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Introduction to HTML5

Unlock the Power of Modern Web Development with HTML5!

DEFINITION

> HTML5 is the latest version of the Hypertext Markup Language used for structuring web content. It introduces new elements and features that enhance multimedia and improve web applications.

KEY CONCEPTS

Semantic Elements

HTML5 introduces semantic elements like <header>, <footer>, and <article> to improve document structure and accessibility.

Multimedia Support

HTML5 allows for native audio and video embedding using <audio> and <video> tags, eliminating the need for plugins.

Canvas Element

The <canvas> element enables dynamic, scriptable rendering of 2D shapes and bitmap images, useful for graphics and animations.

Form Enhancements

HTML5 introduces new input types like date, email, and range, enhancing user experience in forms.

APIs Integration

HTML5 provides various APIs such as Geolocation and Web Storage, allowing developers to create more interactive applications.

EXAMPLES

→ <video src='movie.mp4' controls></video>

→ <canvas id='myCanvas'></canvas>

→ <input type='date' name='birthday'>

MEMORY TIPS

★ Remember 'SEMCAP' for Semantic, Elements, Multimedia, Canvas, APIs, and Forms.

★ Visualize a 'canvas' for graphics to recall the <canvas> element.

★ Think of 'HTML5' as the '5th' generation of web structure, emphasizing modern features.

COMMON MISTAKES

✗ Forgetting to close tags, especially with new elements.

✗ Using outdated elements like <font> instead of CSS for styling.

✗ Neglecting accessibility features when using semantic elements.

QUICK RECAP

HTML5 is essential for modern web development, enhancing structure, multimedia, and interactivity. Focus on its new elements and APIs to create rich web applications.