

HTML 5

Chapter 5

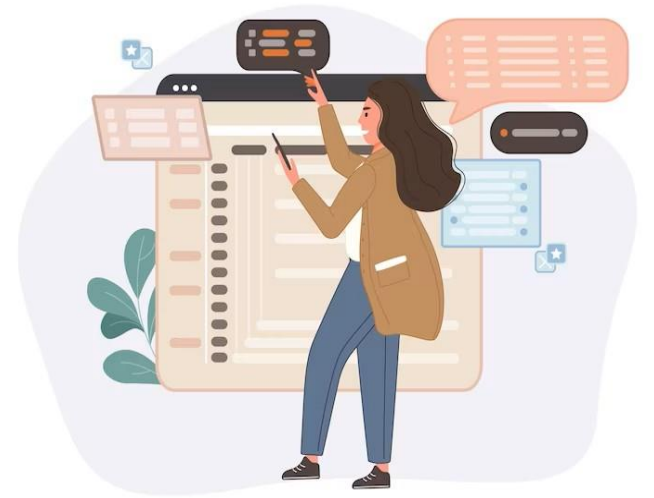


HTML 5

HTML5 will be the new standard for HTML, XHTML, and the HTML DOM.

The previous version of HTML came in 1999. The web has changed a lot since then.

HTML5 is still a work in progress. However, most modern browsers have some HTML5 support.



Why HTML 5?



New features based on HTML, CSS, DOM, and JavaScript

Reduce the need for external plug-in (like Flash)

Better error handling

HTML5 is device independent

The development process is visible to the public



Take a look at the new features...

Some of the most interesting new features in HTML5:



The canvas element for drawing



The video and audio elements for media playback



Better support for local offline storage



New content specific elements, like article, footer, header, nav , section, etc



New form controls, like calendar, date, time, email, url, search, etc

There are some new Tags introduced...



Article



Aside



Figure



Figcaption



Footer



Header



Hgroup



Mark



Meter



Nav



Progress



Section



Details



Summary

New input types have been introduced...



Email



URL



Color



Number



Range



Date



Datetime



Datetime-local



Month



Search



Tel



Week

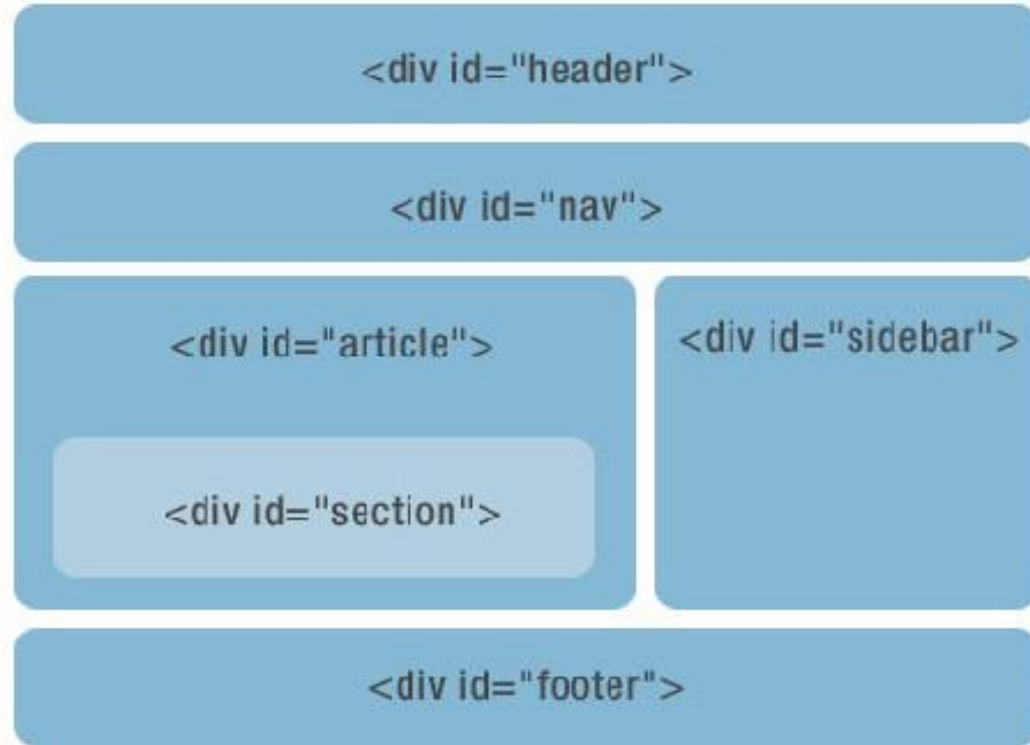


Datalist

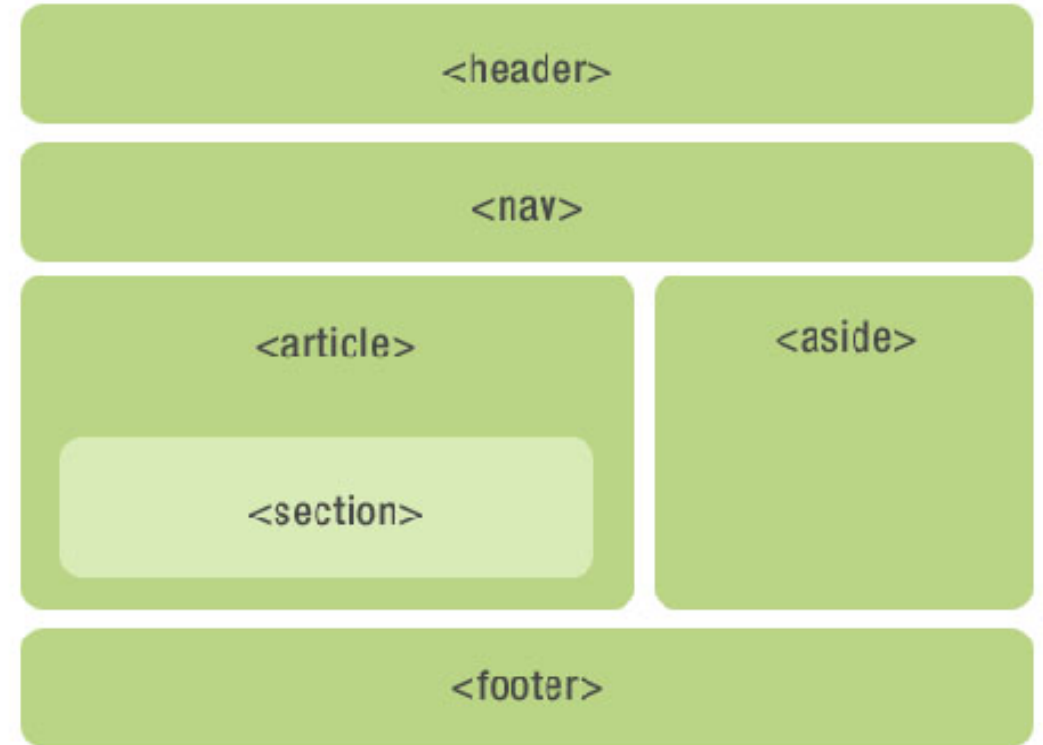


Speech

HTML 4



HTML 5



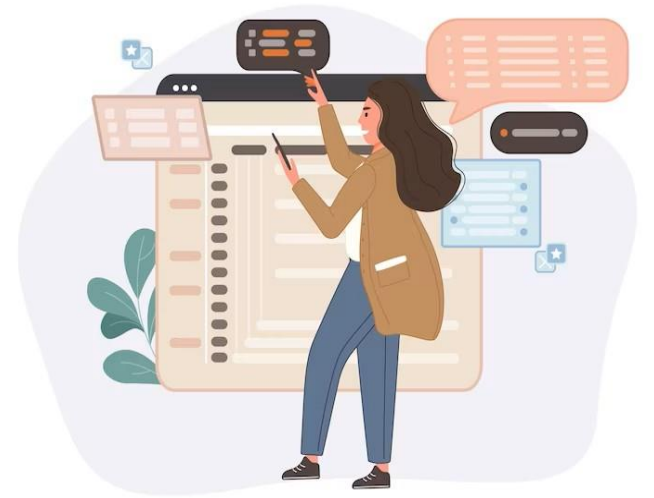
HTML 5 Media Elements

<audio> :- For multimedia content, sounds, music or other audio streams.

<video> :- For video content, such as a movie clip or other video streams.

<source> :- To specify the source of media elements.
Defined inside video or audio elements.

<embed> :- to embed external content, **such as a plug-in**, YouTube video or a Flash animation.



Example

```
<!DOCTYPE html>
<html>
<body>

<audio controls>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>

<video width = "300" height = "200" controls autoplay>
  <source src = "/html5/foo.ogg" type = "video/ogg" />
  <source src = "/html5/foo.mp4" type = "video/mp4" />
  Your browser does not support the <video> element.
</video>

</body>
</html>
```



What we have learned so far...



HTML 5 Introduction



HTML 5 New Features



HTML 5 new tags



HTML 5 new input types



HTML 5 Media Elements



Questions?

