

Module quiz: Project foundations

1. What is the advantage of using the `<nav>` tag over a `<div>` tag?

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- ☐ The `<nav>` tag is faster to render.
- ☐ The `<nav>` tag has better browser support.
- ☐ The `<nav>` tag has better styling options.
- ☒ The `<nav>` tag is more semantically correct.

✓ **Correto**

That's correct. The `<nav>` tag is a semantic HTML element that is specifically designed to represent a section of a page that contains navigation links. Using the `<nav>` tag helps to improve the semantics of your HTML and make your code more understandable to both humans and machines.

2. What are the benefits of semantic HTML? Select all that apply.

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☒ Improves accessibility

✓ **Correto**

That's correct. Using semantic HTML elements helps to improve the accessibility of a website or application by providing additional context and meaning to the content. This can make it easier for screen readers and other assistive technologies to understand and navigate the page.

☐ Allows for more styling options

☒ Improves SEO

✓ **Correto**

That's correct. Search engines use the structure and content of a website to understand its relevance and quality. Using semantic HTML elements can help search engines to better understand the content of a page and improve its ranking in search results.

☒ Makes the code easier to read and understand

✓ **Correto**

That's correct. Using semantic HTML elements helps to make the code more meaningful and easier to read and understand, both for humans and for machines. This can make it easier to maintain and update the code over time.

☐ Improves performance

3. Choose the correct Open Graph value for the name attribute in the code below:

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```
1 <meta name="" content="https://meta.com/logo.png"/>
```

☐ `og:description`

☒ `og:image`

☐ `og:title`

✓ **Correto**

That's correct. The value of the name attribute should be `og:image`.

4. Which of the following are valid values for the CSS display property? Select all that apply.

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☒ `grid`

✓ **Correto**

Correct. The `grid` value is a valid value of the CSS display property.

☐ `float`

☒ flex

☒ Correto

Correct. The `flex` value is a valid value of the CSS display property.

5. Which of the following CSS selectors is an example of an adjacent sibling selector?

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☐ `div > p`

☐ `div p`

☒ `div + p`

☒ Correto

That's correct. This selector is an example of the adjacent sibling selector. It targets the `<p>` element that immediately follows a `<div>` element.

6. When should you use the pseudo-class selectors?

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☒ You want to select elements based on their state.

☐ You want to select elements that are wrapping other elements.

☐ You want to select elements that are wrapped by other elements.

☒ Correto

That's correct. Pseudo-class selectors allow you to select elements based on their state, such as `hover`, `focus` and `active`. These selectors are useful for styling elements when they are in a specific state or interacting with the user.

7. Which of the following relative units would be appropriate to use when the dimensions of the viewport (web page area that the user is viewing) are important? Choose all that apply.

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☒ `vh`

☒ Correto

That's correct. The unit of `vh` stands for viewport height and is equal to 1% of the height of the viewport. It is an appropriate unit of measure when the dimensions of the viewport are important.

☐ `%`

☐ `em`

☒ `vw`

☒ Correto

That's correct. The unit of `vw` stands for viewport width and is equal to 1% of the width of the viewport. It is an appropriate unit of measure when the dimensions of the viewport are important.

☐ `rem`

8. HTML event attributes are lowercased; React event attributes are camelCased

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☒ True

☐ False

☒ Correto

That's correct. In HTML, event attributes are lowercased, such as `onclick` or `onmouseover`. In React, event attributes are camelCased, such as `onClick` or `onMouseOver`.

9. What is prop in a react component?

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☐ A property of a component's state

☐ A way to modify the component's state

☐ A way to handle user input

☒ A way to pass data from a parent component to a child component

☒ **Correto**

That's correct. In React, props (short for properties) are a way to pass data from a parent component to a child component. Props are a way for the parent component to communicate with and pass data to the child component, which can then use the data to render its content.

10. True or false: The following is a valid JSX code:

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```
1 <span>{10+16}</span>
```

☒ True

☐ False

☒ **Correto**

That's correct. This is a valid JSX code. The curly braces within the JSX code are used to insert JavaScript expressions and the expression `10+16` is a valid JavaScript expression that evaluates to 26.