

HYPER TEXT MARKUP LANGUAGE 5

HTML5(Hypertext Markup Language 5) is a markup language used for structuring and presenting hypertext documents on the world wide web. It was the fifth and final major html version that is now a retired world wide web consortium(W3C) recommendation. The current specification is known as the HTML Living Standard. Here some of the key features of HTML5.

1.New Semantic elements:

HTML5 provides new semantic elements that allow authors to specifically define aspects of web documents, including <header>, <footer>, <section>, <article>, <figure> and <figcaption>. More importantly, authors can use these elements in an infinite variety of ways, allowing extensive flexibility.

2.Audio and Video Support:

Say goodbye to the clunky old Flash Player! HTML5 lets you embed audio and video directly using the <audio> and <video> elements.

3.Canvas Element:

The <canvas> element is your blank canvas for JavaScript artistry. Create dynamic graphics, animations, and even games!

4.Local Storage:

HTML5 gives you a little backpack called local Storage. It's like Hermione's bottomless bag—store data on the client side, even after the browser closes.

5. Responsive Images:

The <picture> element serves different image sources based on screen size. No more pixelated images on tiny screens!

6. Drag-and-Drop Magic:

HTML5 lets you create drag-and-drop interactions without third-party libraries. Just add the draggable attribute and voilà!

7. Web Components:

Ever dreamt of creating your own HTML elements? Web Components make it happen! Think of them as LEGO blocks for the web.

8. Geolocation API:

HTML5 asks users for their location (with consent, of course). Perfect for finding the nearest coffee shop or avoiding Bermuda Triangle vacations.

9. Improved Forms:

HTML5 sprinkles magic dust on forms. New attributes (like placeholder, required, and pattern) make form handling smoother.

10. Offline Storage:

Remember the days of "You're offline, no cat videos for you!"? HTML5's got your back. Store data locally, even when the internet takes a nap.

Figure Tag:

HTML <figure> tag is used to mark up a photo in the document on a web page. As we know image tag is already available in HTML to display the pictures on web pages. But HTML 5 <figure> tag is used to handle the group of diagrams, photos, code listing etc. with some embedded content.

Use a <figure> element to mark up a photo in a document, and a <figcaption> element to define a caption for the photo:

Syntax:

<figure>

<figcaption>Fig.1 - Trulli, Puglia, Italy</figcaption>

</figure>