

From Zero to HTML/HTML 5

Most development these days is programming web applications. In order to program a web application, you must know HTML. This course teaches you the basics of HTML to layout the structure of your web pages. This course starts out by describing HTML and how it helps you layout the overall structure of your web pages. You learn the basics of HTML elements and attributes through many examples.

Learning Objectives

The basics of HTML

Formatting and basic styling of HTML

The newer HTML 5 elements and attributes

Using the HTML 5 APIs

Prerequisites

Must know how to use an editor such as Visual Studio Code. Some basic JavaScript programming knowledge is helpful, but not necessary.

Course Length

2 days

Module 1: Introduction to HTML

HTML Document Structure

`<div>` Elements

`<meta>` Tags

Common Attributes

Module 2: Block and inline elements

Block-level elements

Sample product page

Module 3: Inline elements

span element

img element

textarea element

button element

Module 4: Formatting elements

HTML Entities

mark Element

small Element

del and ins Elements

sub and sup Elements

b and strong Elements

i and em Elements

Module 5: Basics of Styling HTML

Inline styles

Element styles

Class styles

ID styles

External style sheet

Sample product page

Module 6: Navigation

- Anchor elements
- Nav elements
- Images as anchors

Module 7: Lists

- Unordered list `` element
- Unordered list `` element using marker styles
- Unordered list `` element - horizontal
- Ordered list `` element
- Ordered list `` element using number styles
- Description list `<dl>` element
- Datalist element
- Select element as a drop-down list
- Select element as a list box
- Table element

Module 8: Input Forms

- Using the `<form>` element
- Place labels above input
- Using the `<fieldset>` element
- Using tables for layout
- Using the `<textarea>` element
- Using CSS for layout

Module 9: Code elements

- `<code>` element

<pre> element
<var> element
<kbd> element
<samp> element

Module 10: Miscellaneous elements

<q> element
<blockquote> element
<abbr> element
<cite> element
<address> element

Module 11: HTML 5 structural elements

<meter>
<output>
<progress>
<video>
<canvas>
<svg>

Module 12: HTML 5 semantic elements

<nav>, <header> and <footer>
<figure>
<article>
<aside>

Module 13: HTML 5 input types

- Text and search inputs
- Telephone, number, range inputs
- Email, url and color inputs
- Date and time inputs

Module 14: HTML 5 input attributes

- Autofocus, required and formnovalidate attributes
- Placeholder attribute
- Pattern attribute
- Reversed attribute
- Multiple attribute

Module 15: HTML 5 APIs

- Geolocation - Getting data
- Geolocation - Handling errors
- Geolocation - Passing in options
- Geolocation - Display on a map
- Drag and drop
- Local storage
- Session storage