece of functionality.
- ☐ To rename one of the built-in hooks.
- ☐ When you face errors using the built-in hooks.
- ☐ You should not write your own custom hooks.

✓ **Correct**

That's correct! Writing your own custom hooks can reduce duplicated code and allow you to use them across many React projects or multiple places in the same project.

23. Using CSS, which one of the following is the correct way to place some text in the center of the enclosing HTML element?

1 / 1 point

- ☐ `text: center;`
- ☐ `text: middle;`
- ☒ `text-align: center;`
- ☐ `alignment: center;`

✓ **Correct**

That's correct! Using the `text-align` property with the value of center will align the text in the center of the enclosing HTML element.

24. Which one of the following is true about inline elements?

1 / 1 point

- ☐ They occupy the full width of the parent element.
- ☐ They occupy the full height of the parent element.
- ☒ They only occupy the width and height of their content.
- ☐ They appear on a new line.

✓ **Correct**

That's correct! inline elements will only occupy enough space to fit the content and will not appear on a new line.

25. Which one of the following protocols allows you to login and interact with computers remotely?

1 / 1 point

- ☐ Post Office Protocol (POP)
- ☐ File Transfer Protocol (FTP)
- ☒ Secure Shell Protocol (SSH)
- ☐ Simple Mail Transfer Protocol (SMTP)

✓ Correct

That's correct! The SSH protocol allows you to securely connect to a computer and run commands as if you were sitting in front of the computer and using its command line interface.

26. One of the design element principles is direction, what is this principle concerned with?

1 / 1 point

- ☐ Using color to create moods and atmosphere.
- ☐ The space between elements that forms its own shape.
- ☒ Guiding the users gaze to different parts of the page.
- ☐ Adding depth and effects to a design.

✓ Correct

That's correct! This lets the design control the flow of the page and draw attention to specific parts of the design.

27. Fill in the blank: In design systems, _____ contain technical and functional documentation and patterns provide recommendations on how to use it.

1 / 1 point

- ☒ components
- ☐ blocks
- ☐ assets
- ☐ principles

✓ Correct

That's correct! Components are the functional building blocks while patterns are the blueprint.

28. How can a JavaScript expression be passed as a children prop?

1 / 1 point

- ☐ Using an anonymous function.
- ☐ A JavaScript expression cannot be passed as a children prop.
- ☐ Using `[]`
- ☒ Using `{ }`

✓ Correct

Feedback: That's correct! Using curly braces enables us to write JavaScript expressions inside them which are interpreted.

29. As part of the development process a CI pipeline is used to ensure newly pushed code still builds and passes tests. In this context, what does CI stand for?

1 / 1 point

- ☐ Constant Integration
- ☐ Continuous Ingress
- ☒ Continuous Integration
- ☐ Careful Integration

✓ Correct


That's correct! Continuous Integration is a great tool for automating builds and tests as part of the Continuous Delivery process.


30. Which one of the following describes an invalid use of a hook?

0 / 1 point

- ☐ Using a hook inside a conditional statement.
- ☐ Using a hook from the top level of a React component function.

- ☐ Calling multiple state or effect hooks.
- ☒ Using a hook from inside a React component function.

 **Incorrect**

Not quite! Please review the video [What are the rules of hooks?](#) .