



70-480

MCSA Web Applications

A Success Guide to Prepare-
Programming in HTML5 with JavaScript and CSS3

edusum.com

Table of Contents

Introduction to 70-480 Exam on Programming in HTML5 with JavaScript and CSS3	2
Microsoft 70-480 Certification Details:	2
Microsoft 70-480 Exam Syllabus:	3
70-480 Sample Questions:	5
Answers to 70-480 Exam Questions:	7

Introduction to 70-480 Exam on Programming in HTML5 with JavaScript and CSS3

Use this quick start guide to collect all the information about Microsoft Programming in HTML5 with JavaScript and CSS3 (70-480) Certification exam. This study guide provides a list of objectives and resources that will help you prepare for items on the 70-480 Programming in HTML5 with JavaScript and CSS3 exam. The Sample Questions will help you identify the type and difficulty level of the questions and the Practice Exams will make you familiar with the format and environment of an exam. You should refer this guide carefully before attempting your actual Microsoft MCSA Web Applications certification exam.

The Microsoft Programming in HTML5 with JavaScript and CSS3 certification is mainly targeted to those candidates who want to build their career in Windows domain. The Microsoft Certified Solutions Associate (MCSA) - Web Applications exam verifies that the candidate possesses the fundamental knowledge and proven skills in the area of Microsoft MCSA Web Applications.

Microsoft 70-480 Certification Details:

Exam Name	Microsoft Certified Solutions Associate (MCSA) - Web Applications
Exam Code	70-480
Exam Price	\$165 (USD)
Duration	120 min
Number of Questions	45-55
Passing Score	700 / 1000
Books / Training	20480B
Schedule Exam	Pearson VUE
Sample Questions	Microsoft Programming in HTML5 with JavaScript and CSS3 Sample Questions
Practice Exam	Microsoft 70-480 Certification Practice Exam

Microsoft 70-480 Exam Syllabus:

Topic	Details	Weights
Implement and manipulate document structures and objects	<p>Create the document structure</p> <ul style="list-style-type: none"> - Structure the UI by using semantic markup, including for search engines and screen readers (Section, Article, Nav, Header, Footer, and Aside); create a layout container in HTML <p>Write code that interacts with UI controls</p> <ul style="list-style-type: none"> - Programmatically add and modify HTML elements; implement media controls; implement HTML5 canvas and SVG graphics <p>Apply styling to HTML elements programmatically</p> <ul style="list-style-type: none"> - Change the location of an element; apply a transform; show and hide elements <p>Implement HTML5 APIs</p> <ul style="list-style-type: none"> - Implement storage APIs, AppCache API, and Geolocation API <p>Establish the scope of objects and variables</p> <ul style="list-style-type: none"> - Define the lifetime of variables; keep objects out of the global namespace; use the "this" keyword to reference an object that fired an event; scope variables locally and globally <p>Create and implement objects and methods</p> <ul style="list-style-type: none"> - Implement native objects; create custom objects and custom properties for native objects using prototypes and functions; inherit from an object; implement native methods and create custom methods 	24%
Implement program flow	<p>Implement program flow</p> <ul style="list-style-type: none"> - Iterate across collections and array items; manage program decisions by using switch statements, if/then, and operators; evaluate expressions <p>Raise and handle an event</p> <ul style="list-style-type: none"> - Handle common events exposed by DOM (OnBlur, OnFocus, OnClick); declare and handle bubbled events; handle an event by using an anonymous function <p>Implement exception handling</p> <ul style="list-style-type: none"> - Set and respond to error codes; throw an 	25%

Topic	Details	Weights
	<p>exception; request for null checks; implement try-catch-finally blocks</p> <p>Implement a callback</p> <ul style="list-style-type: none"> - Receive messages from the HTML5 WebSocket API; use jQuery to make an AJAX call; wire up an event; implement a callback by using anonymous functions; handle the "this" pointer <p>Create a web worker process</p> <ul style="list-style-type: none"> - Start and stop a web worker; pass data to a web worker; configure timeouts and intervals on the web worker; register an event listener for the web worker; limitations of a web worker 	
Access and secure data	<p>Validate user input by using HTML5 elements</p> <ul style="list-style-type: none"> - Choose the appropriate controls based on requirements; implement HTML input types and content attributes (for example, required) to collect user input <p>Validate user input by using JavaScript</p> <ul style="list-style-type: none"> - Evaluate a regular expression to validate the input format; validate that you are getting the right kind of data type by using built-in functions; prevent code injection <p>Consume data</p> <ul style="list-style-type: none"> - Consume JSON and XML data; retrieve data by using web services; load data or get data from other sources by using XMLHttpRequest <p>Serialize, deserialize, and transmit data</p> <ul style="list-style-type: none"> - Binary data; text data (JSON, XML); implement the jQuery serialize method; Form.Submit; parse data; send data by using XMLHttpRequest; sanitize input by using URI/form encoding 	26%
Use CSS3 in applications	<p>Style HTML text properties</p> <ul style="list-style-type: none"> - Apply styles to text appearance (color, bold, italics); apply styles to text font (WOFF and @font-face, size); apply styles to text alignment, spacing, and indentation; apply styles to text hyphenation; apply styles for a text drop shadow <p>Style HTML box properties</p> <ul style="list-style-type: none"> - Apply styles to alter appearance attributes (size, border and rounding border corners, outline, padding, margin); apply styles to alter graphic 	25%

Topic	Details	Weights
	<p>effects (transparency, opacity, background image, gradients, shadow, clipping); apply styles to establish and change an element’s position (static, relative, absolute, fixed)</p> <p>Create a flexible content layout - Implement a layout using a flexible box model; implement a layout using multi-column; implement a layout using position floating and exclusions; implement a layout using grid alignment; implement a layout using regions, grouping, and nesting</p> <p>Create an animated and adaptive UI - Animate objects by applying CSS transitions; apply 3-D and 2-D transformations; adjust UI based on media queries (device adaptations for output formats, displays, and representations); hide or disable controls</p> <p>Find elements by using CSS selectors and jQuery - Choose the correct selector to reference an element; define element, style, and attribute selectors; find elements by using pseudo-elements and pseudo-classes (for example, :before, :first-line, :first-letter, :target, :lang, :checked, :first-child)</p> <p>Structure a CSS file by using CSS selectors - Reference elements correctly; implement inheritance; override inheritance by using !important; style an element based on pseudo-elements and pseudo-classes (for example, :before, :first-line, :first-letter, :target, :lang, :checked, :first-child)</p>	

70-480 Sample Questions:

01. Which transformation enables you to change the size of an element?

- a) rotate
- b) skew
- c) translate
- d) scale

02. Absolute positioning positions an object relative to what?

- a) The top-left corner of the browser window.
- b) The top-left corner of its parent element.
- c) Centered inside the window.
- d) Centered inside its parent element.

03. Which iterative control syntax can guarantee that the loop is processed at least once?

- a) for...in loop
- b) while loop
- c) do...while loop
- d) for loop

04. Which of the following statements will apply a box shadow to the right and bottom edge of a div element?

- a) box-shadow: gray 5px 5px;
- b) box-shadow: gray -5px 5px;
- c) box-shadow: gray 5px -5px;
- d) box-shadow: gray -5px -5px;

05. How many web workers/subworkers can run concurrently?

- a) A multiple of four web workers including subworkers, per processor
- b) 16 workers by default, but you can change that number via self.configuration
- c) A limitless number of workers
- d) A limit of eight workers, each with a maximum of eight subworkers

06. Which of the following is false about a flexbox layout?

- a) The direction of the elements in a flexbox can be controlled with the flex-direction property.
- b) The elements layout can be configured along the layout axis using the flex-pack property.
- c) Elements in a flexbox are called flexbox items.
- d) Elements in a flexbox can be set into rows and columns.

07. In JavaScript, which of the following isn't a native object?

- a) Function
- b) Array
- c) Integer
- d) Person

08. Which of the following aren't valid sections of the AppCache manifest?

- a) Cache manifest
- b) Session manifest
- c) Network manifest
- d) Fallback manifest

09. Which of the following regular expression characters denote the end of the string?

- a) \$
- b) %
- c) ^
- d) &

10. What do you need to do to designate a page as available offline?

- a) Specify in JavaScript as document.offLine=true.
- b) Specify the manifest attribute on the form element.
- c) Specify the manifest attribute on the HTML element.
- d) Tell users to switch to offline mode using their browser. No code is required.

Answers to 70-480 Exam Questions:

Question: 01 Answer: d	Question: 02 Answer: b	Question: 03 Answer: c	Question: 04 Answer: a	Question: 05 Answer: c
Question: 06 Answer: d	Question: 07 Answer: d	Question: 08 Answer: b	Question: 09 Answer: a	Question: 10 Answer: c

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@edusum.com