

Price: R6,400.00 excl. VAT
Duration: 5 days
Code: CSWEB

Web Development with HTML and CSS

Description

The Web Development course teaches delegates how to create cross-browser compatible web pages using HTML / XHTML and Cascading Style Sheets (CSS). Design guidelines and standards are discussed, as well as web accessibility and search engine optimisation. It also provides an introduction to JavaScript.

Objectives

Delegates who complete the Web Development with HTML and CSS course will be able to:

- Develop standards-compliant web pages in HTML, without the need for expensive GUI tools
- Create web pages that contain text, images, lists, headings and tables.
- Create links between web pages.
- Create web pages that use frames.
- Create web-based forms that can be used within web applications.
- Format web pages using Cascading Style Sheets.
- Understand the role of Javascript in web development.
- Be aware of design considerations and web accessibility.

Intended Audience

Any person who wants to develop web pages, and who must maintain intranet or Internet web sites.
Developers who must develop web-based applications.

Prerequisites

Familiarity with browsers and the Internet. Basic knowledge of directories (folders) and file names.
Some programming or web development experience is beneficial, but not required.

Course Contents

The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.

Introduction • How the Web works: client versus server technology. • The concept of a mark-up language. • The W3 Consortium. • The evolution of HTML, including XHTML and HTML5. • Deprecated elements. • HTML editors and converters.

Basic HTML elements • Standards and validation. • Structural elements. • Block elements. • Text formatting elements. • Source and destination links. • Images, image formats and colours.

Tables and Frames • Creating tables. • Creating frameset pages. • Target frames in links.

Web Forms • Creating forms in HTML. • Different control elements used in forms e.g. radio buttons, checkboxes, selection lists and textboxes.

Cascading Style Sheets • The importance of style sheets. • Incorporating style information. • CSS1 and CSS2 selectors. • Style sheet properties: font, background, padding, margin, border, text, list-item and display properties. • Units of measure and types of values. • CSS positioning. • The CSS cascade.

Design and Management • Accessibility guidelines. • Search Engine Optimisation. • Planning a web-site. • Design guidelines. • Compatibility issues and testing.

Introduction to JavaScript • The role of client-side scripting. • Embedding scripts. • Examples of Dynamic HTML.