מסלול Full Stack

קמפוס ת"א
זום 2021
שם המרצה: דורון אזולאי

ברוכים הבאים!

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המרכז הבינלאומי
ללימודי הייטק וחדשנות

Lesson Agenda

- Load CSS – inline, element, external
- Selector Combination
- Smart Use
- Position
- Properties and Values
    - Basic
    - Box Model
- Exercise
- Q&A

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Load CSS:

Three ways to load css:

Inline:

```html
<h1 style="color:red;">Hello World.</h1>
```

Style:

```html
<style>
    h1{
        color:red;
    }
</style>
```

External:

```html
<link rel="stylesheet" href="mystyle.css">
```

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Selector Combination :

tag and class:

```
a.btn{
    display: inline-block;
    color:white;
    padding: 10px 15px;
}
a.btn-1{
    background-color: green;
}

<a class="btn btn-1" href="#">Button 1</a> <br>
<button class="btn btn-1" href="#">Button 2</button>
```

multi class:

```
button.btn.btn-2{
    display: inline-block;
    color:white;
    padding: 10px 15px;
    background-color: red;
}

<a class="btn btn-2" href="#">Button 1</a> <br>
<button class="btn btn-2" href="#">Button 2</button>
```

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Selector Combination : child select

child tag:

```css
p span{
    background-color: lightcoral;
}
<p>Some - <span>Example</span> - 3</p>
<span>some regular span</span>
```

Some - `Example` - 3

some regular span

child class:

```css
p .my-marker{
    background-color: lightcoral;
}

<p>Some - <span class="my-marker">Example</span> - 4</p>
```

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Smart use:

Try to create efficient classes to use:

```css
.btn{
    color:white;
    padding: 10px 15px;
    display: inline-block;
}
.btn-1{
    background-color: green;
}
.btn-2{
    background-color: purple;
}
.btn-3{
    background-color: dodgerblue;
}
```

```html
<a class="btn btn-1" href="#">Button 1</a> <br>
<a class="btn btn-2" href="#">Button 2</a> <br>
<a class="btn btn-3" href="#">Button 3</a>
```

In Class Exercise:

- create folder – inClassExercise3
- create one file
    - navbar.html

Navbar Page

Create a page that navigation bar
Logo and links

Design

add style to body
add style to navigation bar and links

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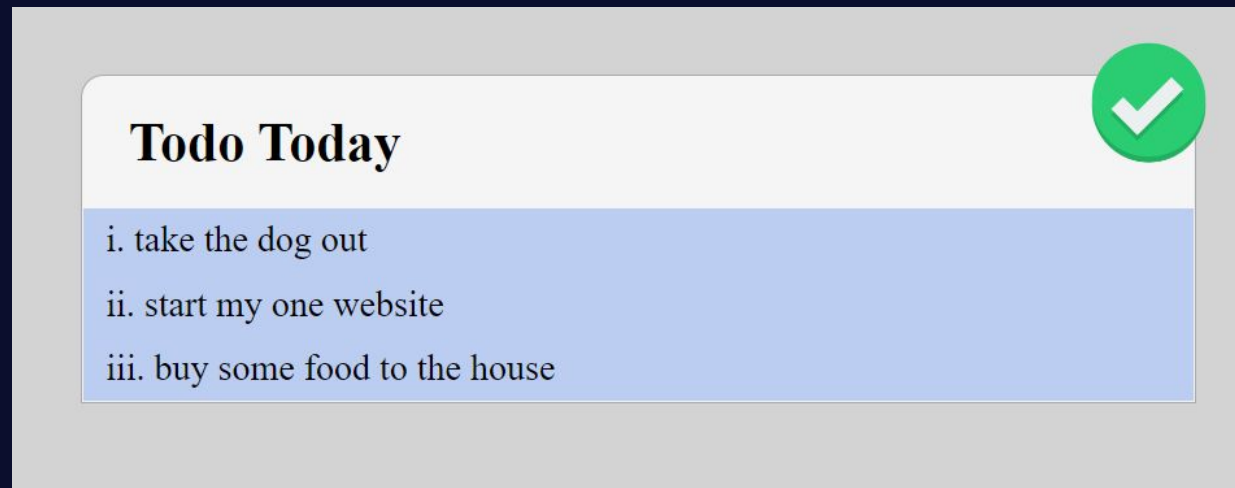
In Class Exercise:

- create folder – inClassExercise3
- create one file
  - todo-list.html

Todo list Page

Create a page that displays
list of the things need to do

Design

add style to body
add style to list and list items

Todo Today

i. take the dog out

ii. start my one website

iii. buy some food to the house

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Position: State

CSS Syntax:

position: static | absolute | fixed | relative | sticky | initial | inherit;

Position: Coordinates

When using a **non-static** position value:

- **top** ,**left** ,**bottom** ,**right**

Value	Description
static	Default value. Elements render in order, as they appear in the document flow
absolute	The element is positioned relative to its first positioned (not static) ancestor element
fixed	The element is positioned relative to the browser window
relative	The element is positioned relative to its normal position, so "left:20px" adds 20 pixels to the element's LEFT position
sticky	The element is positioned based on the user's scroll position

A sticky element toggles between `relative` and `fixed`, depending on the scroll position. It is positioned relative until a given offset position is met in the viewport - then it "sticks" in place (like position:fixed).

Note: Not supported in IE/Edge 15 or earlier. Supported in Safari from version 6.1 with a -webkit- prefix. |
| initial | Sets this property to its default value. Read about _initial_ |
| inherit | Inherits this property from its parent element. Read about _inherit_ |

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Box Shadow: more – https://www.w3schools.com/cssref/css3_pr_box-shadow.asp

CSS Syntax:

box-shadow: none | h-offset v-offset blur spread color | inset | initial | inherit;

Value	Description	Demo
none	Default value. No shadow is displayed	
h-offset	Required. The horizontal offset of the shadow. A positive value puts the shadow on the right side of the box, a negative value puts the shadow on the left side of the box	
v-offset	Required. The vertical offset of the shadow. A positive value puts the shadow below the box, a negative value puts the shadow above the box	
blur	Optional. The blur radius. The higher the number, the more blurred the shadow will be	
spread	Optional. The spread radius. A positive value increases the size of the shadow, a negative value decreases the size of the shadow	
color	Optional. The color of the shadow. The default value is the text color. Look at CSS Color Values for a complete list of possible color values. **Note:** In Safari (on PC) the color parameter is required. If you do not specify the color, the shadow is not displayed at all.	
inset	Optional. Changes the shadow from an outer shadow (outset) to an inner shadow	
initial	Sets this property to its default value. Read about initial	
inherit	Inherits this property from its parent element. Read about inherit	

CSS Basic: commons more – https://www.tutorialrepublic.com/css-reference/css3-properties.php

Property name	Value	Use for	Example
width | height	px,em,rem,%,vw,vh	box width & height	width:150px; | height:20em;
min-width | min-height	px,em,rem,%,vw,vh	box min width & height	min-width:100%; | min-height:15rem;
max-width | max-height	px,em,rem,%,vw,vh	box max width & height	max-width:50%; | max-height:150px;
position	static|absolute|fixed|relative|sticky|initial|inherit	element position state	position:absolute;
top | left | right | bottom	px,em,rem,%	position the element	top 0px; | right:0px;
box-shadow	none|h-offset v-offset blur spread color |inset|initial|inherit;	box back shadow	box-shadow:0 0 4px 1px red;
display	block, inline,inline-block,none	element flow in the page	

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CSS3 Examples - https://www.tutorialrepublic.com/css-examples.php

Exercise:

- create folder – exercise5
- create one file
  - personalPage.html

Personal Page

Create a page that displays
navigation bar – with 3 link and logo
todo list row – with 2 todo lists
todo today, todo tomorrow
message box – make message in the
bottom right of the page

Todo Today

i. take the dog out

ii. start my one website

iii. buy some food to the house

Todo Tomarrow

i. take the dog out

ii. start my one website

iii. buy some food to the house

This is Some message

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Q&A

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