Final graded quiz

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

   ☐ `<p>`

   ☑ `<span>`

   ⊘ **Correto**
   Correct. The `<span>` element is an Inline Element in HTML.

   ☑ `<input>`

   ⊘ **Correto**
   Correct. The `<input>` element is an Inline Element in HTML.

   ☐ `<div>`

2. What is required by JavaScript when creating a function declaration? **1 / 1 ponto**

   ⦿ The function name

   ○ The name of an argument you want to pass to the function

   ○ The assignment operator

   ⊘ **Correto**
   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 ponto**

   ○ `git commit`

   ⦿ `git push`

   ○ `git pull`

   ○ `git clone`

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

4. Which of the following elements can you find in a user story for a website? Select all that apply. **0 / 1 ponto**

   ☑ A detailed list of requirements

   ⊗ **Não deve ser selecionado**
   Not quite. Please review the lesson item: **Empathy tools: Artifacts in the UX process** from the **Principles of UX and UI design** course.

   ☑ A users need or goal

   ⊘ **Correto**
   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

   ☑ A user's personal information

   ⊗ **Não deve ser selecionado**
   Not quite. Please review the lesson item: **Empathy tools: Artifacts in the UX process** from the **Principles of UX and UI design** course.

5. What is the purpose of Semantic HTML? **1 / 1 ponto**

   ○ Semantic HTML creates a generic container-like structure to group related content together.

○ Semantic HTML is used to describe information about the webpage.

◉ Semantic HTML is a way to describe the meaning of your web page through specific tags.

✓ **Correto**
Correct. You use semantic tags to describe the meaning of your web page, for example, `<header>`, `<nav>` and `<footer>`.

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6. When does wireframing happen in the project lifecycle?

1 / 1 ponto

◉ Early in the project lifecycle

○ In the middle of the project lifecycle

○ Towards the end of the project lifecycle

✓ **Correto**
Correct. Wireframing happens early in a product lifestyle, 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.

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7. Which command is used to create a local copy of a remote Git repository?

1 / 1 ponto

○ `git fetch`

○ `git pull`

○ `git init`

◉ `git clone`

✓ **Correto**
That's correct. With this `git clone` command, you can create a local copy of a remote Git repository.

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

1 / 1 ponto

○ `<meta property="og:image" content="image.jpg">`

○ `<meta property="og:title" content="Page Title">`

○ `<meta property="og:url" content="https://example.com/page">`

○ `<meta property="og:description" content="Page Description">`

◉ `<meta property="og:keywords" content="keyword1, keyword2">`

✓ **Correto**
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.

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9. In React, which direction does data flow between parent and child components?

1 / 1 ponto

◉ One-way

○ Two-way

✓ **Correto**
That's correct. Data flow is unidirectional via props.

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10. Which of the following hooks is most appropriate for tracking **complex** application state in React?

1 / 1 ponto

○ `useState`

◉ `useReducer`

○ `useEffect`

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

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

⦿ True

◯ False

⊘ **Correto**
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. Without a key, React will not be able to efficiently update the list and may cause performance issues or unexpected behavior.

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

⦿ `display: grid;`
`grid-template-columns: repeat(4,200px);`

◯ `display: flex;`
`grid-template-columns: repeat(4,200px);`

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

◯ `display: block;`
`grid-template-columns: repeat(4,200px);`

⊘ **Correto**
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, as in the example given: `grid-template-columns: repeat(4,200px)` will create a grid with four columns, each 200 pixels wide.