HTML 5

Chapter 5

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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.

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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

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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

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There are some new Tags introduced…

Article

Aside

Figure

Figcaption

Footer

Header

Hgroup

Mark

Meter

Nav

Progress

Section

Details

Summary

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New input types have been introduced...

✓ Email   ✓ URL   ✓ Color   ✓ Number

✓ Range   ✓ Date   ✓ Datetime   ✓ Datetime-local

✓ Month   ✓ Search   ✓ Tel   ✓ Week
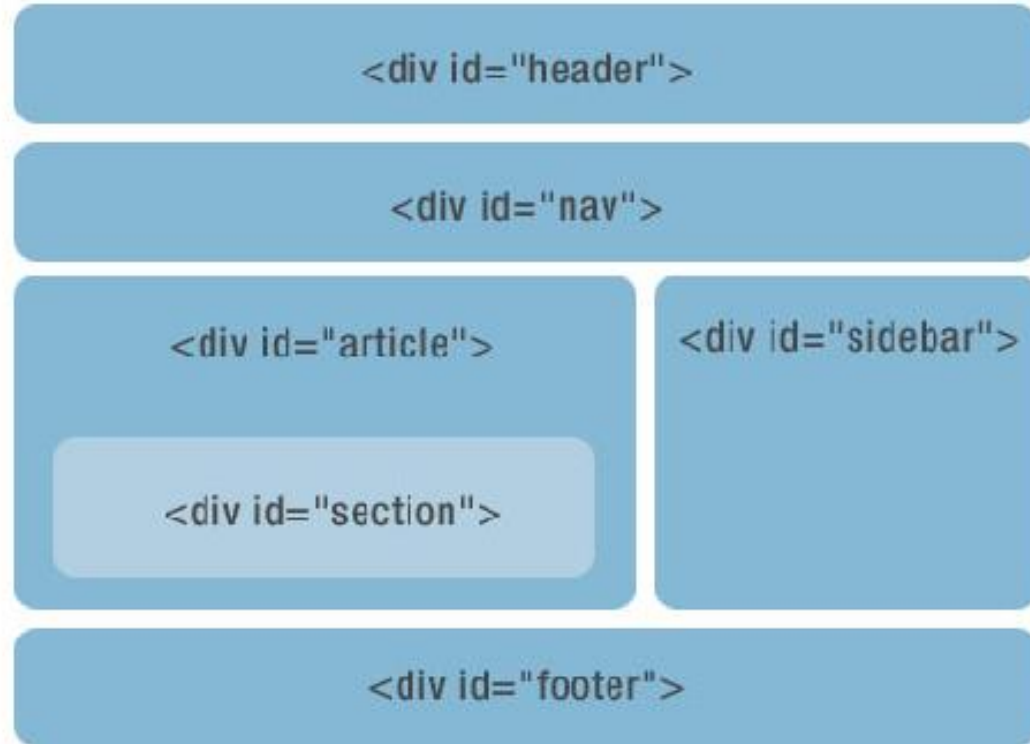
            ✓ Datalist   ✓ Speech

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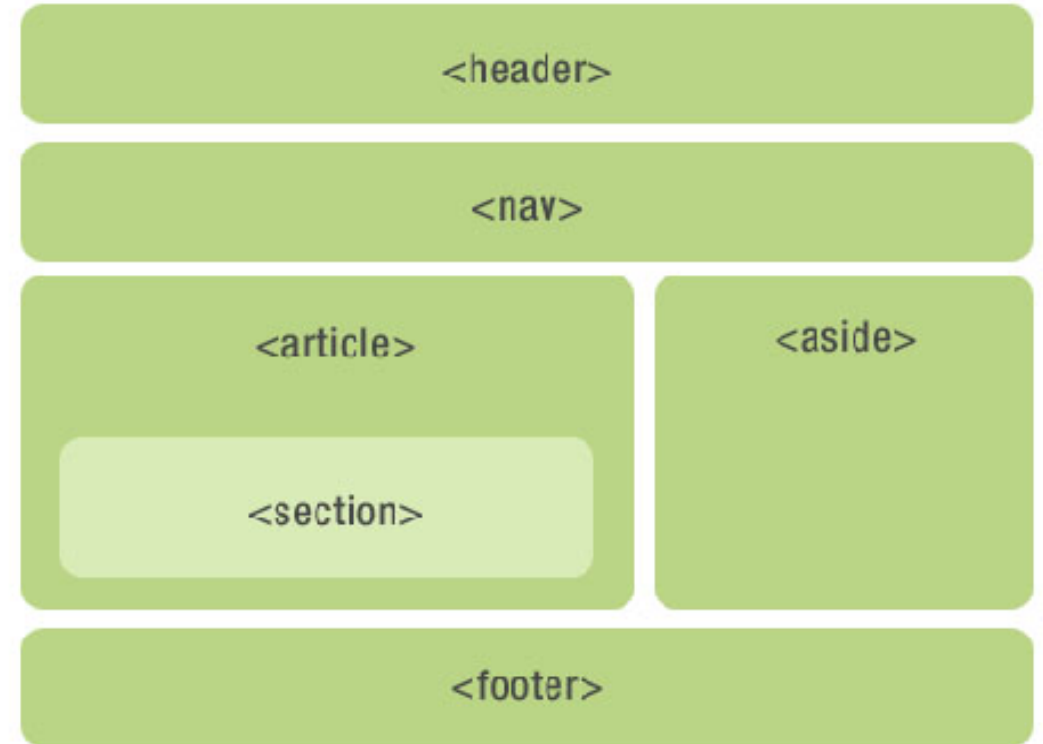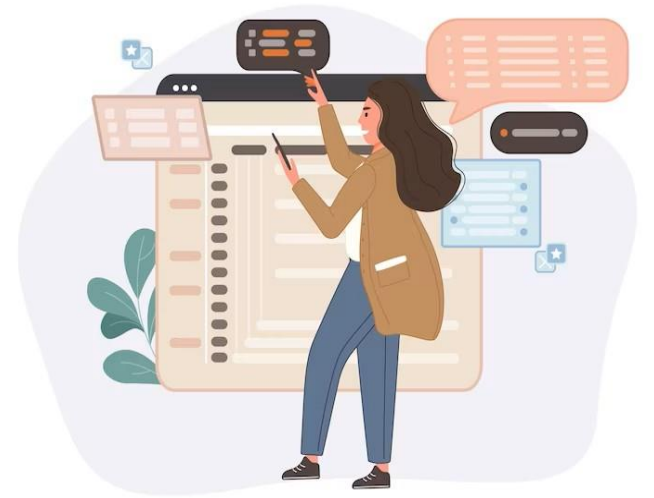
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HTML 5

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.

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Example

```html
<!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

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Questions?