Course 1 Assessment: Introduction to Web Development

1. In the client/server model, is the web browser a client or a server?　　　　　　　　　　　　**1 / 1 ponto**

    ◉ Client

    ○ Server

    ⊘ **Correto**
    Well done. In the client/server model, the web browser is a client.

2. In the web browser, what is the role of JavaScript?　　　　　　　　　　　　**1 / 1 ponto**

    ○ To describe the content of the web page

    ◉ To provide interactivity and data processing

    ○ To describe the visual look and layout

    ⊘ **Correto**
    Well done. JavaScript allows developers to process user interaction and data.

3. Which of the following is TCP suitable for transmitting? Select all that apply.　　　　　　　　　　　　**0 / 1 ponto**

    ☑ Text

    ⊘ **Correto**
    Well done. TCP's reliable delivery is suitable for text content such as HTML documents.

    ☑ Video Streaming

    ⊗ **Não deve ser selecionado**
    Not quite. Revise Module 1 Lesson 3 "Core Internet Technlogies".

    ☑ Voice Calls

    ⊗ **Não deve ser selecionado**
    Not quite. Revise Module 1 Lesson 3 "Core Internet Technlogies".

    ☑ Images

    ⊘ **Correto**
    Well done. TCP's reliable delivery is suitable for image content such as photos.

4. What will display on the web page inside the web browser for the following HTML document?　　　　　　　　　　　　**1 / 1 ponto**

    ```
     1
     2   <!DOCTYPE html>
     3   <html>
     4   <head>
     5       <title>Little Lemon</title>
     6   </head>
     7   <body>
     8       <p>Our Menu</p>
     9   </body>
    10   </html>
    11
    ```

    ○ Little Lemon

    ◉ Our Menu

    ⊘ **Correto**
    Well done. The content inside the body element displays on the web page.

5. A hyperlink is used to link to other documents and content. Which of the following is the correct way to use a hyperlink?　　　　　　　　　　　　**1 / 1 ponto**

```
1
2    <anchor src="dog.htm">My Dog</anchor>
3    <a href="cat.html">My Cat</a>
4    <a src="mouse.html">My Mouse</a>
5
```

○ <anchor src="dog.htm">

◉ <a href="cat.html">

○ <a src="mouse.html">

✓ **Correto**
Well done. A hyperlink is defined using the anchor (a) tag and the href attribute.

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6. In the following CSS rule, what part of the rule is represented by *div*?   **1 / 1 ponto**

```
1
2    div {
3        width: 50%;
4    }
5
```

○ Property

◉ Selector

○ Attribute

✓ **Correto**
Well done. The CSS selector is the part of the rule represented by *div*.

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7. What is the border-box width for the following CSS rule?   **1 / 1 ponto**

```
1
2    div {
3        width: 10px;
4        padding-left: 5px;
5        padding-right: 5px;
6        border-width: 5px;
7        margin-left: 10px;
8        margin-right: 10px;
9    }
10
```

○ 20 pixels

○ 25 pixels

◉ 30 pixels

○ 50 pixels

✓ **Correto**
Well done. The border-box width is the content width + padding width + border width.

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8. A responsive web page adapts its layout to provide the best user experience based on a user's device. The point at which it adapts is known as the   **1 / 1 ponto**
_____.

○ Design Point

◉ Breakpoint

○ Box Point

✓ **Correto**
Well done. The responsive breakpoint is the point at which the web page will adapt its layout to provide the best user experience.

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9. In the following HTML, the *btn-primary* CSS class is applied to the button element. What is this CSS class known as in Bootstrap?   **0 / 1 ponto**

```
1
2    <button class="btn btn-primary">Submit</button>
3
```

○ Infix

○ Modifier

○ Component

⊗ **Incorreto**
Not quite. Revise Module 3 Lesson 1 "Introduction to UI Frameworks".

10. React stores a representation of the browser DOM in memory. What is this representation called?   **1 / 1 ponto**

● The Virtual DOM

○ The Memory DOM

○ The Copy DOM

⊘ **Correto**
Well done. The virtual DOM is used to represent the browser DOM in memory.

```
1
2    <button class="btn btn-primary">Submit</button>
3
```