

מסלול Full Stack

קמפוס ת"א

זום 2021

שם המרצה: דורון

אזולאי



ברוכים הבאים



Lesson Agenda

- Why Fixed Size is WRONG
- Size Units
- Flex – intro
 - flow
 - align
- Properties and Values
- Exercise
- Q&A

Why Fixed Size is **WRONG**:

When we use a fixed size, the biggest problem is that it doesn't support different screen sizes and we have to start setting more sizes for each screen size

Better to use

min / max – size

Size Units:

Absolute Lengths

Unit	Description
cm	centimeters
mm	millimeters
in	inches (1in = 96px = 2.54cm)
px *	pixels (1px = 1/96th of 1in)
pt	points (1pt = 1/72 of 1in)
pc	picas (1pc = 12 pt)

Relative Lengths

Unit	Description
em	Relative to the font-size of the element (2em means 2 times the size of the current font)
ex	Relative to the x-height of the current font (rarely used)
ch	Relative to width of the "0" (zero)
rem	Relative to font-size of the root element
vw	Relative to 1% of the width of the viewport*
vh	Relative to 1% of the height of the viewport*
vmin	Relative to 1% of viewport's* smaller dimension
vmax	Relative to 1% of viewport's* larger dimension
%	Relative to the parent element

Flex – intro

CSS Flexbox Layout Module

Before the Flexbox Layout module, there were four layout modes:

- Block, for sections in a webpage
- Inline, for text
- Table, for two-dimensional table data
- Positioned, for explicit position of an element

The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.

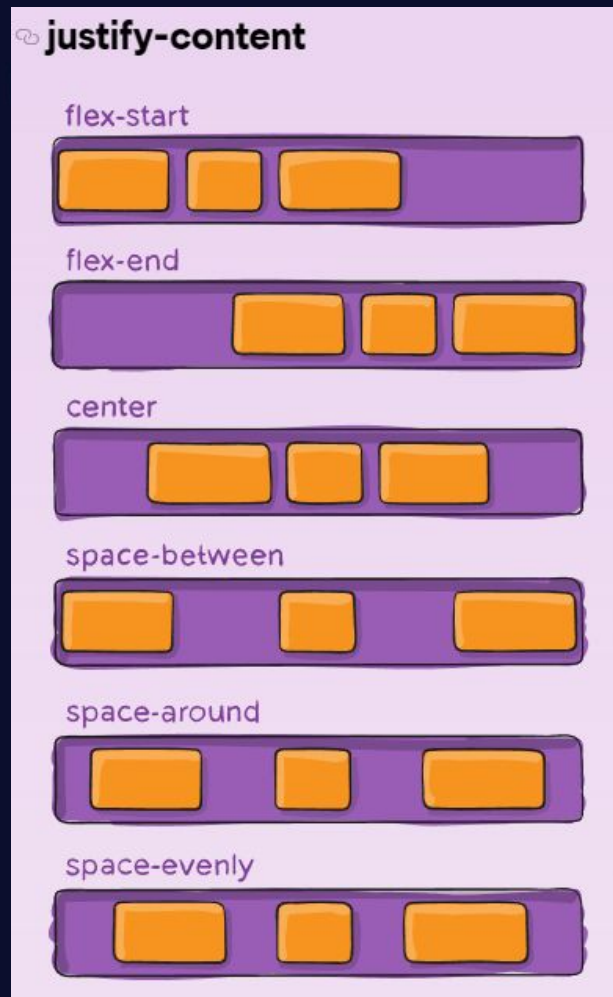
```
<style>
  .flex-container {
    display: flex;
    background-color: DodgerBlue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    margin: 10px;
    padding: 20px;
    font-size: 30px;
  }
</style>

<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
</div>
```

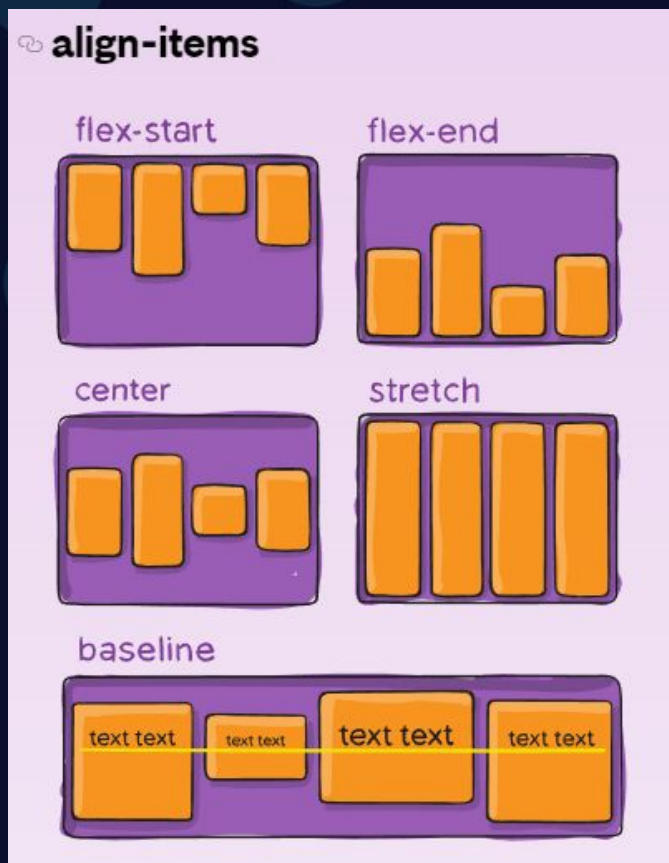


Flex H Flow: justify-content

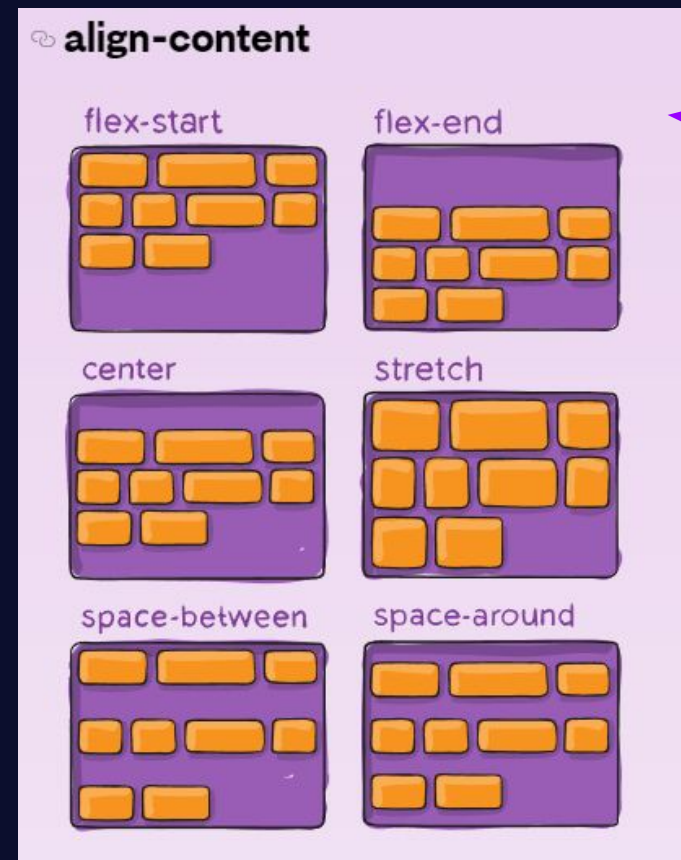


```
.container {  
  justify-content: start;  
}
```

Flex V Flow: align-items & align-content



```
.container {  
  align-items: center;  
}
```



```
.container {  
  align-content: center;  
}
```

משתמשים
במקרה של מקום
מיותר

In Class Exercise:

- create folder – inClassExercise4
- 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

Logo

Home About Gallery

F

Y

L

In Class Exercise:

- create folder – inClassExercise5
- create one file
 - gallery.html

Gallery Page

Create a page that displays gallery of images

Design

add style to body

add style and (:hover) to every img



CSS Basic: commons

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

Property name	Value	Use for	Example
justify-content	center,space-between,start,end	flex flow horizontal	justify-content:center;
align-items	center,space-between,stretch,start,end	flex flow vertical	align-items:center;
align-content	px,em,rem,%,vw,vh	box max width & height	max-width:50%; max-height:150px;
gap	px,em,rem,%	element position state	gap:5px;
row-gap	px,em,rem,%	position the element	row-gap:20px;
column-gap	px,em,rem,%	box back shadow	column-gap: 10px;
box-shadow	none h-offset v-offset blur spread color inset initial inherit;	box back shadow	box-shadow:0 0 4px 1px red;
display	flex	element flow in the page	display:flex;

Exercise:

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

Semi Portfolio Page

Create a page that displays

navigation bar – with 3 link and logo

todo list section – todo list with **name and date**

gallery section – image collection **with :hover style**

message box – make message in the bottom right of the page

Logo

Home About Gallery

F

Y

L

Todo List

Task Name

Task Date

Task Name

Task Date

Task Name

Task Date

Msg Box

Q&A



