98-383
Introduction to Programming Using HTML and CSS

Exam number: 98-383

Exam title: **Introduction to Programming Using HTML and CSS**

Publish date:

GUID:

Language(s) this exam will be available in: ENU, JPN, CHT, CHS, ESM, PTB, FRA, DEU, KOR

Audience (IT professionals, Developers, Information workers, etc.):

Technology: HTML and CSS

Credit type (example: MCSA)**: MTA**

Exam provider (VUE, Certiport, or both)**: Both**

Exam Design

Audience Profile
Candidate should be able to recognize and write syntactically correct HTML and CSS, structure data using HTML elements, and create and apply styles using CSS.

Candidates are expected to have had, at minimum, instruction and/or hands-on experience of approximately 100 hours with HTML and CSS, be familiar with their features and capabilities, and understand how to write, debug, and maintain well-formed HTML and CSS code.

Language version: HTML5 and CSS3

Skills measured

Understand HTML Fundamentals

Construct markup that uses metadata elements

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

Construct well-formed markup that conforms to industry best practices

DOCTYPE declaration; HTML; head; body; proper syntax, including closing tags and commonly used symbols; comments

Understand CSS Fundamentals

Analyze the impact of using inline styles, internal style sheets, and external style sheets

When to use each; precedence when using a combination of inline styles and style sheets

Construct and analyze rule sets

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

Construct well-formed style sheets that conform to industry best practices

Reusing rules and rule sets, commenting, testing on multiple browsers, web safe fonts

Structure Documents Using HTML

Construct and analyze markup to structure content and organize data

Table tags; h1-h6; p; br; hr; div; span; ul; ol; li

Construct and analyze markup that uses HTML5 semantic elements

Semantic tags: header; nav; section; article; aside; footer; details; summary; figure; caption

Construct and analyze markup that implements navigation

Image links; a; target; bookmark; relative vs absolute links; navigating simple folder hierarchies

Construct and analyze markup that uses form elements

Form attributes: action; method; submission methods; accessibility; input types and restrictions; select; textarea; button; output; option; datalist; fieldset

Present Multimedia Using HTML

Construct and analyze markup that displays images

img and picture elements and their attributes

Describe the appropriate use of the img, svg, and canvas elements

Construct and analyze markup that plays video and audio

Video; audio; track; source; simple iframe implementations

Style Web Pages Using CSS

Construct and analyze styles that position content

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

Construct and analyze styles that format text

Font-family; color; font-style; font-size; font-weight; link colors; text formatting, including text alignment, text decoration, and indentation

Construct and analyze styles that format backgrounds and borders

Border-color; border-style; border-width; backgrounds; divs; colors

Analyze styles that implement a simple responsive layout

Units of measure; responsive effects with CSS, including viewport and media query; percentages vs pixels; frameworks and templates; max width