

# Free PDF Quiz Useful WGU - New Web-Development-Applications Exam Dumps

**WGU C777 WEB DEVELOPMENT**  
**APPLICATIONS EXAM ACTUAL**  
**2025/2026 QUESTIONS AND 100%**  
**CORRECT ANSWERS**

HTML5, CSS, JavaScript - Answer - The web development trifecta

main - Answer -HTML5 tag defining the main body of a document. Cannot be the child of the header, nav, article, aside, or footer elements.

header and footer - Answer -These elements can also be included in article, aside, nav, main, and section elements, not just on the page itself

source - Answer -This element identifies the file(s) to use in a video or audio element

style guide - Answer -A set of standards for the writing and/or design of documents

IE9 - Answer -This version of IE is the first to support HTML5

Add them via JS, make them block via CSS - Answer -What should you do to support HTML5 elements in pre-IE9 browsers.

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## WGU Web-Development-Applications Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>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.</li> </ul>

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### WGU Web Development Applications Sample Questions (Q49-Q54):

#### NEW QUESTION # 49

Given the following code:

```
'''javascript
var data;
'''
```

What is the value of `data` when the code runs?

- A. Null
- B. A single character
- C. An empty string
- D. Undefined

**Answer: D**

Explanation:

> "In JavaScript, any variable declared but not assigned a value is automatically set to 'undefined'." Example:

```
'''javascript
var data;
console.log(data); // undefined
'''
```

References:

- \* MDN Web Docs: undefined
- \* JavaScript Guide: Variables

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## NEW QUESTION # 50

Which global attribute prepares an element for input when a page loads?

- A. form
- B. for
- C. **autofocus**
- D. required

**Answer: C**

Explanation:

> 'The `autofocus` global attribute specifies that the element should automatically get focus when the page loads.'

>

> This is commonly used on input elements to direct the user's cursor to a particular field immediately.

Example:

```
```html
<input type="text" autofocus>
````
```

References:

- \* MDN Web Docs: [autofocus attribute](#)
- \* HTML Living Standard: [Global attributes](#)

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## NEW QUESTION # 51

What allows a scripting language to manipulate elements on a web page?

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

**Answer: C**

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.

\* References:

- \* MDN Web Docs - [DOM](#)
- \* W3Schools - [JavaScript HTML DOM](#)

## NEW QUESTION # 52

Given the following CSS code:

□ Which portion is the rule?

- A. □
- B. □
- C. **□**
- D. □

### Answer: C

Explanation:

In CSS, a rule is composed of a selector and a declaration block. The rule is the entire part that defines how styles should be applied to elements matching the selector.

\* CSS Rule Components:

\* Selector: Identifies the HTML elements to be styled (e.g., body, .name, #item).

\* Declaration Block: Contains one or more declarations, each consisting of a property and a value, enclosed in curly braces {}.

\* Example Analysis:

\* Option A:

```
body {  
background-color: white;  
}
```

This is the full rule, consisting of the selector body and the declaration block { background-color: white; }.

\* Option B:

```
background-color: white;
```

This is just a declaration, not a complete rule.

```
background-color: white,
```

This is an incorrect declaration due to the comma, and not a complete rule.

\* Option D:

```
color: black
```

This is just a declaration, not a complete rule.

\* References:

\* W3C CSS Syntax and Basic Data Types Module Level 3

\* MDN Web Docs - CSS Syntax

### NEW QUESTION # 53

What does a computer use to read and execute JavaScript code?

- A. A validator
- B. An interpreter
- C. A virtual machine
- D. A compiler

### Answer: B

Explanation:

> "JavaScript is an interpreted programming language. The JavaScript engine within the browser (e.g., V8 for Chrome) parses and executes the JavaScript code line by line."

>

> "Though modern engines use Just-In-Time (JIT) compilation internally, JavaScript remains primarily interpreted from the developer's perspective." References:

\* MDN Web Docs: JavaScript Engine

\* ECMAScript Language Specification

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### NEW QUESTION # 54

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