<https://developer.mozilla.org/en-US/docs/Web/HTML/Element> - wszystkie elementy html (syntaxy)

<b></b> - bold(pogrubiona) font

<p></p> - paragraph (akapit - w sensie grupy tekstu nie wcięcia)

<h1>.<h2>;<h3> ; <h4>;<h5>;<h6> - headings (nagłówki) with different levels

# Sections of HTML Document

!DOCTYPE html - indicates type of document

<head></head> - section of HTML document containing metadata

<title></title> - title of a site, used by google in search results f. e.

<body><body> - body section of document. Seriously.

<ul></ul> - unordered list

<ol><ol> - ordered list

<li><li> - list item, can contain pretty much everything. Also nested lists.

<ul>

<li>VariousShit1</li>

<li>VariousShit2</li>

<li>VariousShit3</li>

</ul>

<a></a> - Anchor tag - you can anchor link in there with attribute f. e. href=”put here your URL, URI or whatever”

<a href=””><a>

<img src=””> - adds a image from external file (don’t have an enclosing tag). alt=”” will show text in place of image if browser failed to load image specified in reference, but it is always readied by Screenreader.

<!-- Various shit. Again --> - comment.

<div></div> - generic container that groups elements together (block type)

<span></span> - the same as above but inline type

<hr> - horizontal divider - adds a line that can by styled with CaSS

<br> - breaks the line

<sup></sup> - superscript

<sub></sub> - subscript

[**https://dev.w3.org/html5/html-author/charref**](https://dev.w3.org/html5/html-author/charref) **- entity codes**

**< , & - reserved HTML characters - do NOT use them as a text**

Semantic - relating to meaning

<section> <article> <nav> <main> <header> <footer> <aside> <summary> <details>

<figure> <time>

All of them are just DIVs but more meaningful

# TABLES AND FORMS

<table> creates a table

<td> - cell in a table

<th> table header

<tr> - table row

<thead></thead> - used for semantics, container for headers of table

<tbody></tbody> - used for semantics, container for body of table

## Structure of table - 2 rows and 3 cols with header

<table>

<tr>

<th>header1</th>

<th>header2</th>

<th>header3</th>

</tr>

<tr>

<td>Content</td>

<td>Content</td>

<td>Content</td>

</tr>

<tr>

<td>Content</td>

<td>Content</td>

<td>Content</td>

</tr>

</table>

## Input types

<label for=””> - used for labeling the input fields. For=”” parameter should contain ID of input that certain label belongs to.

* <input type="button">
* <input type="checkbox">
* <input type="color">
* <input type="date">
* <input type="datetime-local">
* <input type="email">
* <input type="file">
* <input type="hidden">
* <input type="image">
* <input type="month">
* <input type="number">
* <input type="password">
* <input type="radio">
* <input type="range">
* <input type="reset">
* <input type="search">
* <input type="submit">
* <input type="tel">
* <input type="text">
* <input type="time">
* <input type="url">
* <input type="week">

<textarea></textarea> - I don’t know what it is. Figure it out by yourself.

<select>

<option></option>

<option></option>

<option></option>

<option></option>  
</select> - expandable list

# CSS

Linking CSS style sheet

    <link rel="stylesheet" href="style.css">

## CSS properties

color - color of text

background-color - idk, I’m too stupid to figure it out.

Color systems

Color picker - https://htmlcolorcodes.com/color-picker/

RGB - red, green blue channels. Each channel ranges from 0-255

Hexadecimal - the same as above but in written in hexadecimal system

Text properties

text-align - I don’t know how should I put this

font-weight - thickness of font, can be set with keywords(bold) or with numeric value (700)

text-decoration - sets an appearance of decorative lines, can include color of line, thickness , ,position or/and style

line-height- sets space between lines of text

letter-spacing - sets space between letters

font sizes

|  |  |
| --- | --- |
| Relative | Absolute |
| EM | Px |
| REM | Pt |
| VH | Cm |
| VW | In |
| % | Mm |
| And more! |  |

font-family - sets multiple in-built fonts in order, and one those fonts is used when previous ones are unavailable in clients machine

## CSS selectors

\* { - universal selector, apply style to all objects on page

color: black

}

img { - selects all objects of type used in selector

color : black

}

h1, h2 { - selects multiple elements

color : black

}

#idHere { - selects element by given ID

color : black

}

.className { - selects by given class

color : black

}

element1, element 2 { - selects all elements 2 nested in element 1

color: black

}

element 1 + element 2 { - selects only the elements 2 that are immediately preceded by element 1 -

color: black

}

element 1 > element 2{ -selects only the elements 2 that are direct children of a elements 1

color: black

}

element[attribute=””]{ -selects all specified elements with specified attribute

color : black f. e. input[type=”text”] {

} color : black }

**Pseudo classes**

element:hover - apply only to elements that mouse is hovering over

:active

:checked

:not()

:first

:first-child

:nth-child()

:nth-of-type()

Pseudo-elements - select part of an element (first letter f. e.)

Borders

border-radius - set radius of border’s corner. Set to 50% gives you a CIRCLE

border-width - figure it you by yourself, border-style - style of border f. e. dotted, ~~metal gear~~ solid, dashed etc.

border-left-PROPERTYNAME -

border-right-PROPERTYNAME -

border-top-PROPERTYNAME -

border-bottom-PROPERTYNAME - allows you to style every side of border individually

box-sizing : border-box; - sets behavior of border, if it will be added to size of element or included within its box model

padding - sets space between content and its border

<https://easings.net/>

# Flexbox

Allows to distribute space between elements and size of elements dynamically inside if container.

display : flexbox - settable in container in order to tun him into Flexbox

Main axis - default from left to right

Cross axis - default from top to bottom

Flex-direction - change direction of main axis; row - default: row-reverse; right to left;

column - top to bottom; column-reverse : bottom to top

justify-content - changes how elements/ content is distributed across main axis.

STRONGLY DEPENDS ON FLEX-DIRECTION VALUE,

Flex-start : align content in the start of axis

Flex-end : align content in the end of axis

Center - align content in the center of main axis together

Space-between: distribute space between content on main axis and NOT outside of elements

Space-around - distribute space between AND outside the elements on main axis

Space-evenly - distribute space between elements and outside elements EVENLY on main axis

Flex-wrap : changes how elements are going to wrap along main axis into new main axis’

STRONGLY DEPENDS ON flex-direction VALUE, AND justify-content VALUE

wrap -

wrap-rewerse

align-items - changes how elements/content is distributed along cross axis

align-content - same as justify- content but applies to cross axis

flex-basis - sets initial size of elements on main axis

flex-grow controls the amount of available space an element should take up. Accepts a unit-less number value

flex-shrink - if items are larger than the container, they shrink according to flex-shrink

media queries - allows us to modify styles depends on particular parameters like screen width or device typeS

# JAVASKRIPT

## String methods

indexOf() - returns a index of a specified in brackets part of string. -1 if not found

slice(x, y) - extracts portion of a string from x to y. X is not included

replace(x, y) - replace portion of a string specified in x with portion specified in y.

trim() - removes white spaces on beginning and the end of string.

## Array methods

Push() - add to end

Pop() - remove from end

Unshift() - add to start

Shift() - add to start

Concat() - merge 2 arrays

Includes() - returns an boolean depending if array contain value specified in brackets

indexOf() - returns index of element specified in brackets

reverse() - reverse an array in place.

Slice() - copy an portion of an array

Splice() - change or remove an element and adds a new one in that place

Needs 3 parameters startingIndex, numberOfItemsToDelete, itemItself1, itemItslef2.

Sort() -