

CS472 WAP

Position

Page Layout

The Whole is Greater than the Sum of the Parts

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Main Point Preview

• Static position flows box elements from top to bottom, and inline elements from left to right. Relative position keeps the space in the original flow but displays the element at an offset. Absolute position takes the element out of the flow and places it relative to the "containing element". Fixed position takes the element out of the flow and places it relative to the viewport.

• Layouts require understanding how parts fit into a larger whole. The whole is greater than the sum of its parts.





Property	Meaning	Values
position	Location of element on page	relative: offset from its normal static position absolute: at a particular offset within its containing element fixed: at a fixed location within the browser window
top, bottom, left, right	Offsets of element's edges	A size in px, pt, em or %

position:static;

- static is the default position value for all elements.
- An element with position: static; is not positioned in any special way.
- A static element is said to be not positioned and an element with its position set to anything else is said to be positioned.

position:relative;



- Set the location of an element to an offset from its normal static position.
- relative behaves the same as static unless you add some extra properties. Setting the top, right, bottom, and left properties of a relatively-positioned element will cause it to be adjusted away from its normal position. Other content will not be adjusted to fit into any gap left by the element. relative element stays in its place!

position: absolute;



- position relative still in the normal flow of elements
- position absolute is out of flow and takes up no space
 - positioned relative to nearest positioned ancestor
 - If positioned ancestor doesn't exist, initial container is used
- common idiom
 - use enclosing div with relative position, but no left, top, right or bottom values
 - enclosing div stays at normal static position
 - point of reference for absolutely positioned elements inside

position: fixed;



- fixed position like absolute position, except containing block is viewport
- often used to create floating element in same position even after scrolling
- does not leave a gap in the page where it would normally have been located.
- loses its space in the flow
- does not move when you scroll (stays in place)

Overlapping Elements



- When elements are positioned, they can overlap other elements.
- The z-index property specifies the stack order of an element

 An element can have a positive or negative stack order

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