

Module 3 – Frontend – CSS and CSS3

CSS Box Model

1. What is the CSS box model and its components?

The CSS box model determines how elements are sized and spaced:

- **Content:** The actual content inside the box.
- **Padding:** Space between the content and the border.
- **Border:** The edge surrounding the padding and content.
- **Margin:** Space outside the border, separating the element from others.

Each component adds to the total size of the element.

2. What is the difference between border-box and content-box box-sizing?

- **Content-box (default):** Only the content size is defined; padding and border are added on top of it.
- **Border-box:** The total size includes content, padding, and border, making it easier to control layout.

Example:

With `width:100px` and `padding:10px; border:5px;`:

- **Content-box:** Total width = $100 + 10 + 10 + 5 + 5 = 130\text{px}$.
- **Border-box:** Total width = 100px (includes everything).