

מסלול Full Stack

קמפוס ת"א

זום 2021

שם המרצה: דורון

אזולאי



ברוכים הבאים



Lesson Agenda

- intro – web css
- CSS –
 - Anatomy
 - Selectors –
 - tag, id, class, attribute
 - Pseudo class –
 - hover, active, focus
- Properties and Values
 - Basic
 - Box Model
- Exercise
- Q&A

Web Browsers:



Web Browsers:

Use three languages to translate a graphical user interface

HTML



CSS



JS



CSS: Cascading Style Sheets

is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

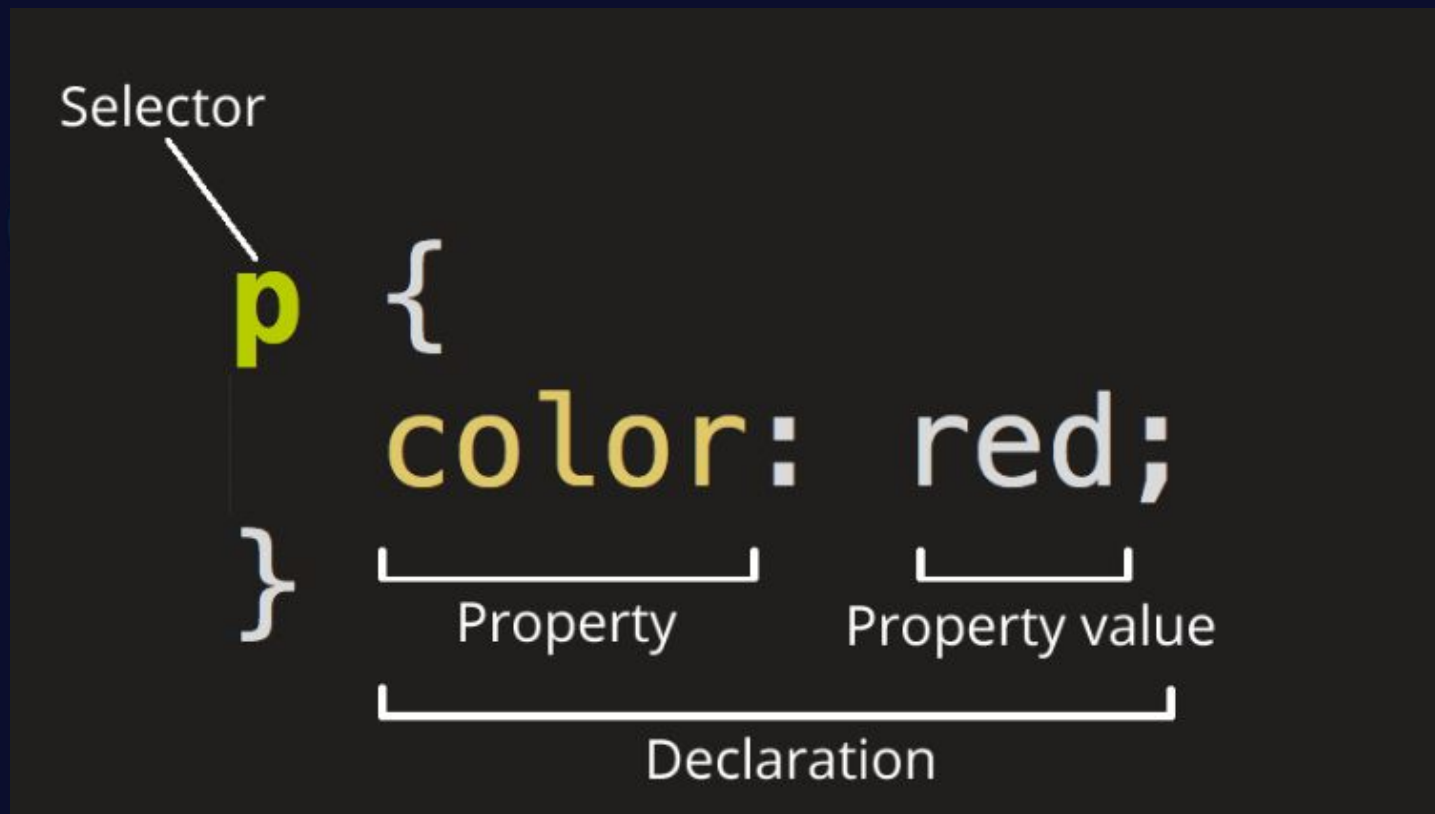
CSS In Short:

What is CSS?

- *CSS stands for Cascading Style Sheets
- *CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- *CSS saves a lot of work. It can control the layout of multiple web pages all at once
- *External stylesheets are stored in CSS files

More about css: <https://developer.mozilla.org/en-US/docs/Web/CSS>

Anatomy of a CSS ruleset:



```
p, li, h1 {  
  color: red;  
}
```

```
p {  
  color: red;  
  width: 500px;  
  border: 1px solid black;  
}
```


Different Types Of Selectors:

There are many different types of selectors. The examples above use element selectors, which select all elements of a given type. But we can make more specific selections as well. Here are some of the more common types of selectors:

Selector name	What does it select	Example
Element selector (sometimes called a tag or type selector)	All HTML elements of the specified type.	p selects <p>
ID selector	The element on the page with the specified ID. On a given HTML page, each id value should be unique.	#my-id selects <p id="my-id"> or
Class selector	The element(s) on the page with the specified class. Multiple instances of the same class can appear on a page.	.my-class selects <p class="my-class"> and
Attribute selector	The element(s) on the page with the specified attribute.	img[src] selects but not
Pseudo-class selector	The specified element(s), but only when in the specified state. (For example, when a cursor hovers over a link.)	a:hover selects <a>, but only when the mouse pointer is hovering over the link.

CSS Basic: commons

more - <https://www.tutorialrepublic.com/css-reference/css3-properties.php>

Property name	Value	Use for	Example
color	hex, rgb, color name	text color	color:#efefef; color:rgb(120,155,77); color:red;
background-color	hex, rgb, color name	element background color	background-color:#efefef; background-color:rgb(120,155,77); background-color:red;
font-family	font name from this link https://www.w3schools.com/cssref/css_websafe_fonts.asp	text style	font-family:Arial;
font-size	px,em,rem,%, size name	text size	font-size:35px;
font-weight	number from 100 - 600	text weight (bold size)	font-weight:600;
text-align	left,center,right,justify	horizontal alignment of the text	text-align:center;
text-decoration	underline, line-through, underline,none	text line	text-decoration:underline;
text-transform	uppercase, capitalize, lowercase	text transform	text-transform: uppercase;
letter-spacing	px,em,rem	letter spacing	letter-spacing:3px;
word-spacing	px,em,rem	word spacing	word-spacing: 20px;
float	left,right	float the element	float:right;
display	block, inline	element flow in the page	

CSS Basic: link

Pseudo class:

- **a:link** – base not click (not visite)
- **a:visited** – after click (visited)
- **a:hover** – on mouse over
- **a:active** – on click (time between mouse push down to mouse push up)

CSS Basic: list

Property:

list-style-type

Values:

- square
- disc
- circle
- l. upper-roman

Property:

list-style-position

Values:

- inside
- outside

1. Fasten your seatbelt
2. Start the car's engine and take a closer look the instrument cluster for any warning sign
3. Look around carefully and go

Outside (Default)

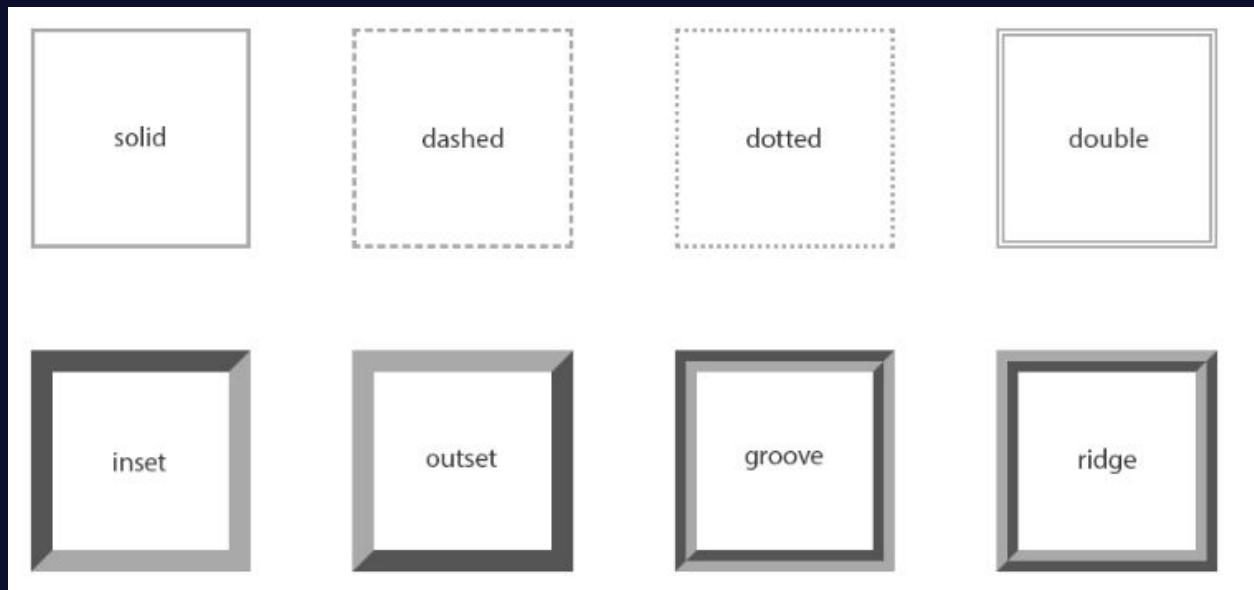
1. Fasten your seatbelt
2. Start the car's engine and take a closer look the instrument cluster for any warning sign
3. Look around carefully and go

Inside

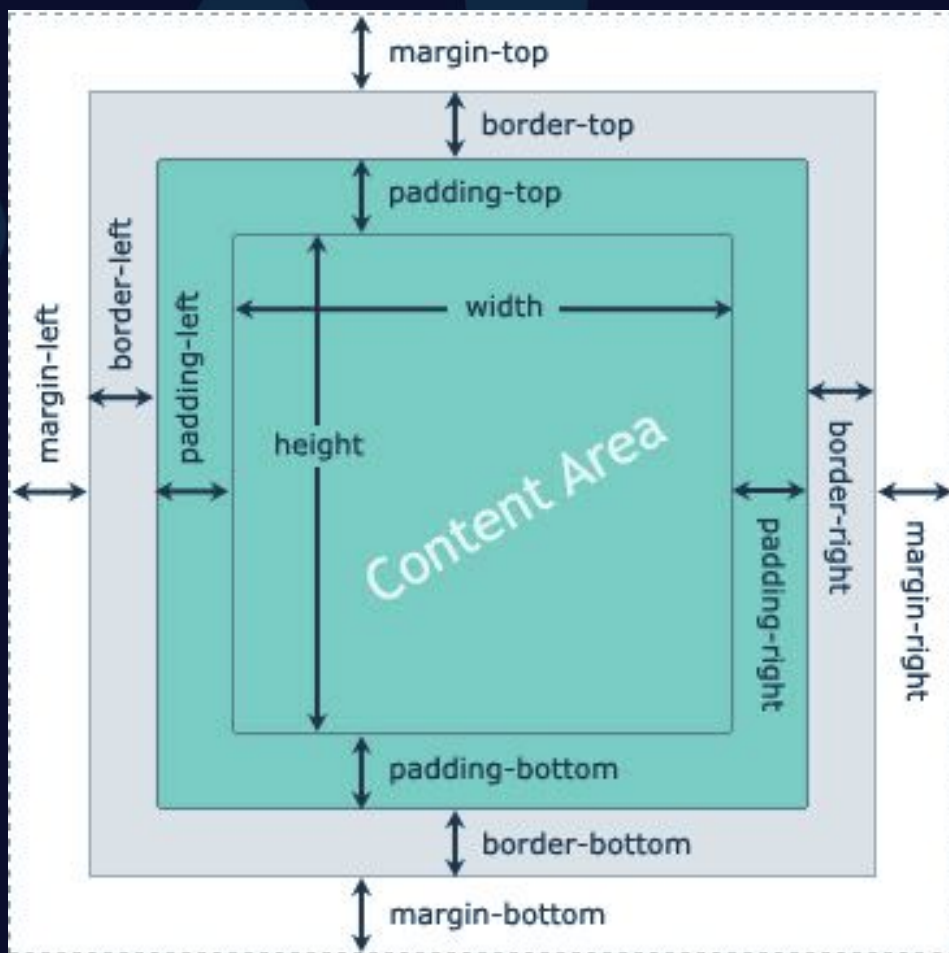
CSS Basic: border

border properties:

- **border-color** – color value (hex, rgb, name)
- **border-width** – px,em,rem,%
- **border-style** – none, hidden, solid, dashed, dotted, double, inset, outset, groove, and ridge



Box Model Basic: Anatomy



Box Size	CSS Properties
Total Width	<code>width + padding-left + padding-right + border-left + border-right + margin-left + margin-right</code>
Total Height	<code>height + padding-top + padding-bottom + border-top + border-bottom + margin-top + margin-bottom</code>

```
div {  
  width: 300px;  
  height: 200px;  
  padding: 15px; /* set padding for all four sides */  
  border: 10px solid black; /* set border for all four sides */  
  margin: 20px auto; /* set top and bottom margin to 20 pixels, and left and right margin to auto */  
}
```

In Class Exercise:

- create folder – inClassExercise2
- create one file
 - bestGifts.html

Best Gifts Page

Create a page that displays details about your 3 best gifts ever

1 **first heading** – page heading title

for each gift

1 **sec heading** – the gift name

1 **image** – gift image

1 **paragraph** – tell about this unique gift

Design

page background color – some color
first heading, sec heading – text center, background color, text color.

image – dimensions 150px*150px, float

paragraph – color

W3schools Exercise:

Link - https://www.w3schools.com/html/exercise.asp?filename=exercise_html_styles1

HTML Styles
Exercise 1
Exercise 2
Exercise 3
Exercise 4
Exercise 5
Exercise 6

Exercise:

- create folder – exercise4
- create one file
 - aboutMyDearest.html

AboutMyDearest Page

Create a page that displays details about your dear people add 3 – 5 persons

1 first heading – page heading title

for each people – new row

1 sec heading – the person name

1 image – person profile image

1 paragraph – tell about this unique person

Design

page background color – some color

first heading – text center,
background color, text color.

sec heading – background color, text
color.

image – dimensions 150px*150px,
float

paragraph

About My Dearest.

Close person - 1



is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Close person - 2



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Close person - 3



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Q&A



