Introduction to Web Design

Web Page Layout

[Diagrams of web page layouts]
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Wireframing

Website wireframing allows you to plan the layout of your website.

It is the process of making design decisions before they are implemented.

Wireframing can range from a simple skeletal framework to a detailed mockup of each page.

Spending time planning your site makes coding easier.
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Here is an approach to wireframing that can be adapted to a variety of design projects.

- Think
- Design
- Implement
- Revise

This sequence can be looped through as necessary.
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Site Map
Web Page Layout

There are several ways to design the layout of a web page with CSS.

- CSS float property
- CSS positioning
- CSS flexible box
- CSS grid
CSS Float Property

The CSS float property allows you to position block elements inline. This means that any element, block or inline, can be positioned alongside another element. The CSS float property is an outmoded technique of web page layout.
The CSS position property specifies the type of positioning used for an element on a page.

**static**
Default document flow

**absolute**
Element is positioned relative to its first positioned (not static) parent element

**fixed**
Element is positioned relative to the browser window

**relative**
Element is positioned relative to its normal position

**sticky**
Positioned based on the user’s scroll position
Use the CSS Flexible Box Layout Module (Flexbox) for arranging items along one axis.

Flexbox consists of flexible containers and flexible items within.

A flex container expands items to fill available free space or shrinks them to prevent overflow.

In practice, flexbox can accommodate different screen sizes and different display devices more easily than the CSS float property.
Web Page Layout

Web pages are often laid out using grid systems.

CSS grids are intended to make this process more intuitive by defining a grid and then specifying where content should be placed within it.

The CSS Grid Layout Module can be used for the overall structure of a page.