**Layout CSS:**

**Consist in four aspects**

- Sizing

- Spacing

- Alignments

- Responsiveness

**Size**

**Height & Width: 🡪** sets the height or width of an element

auto – the browser calculated the height/width - default

length – defines in px, cm, etc.

% - in the percent of the containing block

initial – set to its default value

inherit – inherits this property from its parents element

Percentages are very useful to create responsive layouts

max-width - prevents the value of the width property from becoming larger than max-width

min-width – prevents the value of the width property from becoming smaller than min-width

This applies also to max-height and min-height

**Alignment**

Turn the main content and the aside into side by side columns.

**float** property

Two ways of use clear:

Every time we use the float property we should use the cleaning because the footer was pop down the aside column.

HTML:

<div class=’clear’></div>

CSS:

.clear {

clear: both;

}

Or, use clearfix

HTML -Apply to the parent of the float elements

<main class=’clearfix’>

CSS

.clearfix:before,

.clearfix:after {

content: “”;

display: table;

}

.clearfix:after {

clear: both;

}

**Center:**

Div element it’s a different type of element to our image and footer.

Block elements – use **margin** – div elements

Inline elements – **text-align** – image and text elements

Another way: Flexbox 🡪 see later

**Spacing:**

**Margin** – affects the space around outside of an element

**Padding** – affects the space around inside of an element

We can use:

margin-top

margin-right

margin-bottom

margin-left

or shorthand:

**margin: top right bottom left**

Same applies to the padding

**Box-sizing:**

content-box – default. The width and height properties (and min/max properties) includes only the content. Border, padding, or margin are not included-

border-box – the width and height properties (and min/max properties) incudes content, padding and border, but not the margin

initial – set to default value

inherit – inherits this property from its parent element

**Border-style:**

none

hidden

dotted

dashed

solid

double

groove

ridge

inset

ouset

initial

inherit

**Border-width:**

medium

thin

thick

leght

initial

inherit

When we create new projects the browser came with default values of margin. We have to redefine them (ex. Set margin to 0 in the body).

**Responsive:**

Decrease the viewport and every time it looks wrong or broken we add some code to correct it and make look good again.

Adding: Breakpoints or **media queries**.