WGU Web Development Applications Accurate Questions & Web-Development-Applications Training Material & WGU Web Development Applications Study Torrent

WGU C777 Web Development Applications Pre-Assessment, Questions and answers, 100% Accurate.

The HTML5 specification for the <audio> element does not require a specific audio codec to be supported, but it does support three audio formats: MP3, Ogg and WAV.

Which major browser supports all three audio formats? - ✓✓-Chrome

You are developing pages for your company's Web site. You create an HTML5 search field using the following code:

<input type="search" name="search">

When you test the page on various browsers, the first browser supports the new input type and displays the search field. The second browser does not support this new input type and gracefully degrades. What type of field does the second browser display? - ✓✓-A text box

Kwan is using JavaScript extensively to add interactivity to his Web site. Contained within his script is a counter object that calculates a date based on a number input by the user.

Which term describes the calculation process that Kwan's counter object performs? - ✓✓-Method

The HTML5 File API can be used to: - ✓✓-create preview thumbnail images during image uploads

What is the basic code you would need to define a named function that returns a value? - ✓✓-function myFunction() { return value; }

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WGU Web-Development-Applications Exam Syllabus Topics:

Topic	Details

Topic 1	• Validation, Testing, and Form Development: This section of the exam measures skills of Web Developers and covers the ability to validate code, test web pages for accuracy, and build form components. It includes understanding how to detect errors, ensure compliance with standards, and implement form fields with inline validation to improve user experience. The focus is on creating forms that work reliably, meet usability expectations, and maintain proper data entry flow.
Topic 2	• Creating Adaptive Web Documents and Pages: This section of the exam measures skills of Front-End Designers and covers the techniques needed to make websites display correctly across traditional desktops and mobile devices. It emphasizes adaptive page layout, flexible formatting, and user-friendly presentation so that content remains readable and functional on screens of different sizes. Candidates are expected to show an understanding of how to create consistent designs that respond smoothly to device changes.
Topic 3	• Responsive Web Design (RWD) for Browsers and Apps: This section of the exam measures skills of Front-End Designers and covers concepts related to mobile-first layout planning, responsive frameworks, and techniques used to ensure compatibility with modern browsers and applications. Candidates must demonstrate how to adjust elements for better usability on mobile devices and apply responsive strategies that allow a single design to function seamlessly across various environments.
Topic 4	• HTML5, CSS3, and JavaScript Foundations: This section of the exam measures skills of Web Developers and covers the essential ability to manually code using HTML5, CSS3, and JavaScript to create structured, visually styled, and interactive web content. It focuses on building accurate page layouts, applying modern styling rules, and writing basic scripts that support user interaction. The aim is to ensure candidates can construct professional web documents using current standards and properly integrate all three technologies.

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WGU Web Development Applications Sample Questions (Q120-Q125):

NEW QUESTION # 120
What is the purpose of cascading style sheets (CSSs)?

- A. Changing the content of a web page dynamically
- B. Providing functionality that was previously provided by plug-ins
- C. Structuring and describing web page content
- D. Setting rules to define how page content looks when rendered

Answer: D

Explanation:
Cascading Style Sheets (CSS) are used to control the presentation of web pages, including aspects such as layout, colors, fonts, and other visual styles. They are a cornerstone technology of the World Wide Web, along with HTML and JavaScript. Here's a detailed breakdown:
* Purpose of CSS: CSS is designed to enable the separation of document content (written in HTML or a similar markup language) from document presentation, including elements such as the layout, colors, and fonts. This separation can improve content

accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting, and reduce complexity and repetition in the structural content.
* Setting Visual Rules: CSS allows developers to define rules that specify how different elements of a web page should be displayed. For example, CSS rules can change text color, font size, spacing between elements, and even the overall layout of the web page. These rules are applied by the browser to render the web page according to the defined styles.
* Cascading Nature: The term "cascading" in CSS refers to the process of combining multiple style sheets and resolving conflicts between different CSS rules. This allowsdevelopers to use different sources of style information, which can be combined in a hierarchical manner. For instance, a browser style sheet, an external style sheet, and inline styles can all contribute to the final rendering of a web page.
* Benefits of CSS:
* Consistency: By using CSS, developers can ensure a consistent look and feel across multiple web pages.
* Maintainability: CSS makes it easier to update the visual presentation of a web page without altering the HTML structure. This is particularly useful for maintaining large websites.
* Reusability: CSS rules can be reused across multiple pages, reducing redundancy and making it easier to implement changes globally.
* Examples of CSS:
css
Copy code
body {
background-color: lightblue;
}
h1 {
color: navy;
margin-left: 20px;
}
In this example, thebodyelement is given a light blue background color, and theh1element is styled with a navy color and a left margin of 20 pixels.
:
MDN Web Docs on CSS
W3C CSS Specifications

NEW QUESTION # 121
What allows a scripting language to manipulate elements on a web page?

- A. XML
- B. DOM
- C. CSS
- D. HTML

Answer: B

Explanation:
The Document Object Model (DOM) is an API for HTML and XML documents that defines the logical structure of documents and the way a document is accessed and manipulated.
* DOM Explanation:
* The DOM represents the page so that programs can change the document structure, style, and content.
* It provides a way for scripts to update the content, structure, and style of a document while it is being viewed.
* Explanation:
* Option A: CSS is incorrect because it is used for styling web pages.
* Option B: XML is incorrect because it is a markup language, not an API for manipulating web page elements.
* Option C: HTML is incorrect because it is the markup language used to create web pages, not an API for manipulation.
* Option D: DOM is correct because it allows a scripting language to manipulate elements on a web page.
:
MDN Web Docs - DOM
W3Schools - JavaScript HTML DOM

NEW QUESTION # 122
Given the following JavaScript code:

```javascript
var n1 = 10;
var n2 = "20.39";
```

Which function should a developer use to convert the content of the variable `n2` from a string to a number while keeping the decimal places?

- A. isNaN
- B. parseFloat
- C. toUpperCase
- D. parseInt

Answer: B

Explanation:
> "`parseFloat()` parses a string and returns a floating-point number. Unlike `parseInt()`, it retains the decimal portion."
>
> Example:
```javascript
parseFloat("20.39") // returns 20.39
```
* `parseInt()` would return `20`
* `isNaN()` checks if a value is Not-a-Number
* `toUpperCase()` is for string case conversion
References:
* MDN Web Docs: parseFloat()
* JavaScript Number Conversion Functions

Here are the verified and properly formatted answers for Questions 41 to 44, following your requested structure:

NEW QUESTION # 123
Given the following code:

What does the console display as output?

- A. 0
- B. 1
- C. 2

Answer: A

Explanation:
Given the code segment:
var a = "8";
var b = "6";
var c = a + b;
console.log(c);
This code concatenates two strings.
* Explanation:
* var a = "8";: Variableais assigned the string"8".
* var b = "6";: Variablebis assigned the string"6".
* var c = a + b;: The+operator concatenates the two strings, resulting in"86".
* console.log(c);: Outputs the value ofcto the console.
* Output:
* The console displays"86"because it concatenates the two string values.
:
MDN Web Docs - String

W3Schools - JavaScript String

NEW QUESTION # 124
Which markup ensures that the data entered are either a five-digit zip code or an empty string?

- A. <input type="number" value="s"
- B. <input pattern=/\d(5)">
- C. Input class =" (0-9) (5)">
- D. Input required min="s" max="s"

Answer: B

Explanation:
The pattern attribute in the<input>element is used to define a regular expression that the input value must match for it to be valid. The pattern\d{5}ensures that the data entered is either a five-digit zip code or an empty string (if therequiredattribute is not used).
* Pattern Explanation:
* \d{5}: Matches exactly five digits.
* This ensures that only a five-digit number or an empty string (if not required) is valid.
* Usage Example:
<input type="text" pattern="\d{5}" placeholder="Enter a 5-digit zip code"> This ensures that the input matches a five-digit zip code.
:
MDN Web Docs onpattern
Regular Expressions Documentation

NEW QUESTION # 125
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