



Web Design & Development

Criticality Survey 2026

CONTENT STANDARD 1.0: PROFESSIONAL ORGANIZATIONS AND LEADERSHIP

Performance Standard 1.1: Effective Leadership and Participation in Career Technical Student Organizations (CTSO) and Professional Associations

1.1.1	Explore the role of professional organizations and/or associations in the Web Design and Development Industry.	1.25
1.1.2	Define the value, role, and opportunities provided through career technical student organizations.	1.50
1.1.3	Engage in career exploration and leadership development.	1.70

CONTENT STANDARD 2.0: WEB PAGE DEVELOPMENT

Performance Standard 2.1: File Management and Directory Structure

2.1.1	Create filenames and uniform resource locator (URL) addresses following industry standard conventions.	2.45
2.1.2	Save text documents as HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) files.	2.45
2.1.3	Organize files in your web directory following industry standard conventions.	2.45
2.1.4	Identify the domain and path in a URL.	2.50
2.1.5	Explain the difference between HyperText Transfer Protocol (HTTP) and HyperText Transfer Protocol Secure (HTTPS).	2.00
2.1.6	Compare relative and absolute file paths and their applications.	2.50
2.1.7	Describe how relative paths can cause issues during deployment.	2.20

Performance Standard 2.2: HTML Structure

2.2.1	Identify tags and their functions in web design.	2.50
2.2.2	Create a basic boilerplate HTML page (e.g., <code><!DOCTYPE html></code> , <code><html></code> , <code><head></code> , <code><body></code>).	2.55
2.2.3	Describe the purpose of the <code><!DOCTYPE html></code> , <code><html></code> , <code><head></code> , and <code><body></code> tags.	2.15
2.2.4	Document HTML code, using comments and proper indentation according to industry standards.	1.90
2.2.5	Create headings <code><h1></code> through <code><h6></code> .	2.25
2.2.6	Create paragraphs <code><p></code> and line breaks <code>
</code> .	2.30
2.2.7	Create ordered lists (<code></code>), unordered lists (<code></code>), and list items (<code></code>).	2.20
2.2.8	Create absolute hyperlinks (<code><a></code>) to external websites.	2.45
2.2.9	Use target attributes in <code><a></code> tags (e.g., <code>"self"</code> , <code>"_blank"</code>).	2.20
2.2.10	Create relative hyperlinks (<code><a></code>) to internal web pages.	2.40
2.2.11	Create hyperlinks to identification (ID) attributes (<code></code>).	2.10
2.2.12	Create hyperlinks to email addresses and phone numbers.	2.05
2.2.13	Add images to a web page (<code></code>).	2.65

2.2.14	Create responsive images with the picture element (<picture>) and srcset attribute.	1.90
2.2.15	Create diagrams (<figure>) and images with captions (<figcaption>).	1.70
2.2.16	Create hyperlinks within images.	2.00
2.2.17	Design content, using block level elements (<div>).	2.65
2.2.18	Design content, using inline elements ().	2.40
2.2.19	Layout a web page, using semantic elements (e.g., <header>, <section>, <article>, <footer>).	2.30
2.2.20	Create tables (e.g., <table>, <th>, <tr>, <td>).	2.25
2.2.21	Create navigation (<nav>).	2.25
2.2.22	Create HTML forms.	2.40
2.2.23	Create appropriate labels and form controls (e.g., text, radio buttons, checkboxes, list boxes).	2.40
2.2.24	Describe techniques for HTML Form validation.	2.30
Performance Standard 2.3: Head Section		
2.3.1	Create a page title.	2.30
2.3.2	Link a CSS sheet to a design.	2.65
2.3.3	Link a favicon to a design.	1.95
2.3.4	Create a meta description.	2.05
2.3.5	Create a meta viewport.	1.85
2.3.6	Describe meta charset.	1.50
2.3.7	Declare the language on the HTML tag.	1.90
Performance Standard 2.4: Format Web Pages with Styles		
2.4.1	Describe the functions of HTML and CSS.	2.70
2.4.2	Write CSS syntax rules.	2.45
2.4.3	Create inline, embedded, and external styles.	2.25
2.4.4	Describe best practices of using external stylesheets over embedded or inline styles.	2.00
2.4.5	Design content, using font properties (e.g., font, font-size, font-family, color).	2.70
2.4.6	Control line spacing and white space (line-height, white-space).	2.25
2.4.7	Change the markers on ordered and unordered lists.	1.70
2.4.8	Change backgrounds (e.g., images, colors, gradients).	2.45
2.4.9	Control color properties with CSS (e.g., RGBA, HSL, HEX).	2.30
2.4.10	Design, using CSS tag styling.	2.60
2.4.11	Design, using CSS class styling.	2.80
2.4.12	Design, using CSS ID styling.	2.60
2.4.13	Determine when to use an ID and when to use a class.	2.30
2.4.14	Design, using external font libraries (e.g., Google Fonts, Font Awesome).	2.15
2.4.15	Describe the function of the <!important> declaration in CSS and when to use.	2.25
2.4.16	List the order in which CSS rules are applied according to the cascade.	2.20
Performance Standard 2.5: Advanced CSS Selectors and Properties		
2.5.1	Compare standalone and contextual selectors (e.g., .example vs. p.example).	1.90
2.5.2	Align text on a web page (text-align).	2.40

2.5.3	Design, using CSS pseudo-elements (e.g., ::before, ::after).	1.90
2.5.4	Identify the pseudo-class selectors (e.g., :focus, :hover, :active).	2.30
2.5.5	Select any descendent of an element.	2.10
2.5.6	Select any direct child of an element.	2.10
2.5.7	Select any sibling of an element.	1.95
2.5.8	Select, using the universal selector (*).	2.05
2.5.9	Select any attribute of an element.	2.05
2.5.10	Design, using CSS variables.	1.90
2.5.11	Design, using nested CSS styles.	1.85
2.5.12	Design, using CSS transform and translate properties.	1.60
2.5.13	Create CSS keyframe animations.	1.40
CONTENT STANDARD 3.0: WEB PAGE DESIGN AND LAYOUT		
Performance Standard 3.1: User Experience/User Interface (UX/UI) Theory for Web Design and Development		
3.1.1	Design using industry standard UX/UI principles.	2.35
3.1.2	Create web pages, using responsive design and mobile-first design strategy.	2.45
3.1.3	Compare and define graphics file formats and extensions (e.g., vector [.svg] versus raster [.png, .jpg]).	2.20
3.1.4	Resize and optimize images, using graphics editors.	2.10
3.1.5	Describe typography and its effects as an element of web design.	1.80
3.1.6	Describe elements that require user interaction and benefit from feedback (e.g., button: hover).	2.20
3.1.7	Describe the functions of JavaScript and how it interacts with the Document Object Model (DOM).	2.40
Performance Standard 3.2: Page Layout and Positioning		
3.2.1	Describe the function of the box model.	2.10
3.2.2	Assign content, padding, border, and margin properties.	2.65
3.2.3	Control overflow for a box.	2.10
3.2.4	Layout a page, using CSS Grid.	2.20
3.2.5	Layout a page, using Flexbox.	2.15
3.2.6	Compare CSS Grid and Flexbox.	2.00
3.2.7	Differentiate between positioning values (e.g., static, relative, absolute, fixed, sticky).	2.40
3.2.8	Create responsive design, using media queries.	2.40
3.2.9	Describe the float property and its legacy use for text wrapping.	1.65
3.2.10	Design using industry standard navigation principles (e.g., placement, consistency, simplicity, hierarchy, logo, clarity, mobile-friendly).	2.35
CONTENT STANDARD 4.0: WEB RELATED PLANNING AND ORGANIZATIONAL STANDARDS		
Performance Standard 4.1: Website Architecture and Planning		
4.1.1	Describe the client-server relationship.	2.35
4.1.2	Describe the web deployment process (e.g., domain name and acquisition, web hosting).	2.15
4.1.3	Describe the Web Development Life Cycle (WDLC).	1.90

4.1.4	Describe the purpose of using an HTML and CSS validator.	1.80
4.1.5	Describe different collaborative methodologies within a professional web design team (e.g., Agile, Scrum).	2.05
4.1.6	Initialize or clone a repository, using source control (e.g., git).	2.55
4.1.7	Commit and push code, using source control (e.g., git).	2.55
4.1.8	Pull code, using source control (e.g., git).	2.55
4.1.9	Test web pages on various browsers.	2.45
Performance Standard 4.2: Accessibility Standards		
4.2.1	Implement Web Content Accessibility Guidelines (WCAG).	1.90
4.2.2	Access and describe Section 508 Standards.	1.45
4.2.3	Include descriptive alt attributes on images.	2.20
4.2.4	Include Accessible Rich Internet Applications (ARIA) attributes (e.g., aria-label, aria-labelledby).	1.65
CONTENT STANDARD 5.0: WEB MARKETING		
Performance Standard 5.1: Multimedia on the Web		
5.1.1	Embed external elements on a web page (e.g., maps, videos).	2.30
5.1.2	Add multimedia elements (e.g., <audio>, <video>) to a web page.	2.10
5.1.3	Describe the formats available for web-based video and the factors that determine which one to use.	1.80
Performance Standard 5.2: Brand Management		
5.2.1	Describe the function of Search Engine Optimization (SEO).	1.90
5.2.2	Describe the legal and ethical issues involved in copyrighting, trademarking, and licensing.	1.85
5.2.3	Describe the legal, ethical, and cultural issues related to working in a global environment.	1.75
5.2.4	Describe the pros and cons of using Content Management Systems (CMS) (e.g., WordPress, Drupal, Joomla, Webflow, Squarespace, headless CMS platforms).	1.80