HTML Elements Detailed Description

Basic Structure

<!DOCTYPE html>

Declares the document type and version of HTML.

Example: <!DOCTYPE html>

<html>

Root element of an HTML document. Contains all other HTML elements.

Example: <html>...</html>

<head>

Contains meta-information about the HTML document. Includes elements like <title>, <meta>, <link>, <style>, and <script>.

Example: <head>...</head>

<title>

Sets the title of the HTML document. Appears in the browser's title bar or tab.

Example: <title>Page Title</title>

<body>

Contains the content of the HTML document.

Example: <body>...</body>

Text Elements

<h1> to <h6>

Defines HTML headings. <h1> is the highest (most important) level, and <h6> is the lowest.

Example: <h1>Heading 1</h1>

>

Defines a paragraph.

Example: This is a paragraph.

Inserts a line break. Self-closing tag.

Example: Line 1
br>Line 2

<hr>

Inserts a horizontal rule (line). Self-closing tag.

Example: <hr>

 and

Makes text bold. also indicates that the text is important.

Example: Important Text

 and <i>

Italicizes text. also indicates emphasis.

Example: Emphasized Text

Lists

Defines an unordered (bulleted) list.

Example: ...

<0|>

Defines an ordered (numbered) list.

Example: ...

Defines a list item. Used within or .

Example: List Item

Links and Images

<a>>

Defines a hyperlink. The href attribute specifies the URL.

Example: Link

Embeds an image. The src attribute specifies the image source. The alt attribute provides alternative text. Self-closing tag.

Example:

Forms and Input

<form>

Defines an HTML form for user input.

Example: <form>...</form>

<input>

Defines an input field. The type attribute specifies the type of input (e.g., text, password, submit). Self-closing tag.

Example: <input type="text">

<label>

Defines a label for an <input> element.

Example: <label for="name">Name:</label>

<textarea>

Defines a multi-line text input control.

Example: <textarea>...</textarea>

<button>

Defines a clickable button.

Example: <button>Click Me</button>

Table Elements

Defines a table.

Example: ...

Defines a table row.

Example: ...

Defines a table cell.

Example: Cell

Defines a table header cell.

Example: Header

Semantic Elements

<header>

Defines a header for a document or section.

Example: <header>...</header>

<footer>

Defines a footer for a document or section.

Example: <footer>...</footer>

<article>

Defines an independent, self-contained piece of content.

Example: <article>...</article>

<section>

Defines a section of a document.

Example: <section>...</section>

<nav>

Defines navigation links.

Example: <nav>...</nav>

<aside>

Defines content aside from the main content.

Example: <aside>...</aside>

<main>

Defines the main content of a document.

Example: <main>...</main>

Media Elements

<audio>

Embeds audio content.

Example: <audio controls> <source src="audio.mp3" type="audio/mpeg"> </audio>

<video>

Embeds video content.

Example: <video controls> <source src="video.mp4" type="video/mp4"> </video>

<source>

Defines multiple media resources for <audio> and <video>.

Example: <source src="media.mp4" type="video/mp4">

Meta-information

<meta>

Provides metadata about the HTML document. Commonly used attributes: charset, name, content. Self-closing tag.

Example: <meta charset="UTF-8">

k>

Defines the relationship between the current document and an external resource. Commonly used to link stylesheets. Self-closing tag.

Example: k rel="stylesheet" href="styles.css">

<style>

Embeds CSS styles.

Example: <style>...</style>

<script>

Embeds or references JavaScript.

Example: <script src="script.js"></script>

Interactive Elements

<details>

Defines additional details that the user can view or hide.

Example: <details> <summary>More Info</summary>...</details>

<summary>

Defines a visible heading for a <details> element.

Example: <summary>More Info</summary>