



# CSS Basic Rules - Part#2

Sesiunea 7 - 13/05/2021



# /Solutions: CSS selectors\





/Recap\



# CSS: basic rules

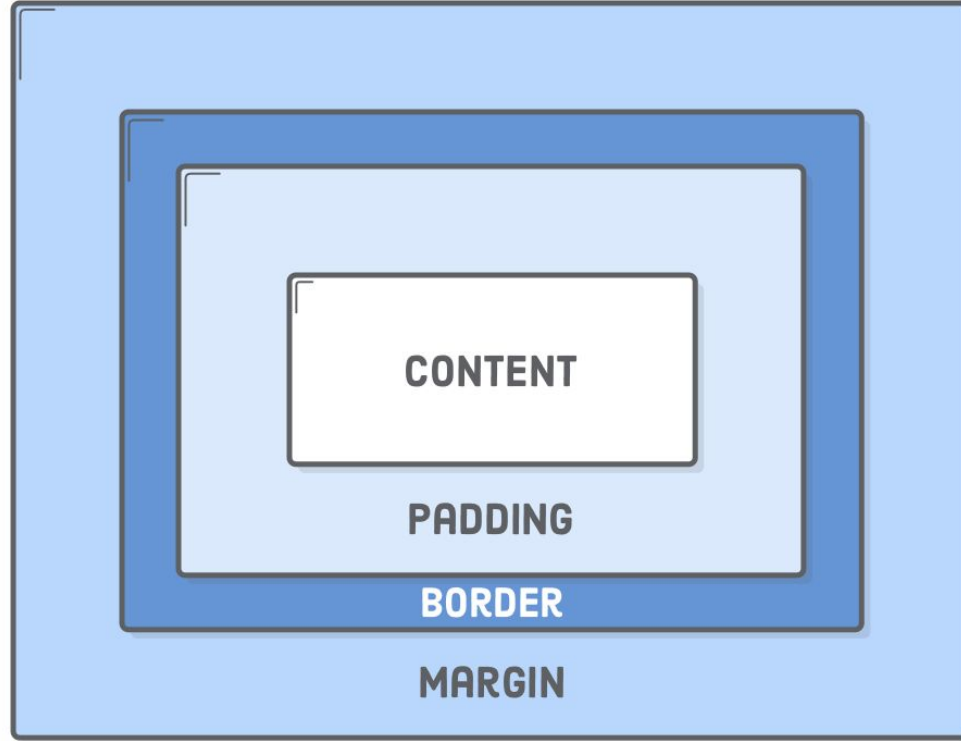
- border
- background-color
- shorthand props
- text formatting
  - fonts
  - alignment
  - font-size/font-weight
  - letter-spacing/word-spacing



# /CSS: Box Model\



# CSS: box model, margins, paddings and box-sizing



# CSS: box model, margins, paddings and box-sizing



padding: 10px 20px 30px 50px;

padding: padding-top padding-right padding-bottom padding-left;

margin: margin-top margin-right margin-bottom margin-left;



# CSS: box model, margins, paddings and box-sizing

~ padding&margin with 3 values for the shorthand notation ~

```
padding: 10px 30px 50px;
```

```
padding: padding-top padding-right&padding-left padding-bottom;
```





# CSS: box model, margins, paddings and box-sizing

~ padding&margin with 2 values for the shorthand notation ~

padding: 10px 30px;

padding: padding-top&padding-bottom padding-right&padding-left;

# CSS: box model, margins, paddings and box-sizing

content:

- width/max-width/min-width
- height/max-height/min-height
- display: inline|block|inline-block|none
- overflow: visible|hidden|scroll|auto|initial|inherit
- visibility: visible|hidden

visibility: hidden != display: none (the layout does not or is modified)

display: inline != display: inline-block (possibility to use width/height rules)



/code<sub>(13)</sub>\

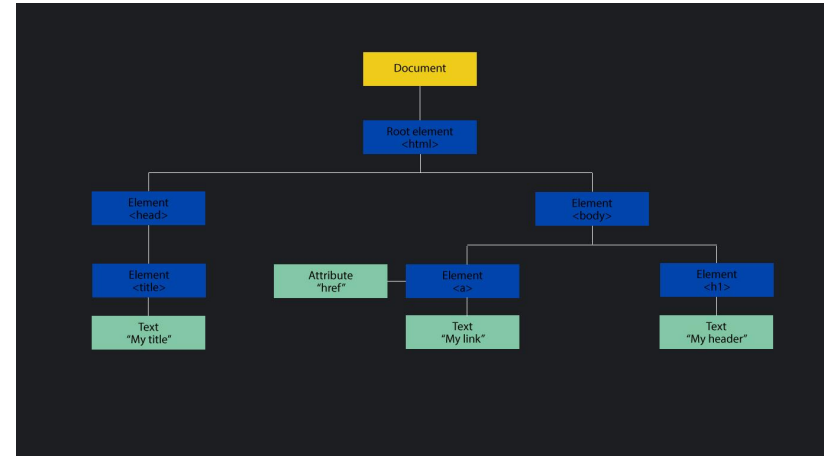


# CSS: widths and heights

- fixed > percentages
- width > max-width
- min-width prevents the used value of the width property from becoming smaller than the value specified for min-value
- percentage height will have affect only all parents having had it specified or if fixed height at some point in the hierarchy tree

# DOM (Document Object Model): tree representation

```
1 <!DOCTYPE html>
2 *   <html>
3 *     <head>
4 *       <title>My title</title>
5     </head>
6 *   <body>
7 *     <a href="https://www.google.com/">My link</a>
8 *     <h1>My header</h1>
9   </body>
10 </html>
11 </html>
```





# /CSS: Positioning\



# CSS: layout

- **Position/z-index**
- **Float/clear**
- Flexbox
- Grid



# CSS: layout - position

position: (manipulate the location of an element)

- static (static)
- relative
- absolute: relative to the first positioned parent
- fixed: relative to the document, not affected by scrolling
- **.relative-element .absolute-element {}**: positions element considering the relative parent
- all except static give access to **top, right, left, bottom, z-index** props



# CSS: layout - float/clear

`float: none|left|right|inherit` (float to the specified direction of the container)

`clear: none|left|right|both|initial|inherit` (don't allow floating to the specified direction of the specified element)

- floats can affect elements that contain them
- it can affect semantic web to be achieved (adding empty divs)
- .clearfix all time solution

```
.clearfix:after {  
  content: "";  
  visibility: hidden;  
  display: block;  
  height: 0;  
  clear: both;  
}
```

/code<sub>(15)</sub>\

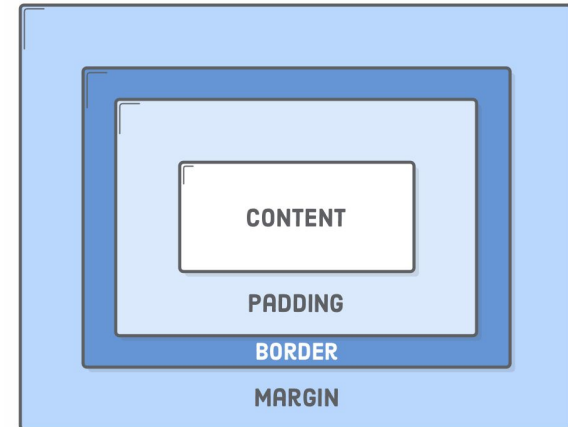


# CSS: box-sizing

## box-sizing

- **content-box** (default): the width and height props include only the content, excluding padding, border and margin
- **border-box**: the width and height props include the content, padding and border, but do not include the margin

Note: very useful on building your layout.



/code<sub>(16)</sub>\





/Hands on\



# Hands on layout



## WINTER SPORT

### TIME TO ADVENTURES

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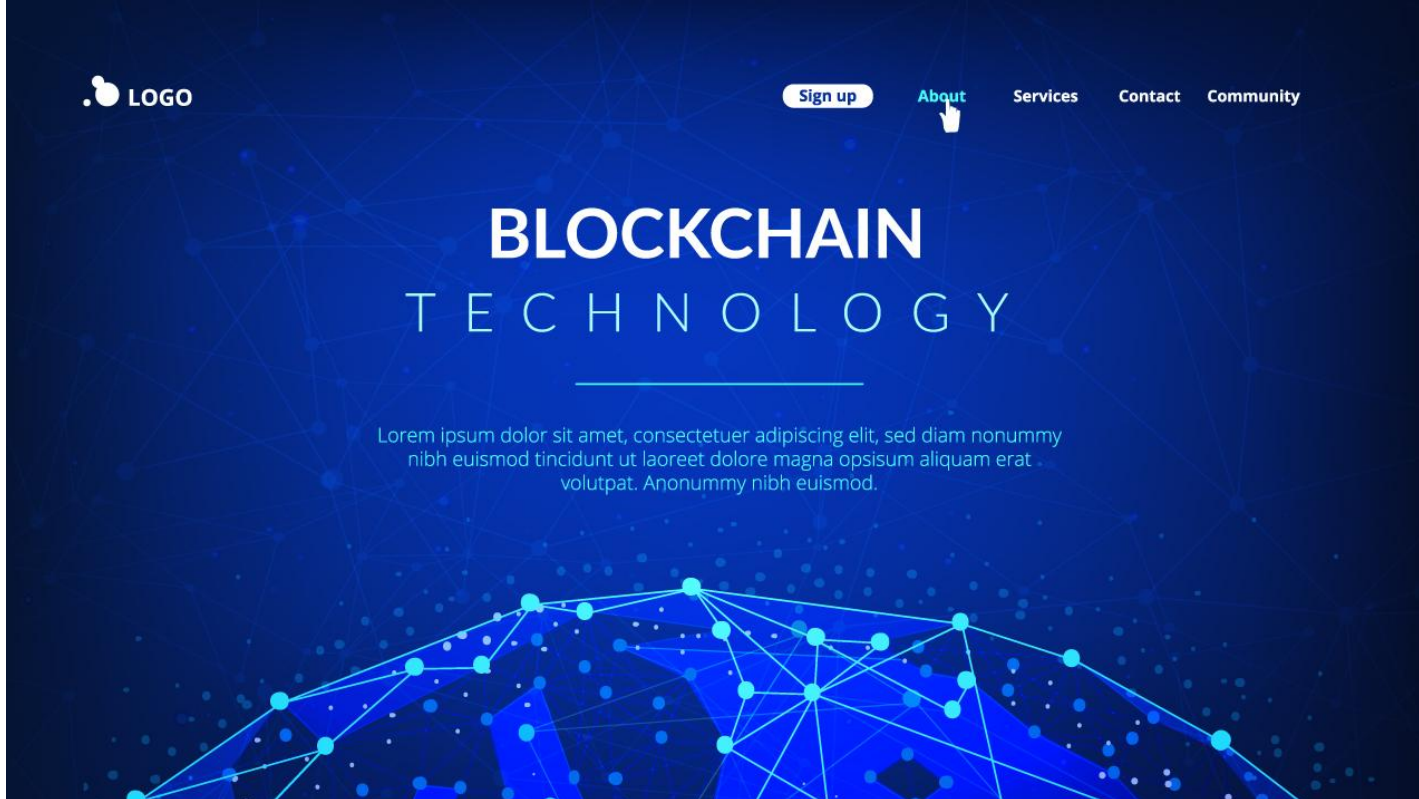
[MORE](#)



/Let's start building\



# Assignment #1



- Well-formed doc
- Semantic tags
- External stylesheet
- Use float for positioning



/1st step: plan the structure\





/Q&A\





# Thank you

**Next: CSS Basic Rules - Part#3**

