

IT Specialist Skill Group/Objective

1 HTML Fundamentals

1,1 Construct markup that uses metadata elements

script; noscript; style; link; meta tags, including encoding, keywords, viewport, description, and translate

1,2 Construct well-formed page markup

DOCTYPE declaration, html, head, body, proper syntax, closing tags and commonly used symbols

2 CSS Fundamentals

2,1 Analyze and implement inline styles, internal (embedded) style sheets, and external style sheets

When to use inline styles, internal (embedded) style sheets, or external style sheets; precedence when using a combination of inline styles and style sheets

2,2 Construct and analyze rule sets

Valid syntax for the CSS rule set; selectors, including class, id, elements, and pseudo-class

3 Document Structure using HTML

3,1 Construct and analyze markup to structure content and organize data

Table tags (table, tr, th, td), h1-h6, p, br, hr, div, span, ul, ol, li

3,2 Construct and analyze markup that uses HTML5 semantic elements

Semantic tags (header, nav, section, article, aside, footer, details, summary, figure, caption)

3,3 Construct and analyze markup that implements navigation

target, anchor (a href), bookmark, relative vs. absolute links, navigating simple folder hierarchies, map, area

3,4 Construct and analyze markup that uses form elements

Form attributes, action, method, submission methods, input types and restrictions, select, textarea, button, option, label

4 Multimedia Presentation using HTML

4,1 Construct and analyze markup that displays images

img and picture elements and their attributes

4,2 Construct and analyze markup that plays video and audio

video, audio, track, source, iframe

5 Webpage Styling using CSS

5,1 Construct and analyze styles that position content

Positioning, including float, relative, absolute, static, fixed, max-width, overflow, height, width, align, display, inline vs. block, visibility, box model, margins and padding

5,2 Construct and analyze styles that format text

font-family, color, font-style, font-size, font-weight, font-variant, link colors, text formatting, text alignment, text decoration, indentation, line-height, word-wrap, and letter-spacing

5,3 Construct and analyze styles that format backgrounds and borders

border-color, border-style, border-width, background properties, colors

5,4 Construct and analyze styles that create a simple responsive layout

Units of measurement (percentages, pixels, em, vw, vh), viewport and media query, frameworks and templates, working with breakpoints, grids

6 Accessibility, Readability, and Testing

6,1 Construct well-formed HTML and CSS markup that conforms to industry best practices

Reusing rules and rule sets; commenting, web-safe fonts, cross-platform usability, separation of structure (HTML) and style (CSS)

6,2 Apply accessibility principles and evaluate content accessibility

Text alternatives, color contrast and usage, legibility of typography, tab order, text resizing, text hierarchy

6,3 Evaluate the structural integrity of HTML and CSS markup

Syntax errors, tag mismatch, cascading issues