

Your grade: 90%

Your latest: 90% • Your highest: 90% • To pass you need at least 80%. We keep your highest score.

Next item →

1. Which of the following are HTML Inline Elements? Select all that apply.

1 / 1 point

☒ ``

✓ Correct

That's correct! The `` tag is an Inline Element in HTML used to group elements together.

☐ `<p>`

☐ `<div>`

☒ `<input>`

✓ Correct

That's correct! The `<input>` tag is an Inline Element in HTML used to create interactive controls.

2. What is the first parameter you pass to the `addEventListener()` method?

1 / 1 point

- ☐ A function that will handle the event.
- ☐ An optional Boolean value to use either event bubbling or event capturing.
- ☒ A string describing the type of event, such as `click`.
- ☐ The target of the event.

✓ Correct

That's correct! The first argument to pass to the `addEventListener()` method is the type of the event you're listening for, such as `click`.

3. Which of the following options can you use to clone a `GitHub` repository? Select two that apply.

1 / 1 point

☒ You can use the `git clone` command in the Git terminal.

✓ Correct

That's correct! The `git clone` command creates a copy in the local repository.

☐ You can download a GitHub repository as a PDF file.

☐ You can clone a GitHub repository with GitHub's web interface.

☒ You can clone a GitHub repository with the GitHub Desktop app.

✓ Correct

That's correct! You can use the GitHub Desktop app to perform push and pull operations.

4. Which of the following elements can you find in a user story for a website? Select all that apply.

1 / 1 point

☐ A detailed list of requirements.

☒ A user's need or goal.

✓ Correct

That's correct! User stories assist in documenting helpful information about users, such as the various needs and motivations for using a website or app.

☒ A feature of the website written from the perspective of the user.

✓ Correct

That's correct! User stories can contain an informal explanation of a website feature written from the perspective of the user using the website or app.

☐ A user's personal information.

5. When designing a website using CSS grid, what code can you use to design three columns where the second column uses twice the space as the other two?

0 / 1 point

☒ `grid-template-columns: 1fr 2fr 1fr;`

☐ `grid-auto-columns: auto;`

☐ `grid-column-gap: 2fr;`

⌵

☐ `grid-template-columns:1fr2fr1fr;`

☒ **Incorrect**

Not quite! Please review the video [CSS grids](#).

6. When does wireframing happen in the project lifecycle?

1 / 1 point

- ☐ In the middle of the project lifecycle.
- ☒ Early in the project lifecycle.
- ☐ Towards the end 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. True or False: The `git fetch` command creates a local copy from a remote git repository.

0 / 1 point

- ☒ True
- ☐ False

☒ **Incorrect**

Not quite! Please review the video [Creating and cloning a repository](#).

8. Which of the following is not a valid Open Graph meta tag?

1 / 1 point

- ☐ `<meta property="og:image" content="image.jpg">`
- ☒ `<meta property="og:keywords" content="keyword1, keyword2">`
- ☐ `<meta property="og:description" content="Page Description">`
- ☐ `<meta property="og:title" content="Page Title">`
- ☐ `<meta property="og:url" content="https://example.com/page">`

☒ **Correct**

That's correct! There is no `og:keywords` tag in the Open Graph protocol. The `og:keywords` tag is not a valid Open Graph tag.

9. In the following component, which element is the top-level element?

1 / 1 point

```
1 function List(props) {  
2   return ( <> <ul> <li>{props.first}</li> </ul> </> )  
3 }  
4
```

- ☒ `<>`
- ☐ ``
- ☐ ``

☒ **Correct**

That's correct! The React fragment is the top-level element of the component. React fragments are useful for letting you group lists of children without adding extra nodes to the DOM.

10. Which of the following hooks should be used to fetch data from an API in a React app?

1 / 1 point

- ☒ `useEffect`
- ☐ `useState`
- ☐ `useReducer`

☒ **Correct**

That's correct! `useEffect` is best used for side effects such as fetching data from API, updating the DOM or fetching resources.

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: grid; grid-template-columns: repeat(4,200px);`
☐ `display: block; grid-template-columns: repeat(4,200px);`
☐ `display: flex; 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 are ideas and solutions generated for the identified problem?

1 / 1 point

- ☐ Prototype
☒ Ideation
☐ Test and Build
☐ Empathize

✓ **Correct**

That's correct! During this stage of the UX design process ideas are generated through various processes such as brainstorming, mind mapping, sketching, etc.

14. Which one of the following is a valid object in JavaScript?

1 / 1 point

- ☒ `var anObject = { 'car': 'ford' };`
☐ `var anObject = ['car': 'ford'];`
☐ `var anObject = new Object['car' : 'ford'];`
☐ `var anObject = 'car': 'ford';`

✓ **Correct**

That's correct! The curly braces here are known as the object literal syntax. This object has a key value pair where car is the key and ford is the value.

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

1 / 1 point

```
1 var shoe = {};  
2 shoe.type = 'sneaker';  
3 shoe.brand = 'Nike';  
4 shoe.info = function () { console.log('Nike sneaker') }  
5 console.log(shoe.info)  
6
```

- ☐ `[Function (info)]`
☒ `[Function (anonymous)]`
☐ `'Nike sneaker'`
☐ `undefined`

✓ **Correct**

That's correct! The code will output the function signature. Since the function hasn't been declared with a name, it is considered to be an anonymous function.

16. What is the purpose of the `typeof()` function?

1 / 1 point

- ☐ To cast a variable to a different type.
☐ To return true if a variable matches the data type of the second argument passed into it.
☒ To check the type of a variable.

✓ Correct

That's correct! The `typeof()` function will return the data type of the variable passed into it.

17. In programming, which paradigm groups data and functionality as properties and methods?

1 / 1 point

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

✓ Correct

That's correct! Object-oriented programming makes use of objects to group related data and functionality. Methods update property values rather than returning new values.

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

1 / 1 point

```
1 console.log(cat);
2 var cat = 'Tabby cat';
3
```

- ☐ `null`
- ☒ `undefined`
- ☐ `Uncaught TypeError`
- ☐ `'Tabby cat'`

✓ 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 farm = {
2   animals: 15,
3   farmers: 3
4 }
5
6 for (prop of farm) {
7   console.log(prop);
8 }
9
```

- ☒ An object is not iterable.
- ☐ The `forEach()` method should be used on the object.
- ☐ The object has been instantiated with `{}` instead of `[]`.
- ☐ The code is correct.

✓ Correct

That's correct! In JavaScript, objects are not iterable, so a `for of` loop will not work here.

20. When implementing a form in React, which type of components are recommended to be used?

1 / 1 point

- ☐ Docile component
- ☐ Uncontrolled component
- ☐ Volatile component
- ☒ Controlled component

✓ Correct

That's correct! React recommends using controlled components when implementing forms as these are stateful.

21. What is the default behavior of React rendering?

1 / 1 point

- ☒ React will recursively re-render all of a component's children when the component renders.
- ☐ 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 depending on props and context.
- ☐ React only renders child components associated with the parent component.

✓ **Correct**

That's correct! This is the default behavior, regardless of **props** or context.

22. Which one of the following is true about naming custom hooks?

1 / 1 point

- ☐ It must have a name that ends with Log.
- ☐ It must have a name that begins with an underscore.
- ☒ It must have a name that begins with use.
- ☐ It must at most be 12 characters long.

✓ **Correct**

That's correct! When making your own custom hooks in React the name must start with use.

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: middle;`
- ☐ `alignment: center;`
- ☐ `text: center;`
- ☒ `text-align: 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 block elements?

1 / 1 point

- ☐ They only occupy the height of their content.
- ☐ They do not appear on a new line.
- ☐ They only occupy the width and height of their content.
- ☒ They occupy the full width and height of the parent element.

✓ **Correct**

That's correct! block elements will occupy the full width and height of the parent element, and appear on a new line, like a stack of boxes.

25. Which one of the following internet protocols lets your computer know which IP to communicate with when visiting websites?

1 / 1 point

- ☐ File Transfer Protocol (FTP)
- ☐ Post Office Protocol (POP)
- ☒ Domain Name System Protocol (DNS)
- ☐ Simple Mail Transfer Protocol (SMTP)

✓ **Correct**

That's correct! The DNS protocol tells your computer which IP address to communicate with by checking the DNS server associated with the domain name.

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

✓ **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

are the building instructions that allow you to use components

1 / 1 point

27. In the realm of design systems, _____ are the guiding instructions that allow you to use components logically and consistently across all products.

4 / 4 points

- ☐ components
- ☐ assets
- ☒ patterns
- ☐ principles

✓ **Correct**

That's correct! Patterns are the blueprint for the design, and the component contains the functionality.

28. What will be rendered by the child element in the following code snippet?

0 / 1 point

```
1 <div>{true}</div>
```

- ☒ **true**
- ☐ {}
- ☐ nothing
- ☐ **undefined**

✗ **Incorrect**

Not quite! Please review the reading [Types of Children](#).

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 Integration
- ☐ Continuous Ingress
- ☐ 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?

1 / 1 point

- ☐ Using a hook from inside a React component function.
- ☐ Using a hook from the top level of a React component function.
- ☒ Using a hook inside a conditional statement.
- ☐ Calling multiple state or effect hooks.

✓ **Correct**

That's correct! Using a hook inside a conditional statement would produce an invalid hook call error.