

# Full stack web development using python

## CSS box model



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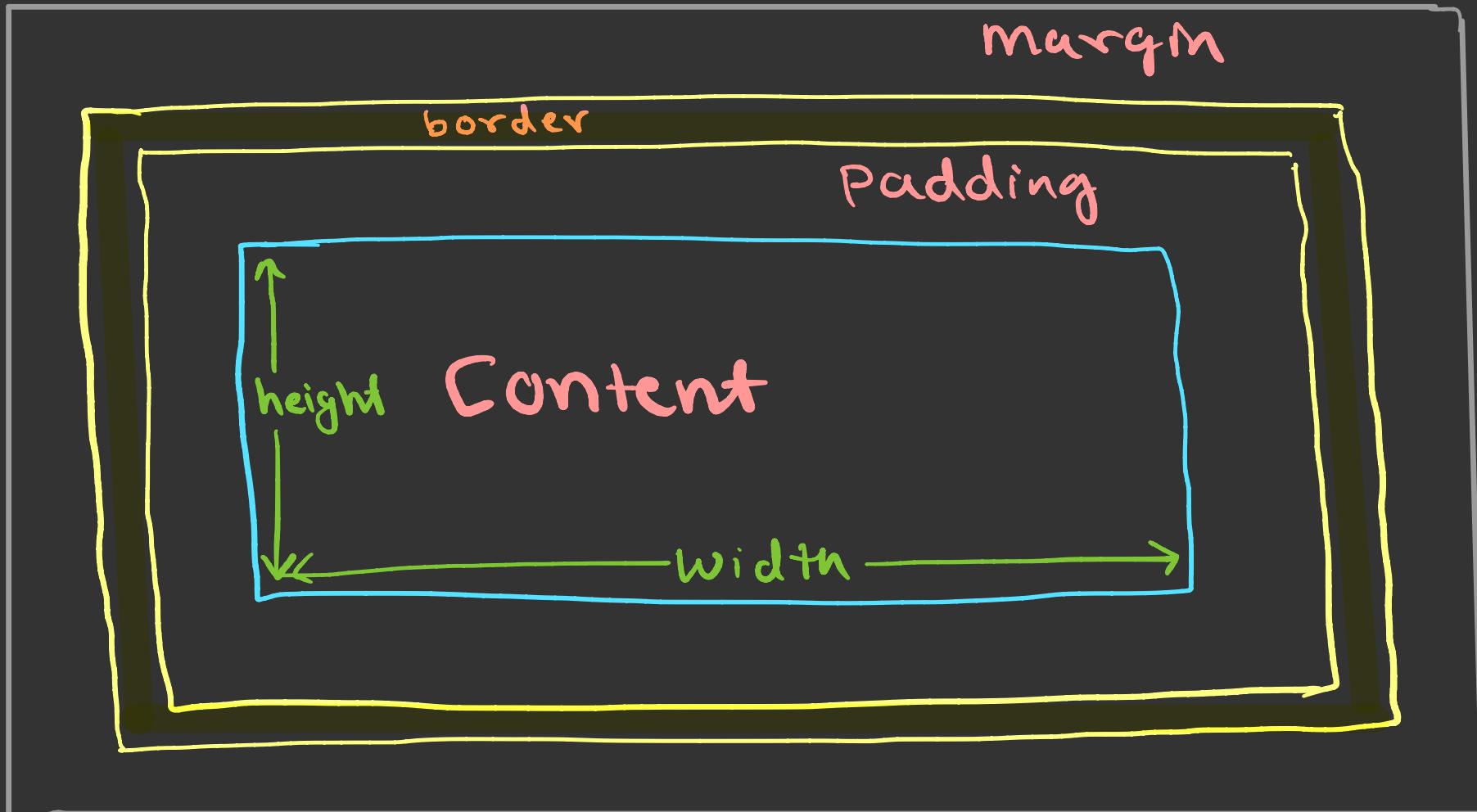
# Agenda

- ① The box model
- ② Parts of a box
- ③ Properties
- ④ block and inline boxes

## The Box Model

Everything in CSS has a box around it, and understanding these boxes is key to being able to create more complex layouts with CSS, or to align items with other items

# Parts of a box



# Properties

width

height

padding

margin

border

## Block and inline boxes

In CSS we have several types of boxes  
but majorly two categories

- ① block boxes
- ② inline boxes

Boxes have inner display type and  
outer display type.

## Outer display type

### Outer display type 'block'

- The box will break onto a new line
- You can apply width and height properties
- padding, margin and border will cause other elements to be pushed away from the box.
- If width is not specified, the box will extend in the inline direction to fill the space available in its container.
- In most cases, the box will become wide as its container, filling up 100% of the space available.

## Outer display type 'inline'

- The box will not break onto a new line
- The width and height properties will not apply
- Vertical padding, margins and borders will apply but will not cause other inline boxes to move away from the box.
- Horizontal padding, margins and borders will apply and will cause other inline boxes to move away from the box.

## Inner display type

By default and without any other instruction, the elements inside a box are also laid out in normal flow and behave as block or inline boxes.

You can change the inner display type for example

display: flex;

The element will still use the outer display type block but this changes the inner display