

Web Technologies

Week # 7: CSS Position and Styling

Spring 2023



Today's Objective

- Recap
- The Box Model
- CSS Border
- CSS Margin
- CSS Padding
- CSS Position

The Box Model

- Box Model has:
 - Content
 - Padding
 - Border
 - Margin

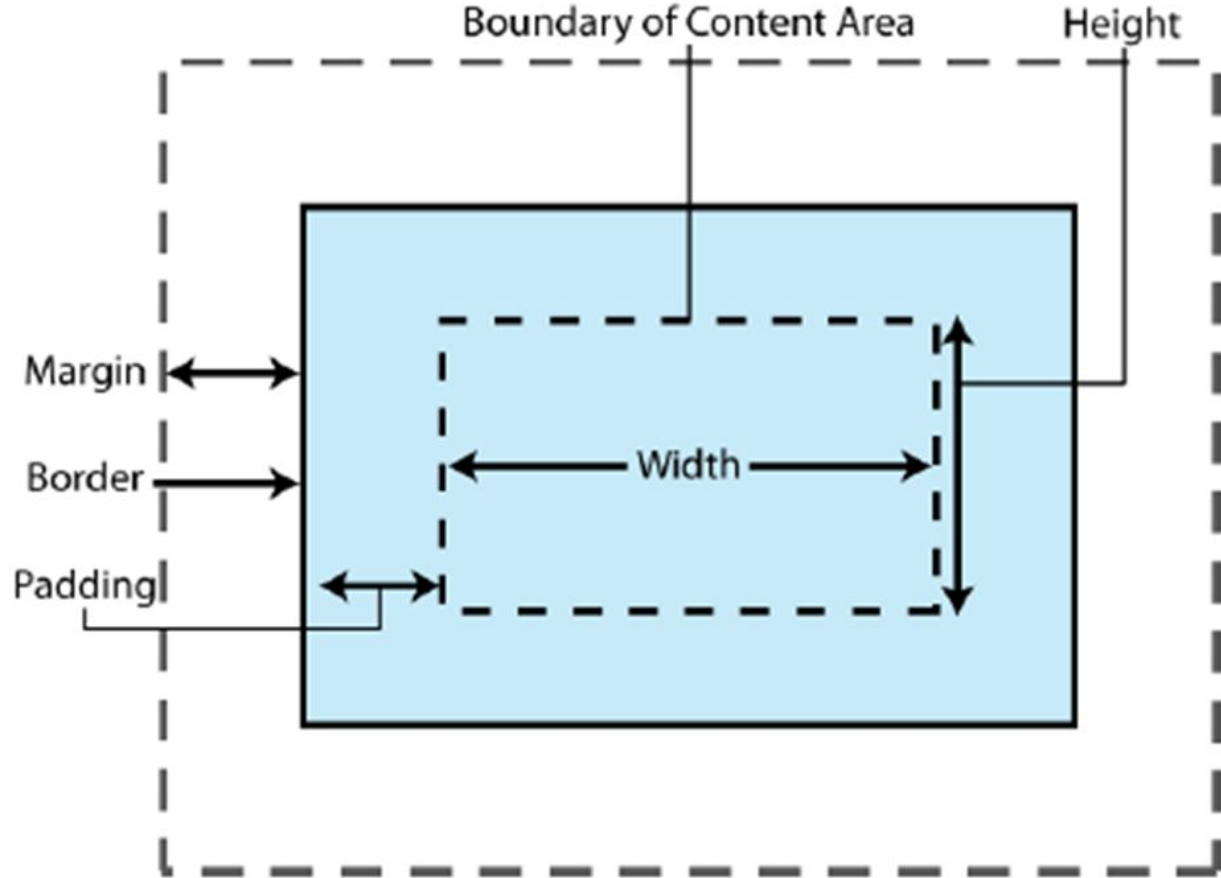


Figure 4.4 Box model diagram

CSS Border Properties

- Following border properties can be applied to an element:
 - The **border-color** property is used to set the color of the border.
 - The **border-style** property is used to set the style of border.
 - The **border-width** property is used to set the width of border.
 - The **border-top, right, bottom, left** is used to set individual side style of border.
 - The **border-radius** property is used to make round corners of the border.
 - The **border** property is used to set the width, style and color of the border in one declaration.

CSS Display Property

- The **display** property is used to control the content layout on the page.
- It controls **if** and **how** an element is displayed
- The possible values can be:
 - Inline - show elements inline (override)
 - block - show elements in block form (new line - override)
 - inline-block
 - none - do not display the element and do not occupy any space as well.
 - **visibility: hidden** - alternate to display: none but it keeps the space of element

CSS Position

- The **position** property specifies the positioning method for an element.
 - Where to place the element on the webpage.
- There are five different values of position element:
 - static - default value of HTML elements
 - relative - position relative to its normal position
 - absolute - takes the position relative to its nearest element
 - fixed - fixed at relative to viewport i.e. do not change if page is scrolled or not
 - sticky - this is based on scrolling, sticks to top of viewport

Some more important Properties

- Max-Width - width to adjust horizontal scroll
- Z-index - stack of elements is controlled by z-index
- Overflow - controls the content if it is more than available container
- Float - flow the element on the page to right or left
- Opacity - set the transparency of an element (images)
- CSS Gradient - Set the color in gradient style (linear, circular,...)

That's all for today...!

