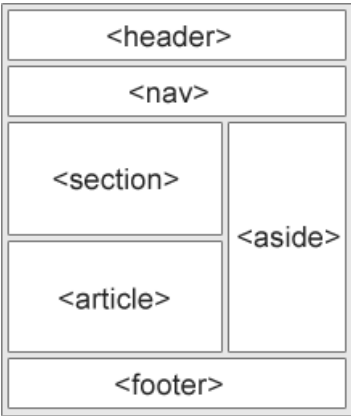


# HTML Layout Elements and Techniques

Websites often display content in multiple columns (like a magazine or a newspaper).

## HTML Layout Elements

HTML has several semantic elements that define the different parts of a web page:



- <header> - Defines a header for a document or a section
- <nav> - Defines a set of navigation links
- <section> - Defines a section in a document
- <article> - Defines an independent, self-contained content
- <aside> - Defines content aside from the content (like a sidebar)
- <footer> - Defines a footer for a document or a section
- <details> - Defines additional details that the user can open and close on demand
- <summary> - Defines a heading for the <details> element

## HTML Layout Techniques

There are four different techniques to create multicolumn layouts. Each technique has its pros and cons:

- CSS framework
- CSS float property
- CSS flexbox
- CSS grid

## CSS Frameworks

If you want to create your layout fast, you can use a CSS framework, like [W3.CSS](#) or [Bootstrap](#).

Ever heard about **W3Schools Spaces**? Here you can create your website from scratch or use a template, and host it for free.

[Get started for free >](#)

*\* no credit card required*

## CSS Float Layout

It is common to do entire web layouts using the CSS `float` property. Float is easy to learn - you just need to remember how the `float` and `clear` properties work. **Disadvantages:** Floating elements are tied to the document flow, which may harm the flexibility. Learn more about float in our [CSS Float and Clear](#) chapter.

## CSS Flexbox Layout

Use of flexbox ensures that elements behave predictably when the page layout must accommodate different screen sizes and different display devices.

Learn more about flexbox in our [CSS Flexbox](#) chapter.

## Example

### Cities

# London

London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan area of over 13 million inhabitants.

Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its founding by the Romans, who named it Londinium.

[Try it Yourself »](#)

## CSS Grid Layout

The CSS Grid Layout Module offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats and positioning.

Learn more about CSS grids in our [CSS Grid Intro](#) chapter.