CSS
Box Model

WEEK 4

BOX MODEL

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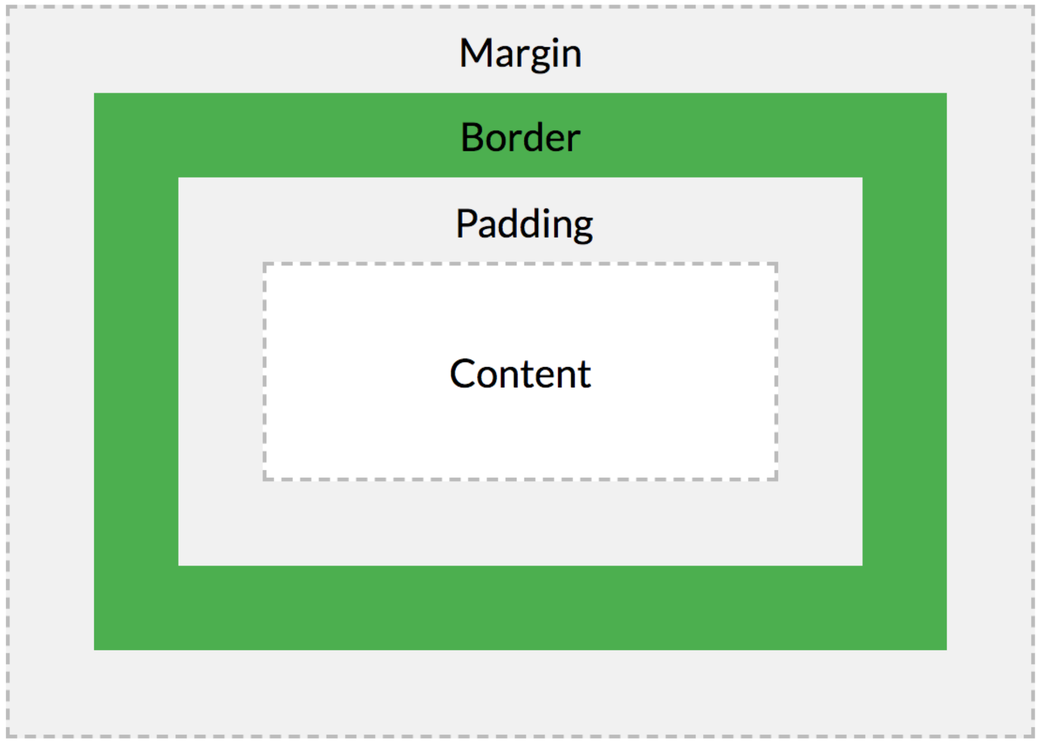


The CSS box model is essentially a box that wraps around every HTML element.

It consists of:
borders, padding, margins, and the actual content.

BOX MODEL

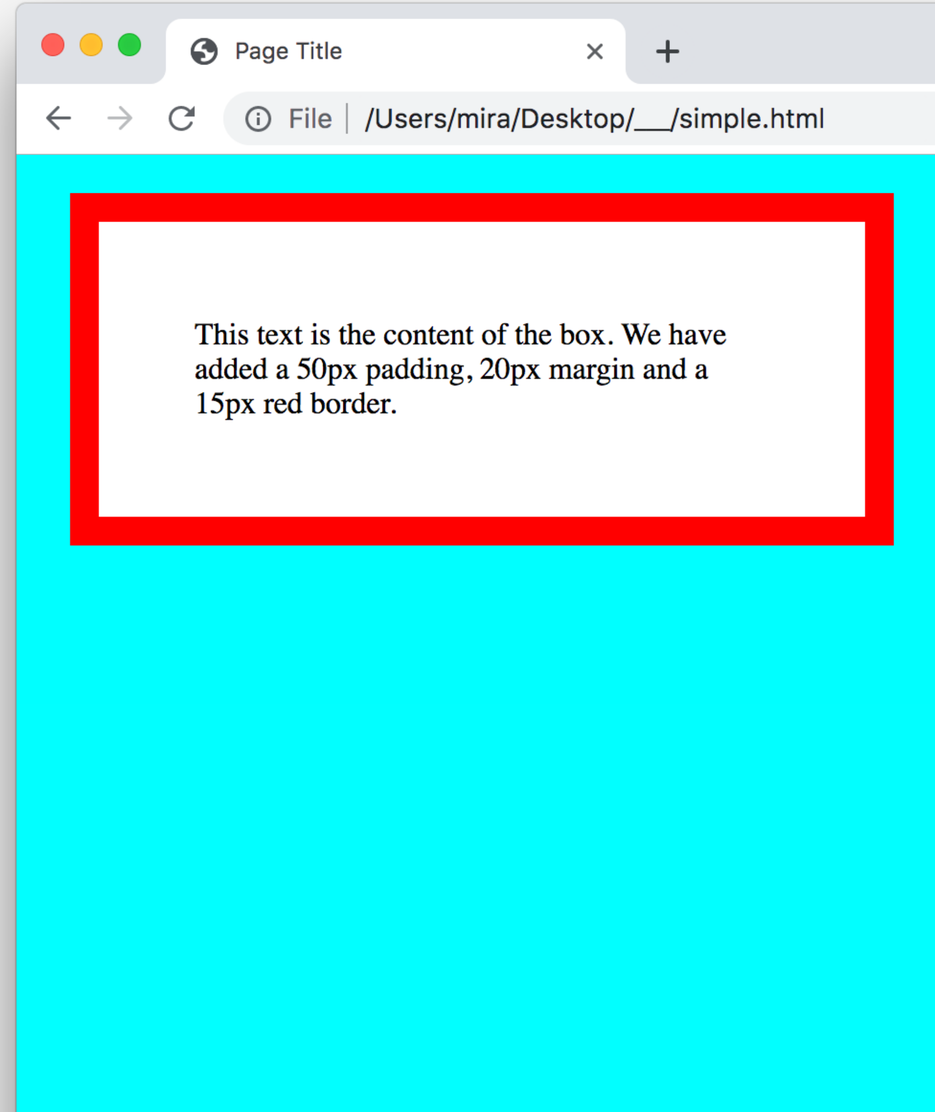
```
<style>
    div {
      background-color: white;
      width: 300px;
      border: 15px solid #FF0000;
      padding: 50px;
      margin: 20px;
    }
</style>

</head>


<body style="background-color: aqua;">

    <div>This text is the content of the box.
        We have added a 50px padding, 20px
        margin and a 15px green border.
    </div>

</body>
```



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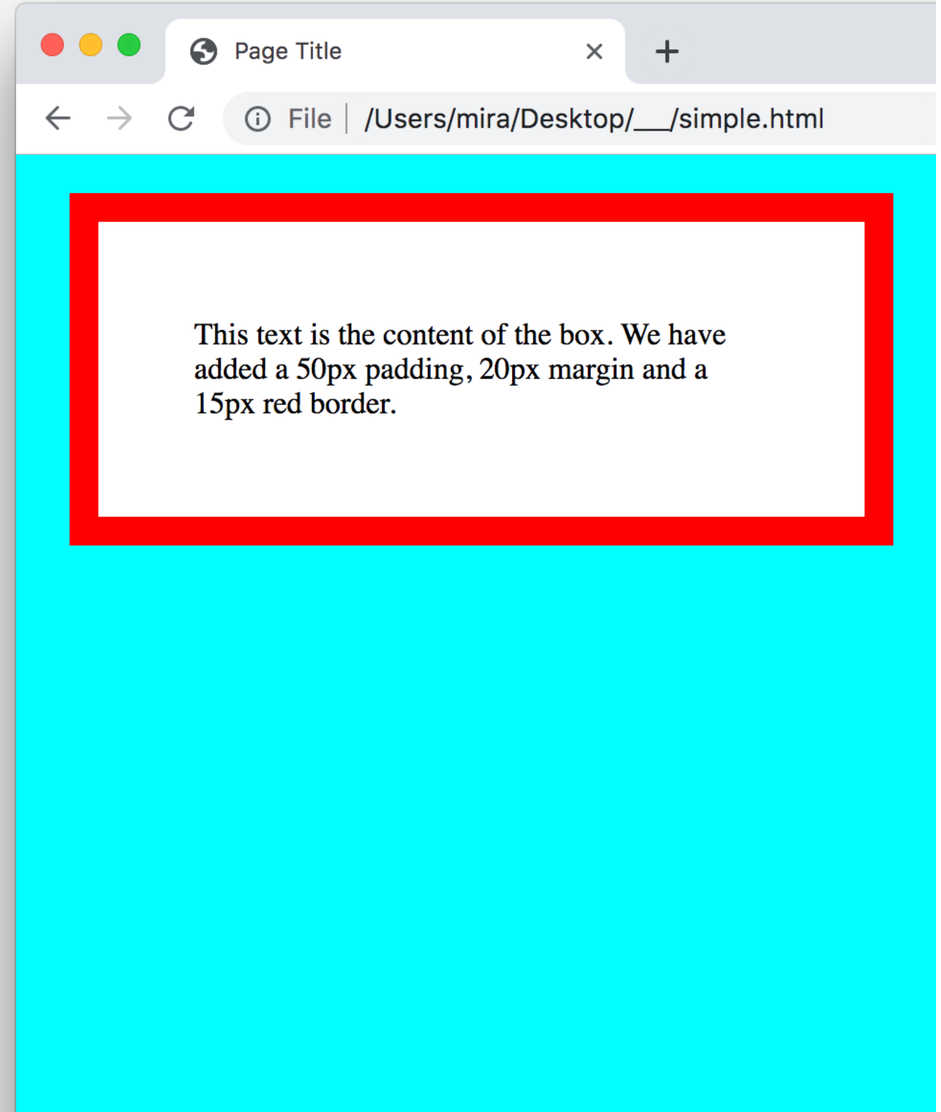


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      background-color: white;
      width: 300px;
      border: 15px solid #FF0000;
      padding: 50px;
      margin: 20px;
    }
</style>
```

MUST-HAVE: **BOX SIZING**

```
* {box-sizing: border-box;}
```

PROPERTY
defines how the width and height of an element are calculated: should they include padding and borders, or not

SELECTOR
“EVERY ELEMENT”

MUST-HAVE: **BOX SIZING**

CSS

```css
.example1 {
  box-sizing: content-box;
  width: 300px;
  height: 100px;
  padding: 30px;
  border: 10px solid blue;
}

.example2 {
  box-sizing: border-box;
  width: 300px;
  height: 100px;
  padding: 30px;
  border: 10px solid red;
}
```

HTML

```html
<div class="example1"> EXAMPLE 1:
    This div has a width of 300px. But the
    full width is 300px + 20px (left and
    right border) + 60px (left and right
    padding) = 380px!
</div>

<div class="example2"> EXAMPLE 2:
    Here, the full width is 300px, no
    matter what!
</div>
```

MUST-HAVE: **BOX SIZING**

BROWSER

EXTRA RESOURCES

CSS-Tricks article [>>]

Demo of Box model [>>]

Box Sizing A [>>]

Box Sizing B [>>]

Example: Borders [>>]

Exercise: Margin, Padding & Border [>>]