



Front-End

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Css

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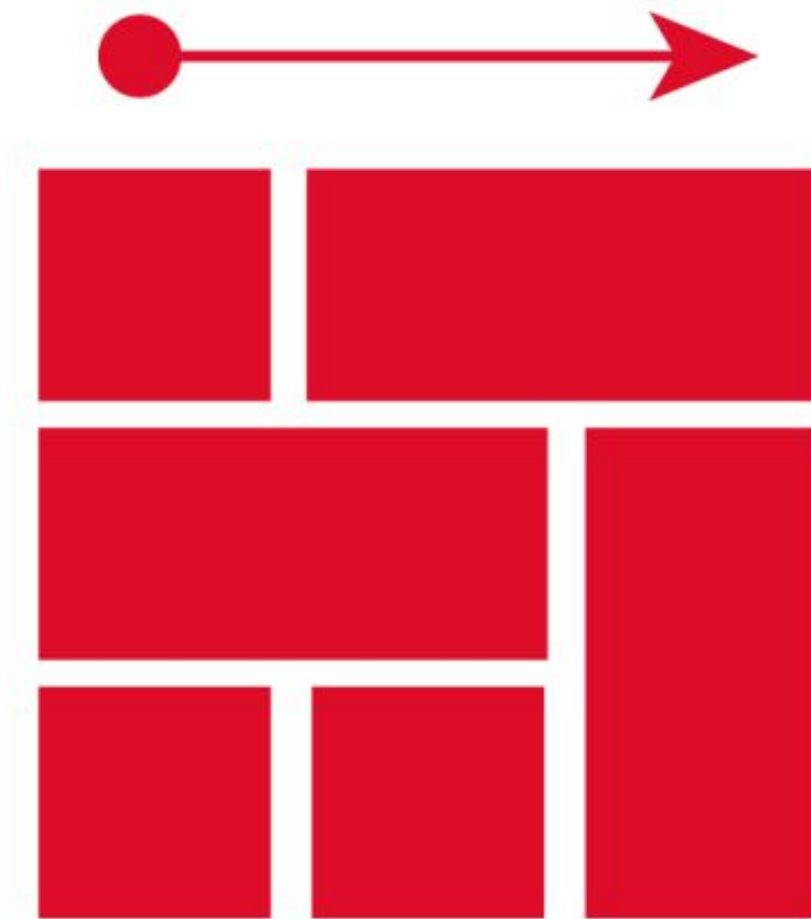


# CSS Grid or Flexbox



Flexbox

ONE DIMENSION



CSS Grids

TWO DIMENSIONS

# Flexbox

Properties for father element:

- display: flex => to start flex box
- flex-direction: (row , colum , row-reverse, column-reverse)
- flex-wrap:(nowrap , wrap , wrap-reverse)
- justify-content:(flex-start, flex-end ,center,space-between, space-around, space-evenly)

align-items:(stretch, center, felx-start, flex-end)

align-content:(stretch,

Properties for child elements:

- flex-grow: (0 , 1)

- flex-shrink: (1 , 0)

- order: (0, number you want)

flex-basis: (auto , any pesentage you want)

- align-self: (auto, stretch, center)



# CSS Grid basics

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As of March 2017, most browsers shipped native, unprefixed support for CSS Grid: Chrome (including on Android), Firefox, Safari (including on iOS), and Opera. Internet Explorer 10 and 11 on the other hand support it, but it's an old implementation with an outdated syntax. The time to build with grid is now! Grid is one of the most powerful CSS modules ever introduced.

## Parent

display: grid To get started you have to define a container element as a grid With grid-template-columns & grid-template-rows

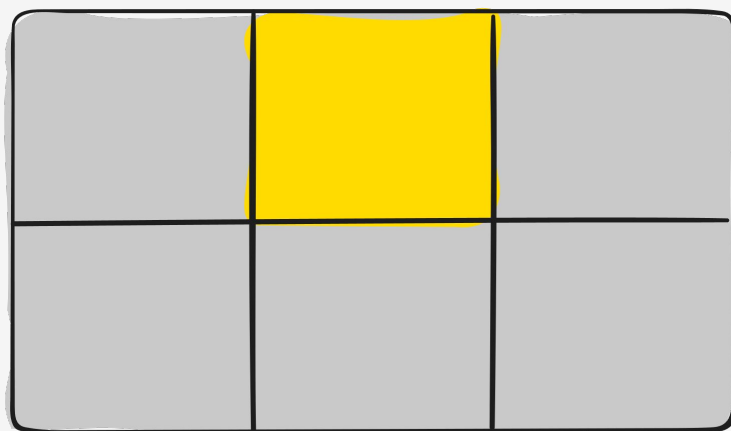
## child

elements into the grid with grid-column and grid-row.



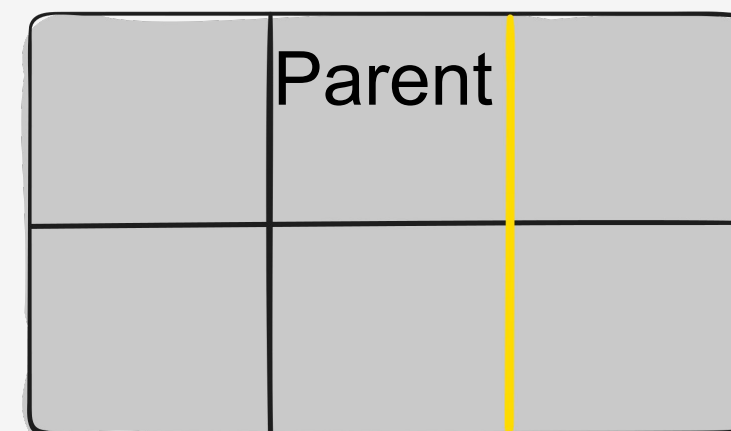
# Grid cell

child



# Grid

# Line





# display: grid



```
1 <div class="container"><!--parent-->
2   <div class="item-1">Item1</div><!--Child-->
3   <div class="item-2">Item2</div>
4   <div class="item-3">Item3</div>
5   <div class="item-4">Item4</div>
6   <div class="item-5">Item5</div>
7   <div class="item-6">Item6</div>
8
9 </div>
```



```
1  *{
2      margin: 0;
3  }
4
5  .container{
6      text-align: center;
7      display: grid;
8      height: 100px;
9      width: 800px;
10     background: gray;
11     color: white;
12     margin: 0 auto;
13     font-weight: bold;
14 }
15
16 .item-1{
17     background: burlywood;
18 }
19 .item-2{
20     background: purple;
21 }
22 .item-3{
23     background: steelblue;
24 }
25 .item-4{
26     background: palevioletred;
27 }
28 .item-5{
29     background: darkslateblue;
30 }
31 .item-6{
32     background: darkslategrey;
33 }
```



# CSS Grid properties

01

grid-template-rows  
grid-template-columns

**Parent**

1fr 1fr  
minmax(10px, 1fr) 3fr  
repeat(5, 1fr)  
50px auto 100px 1fr

02

grid-column-start  
grid-column-end  
grid-row-start

grid-row-end

<line> – can be a number to refer to a numbered grid line, or a name to refer to a named grid line  
span <number> – the item will span across the provided number of grid tracks  
span <name> – the item will span across until it hits the next line with the provided name  
auto – indicates auto-placement, an automatic span, or a default span of one

**child**



## Parent



```
1  /*grid-template-columns: 200px 200px 200px;
2  grid-template-rows: 1fr 1fr;
3  grid-template-columns: 1fr 1fr 1fr ;/*1fr+2fr=3fr*/
4  grid-template-columns: repeat(2 , 200px);/*process 3x(col[100]+col[200]*/
5  grid-template-rows: repeat(3 , minmax(100px , auto)) ;
6  grid-gap: 20px;
7  /*grid-column-gap: 20px;
8  grid-row-gap: 20px;
9  */
```

**grid-template-columns & rows**



child

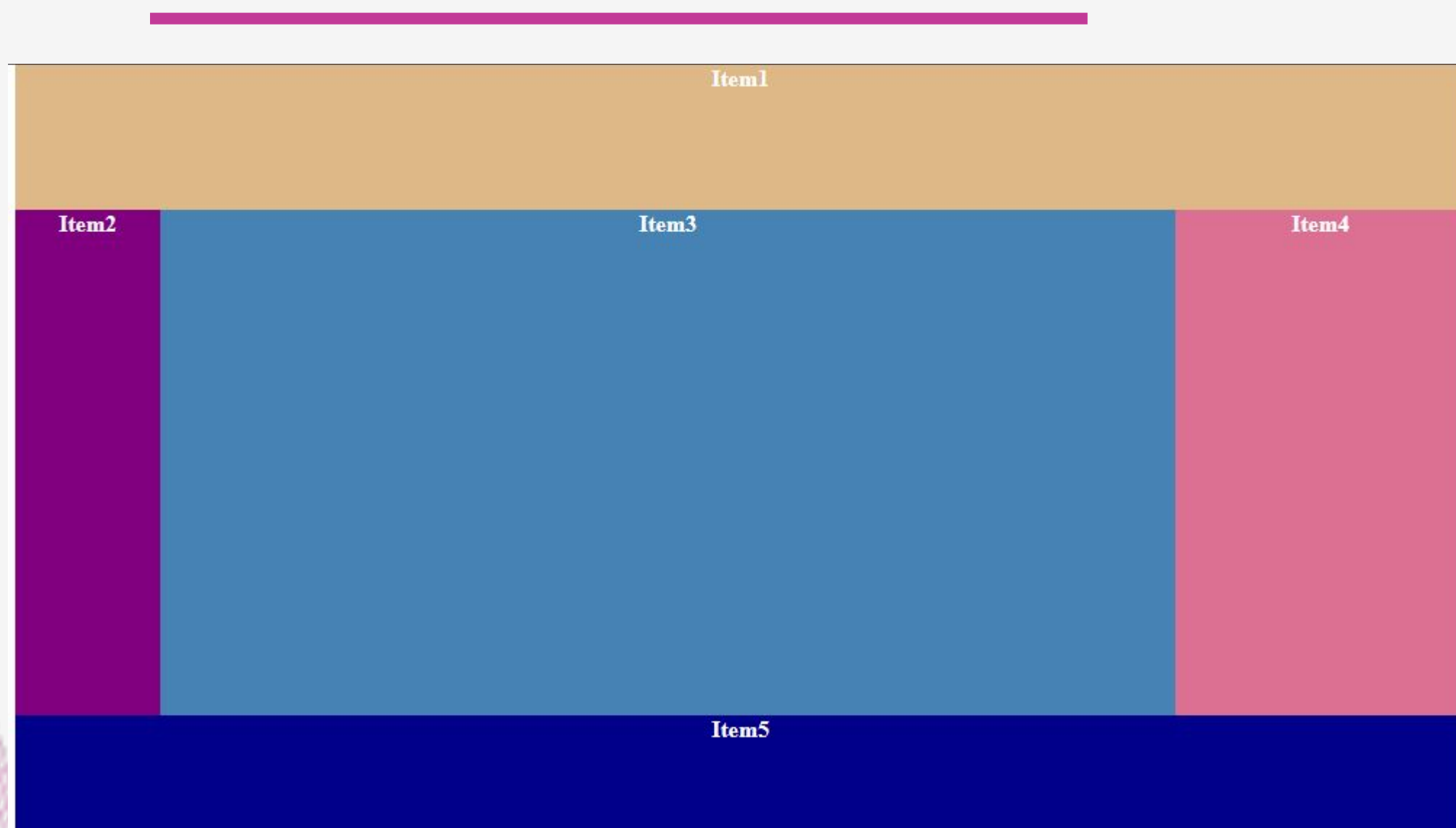
```
1  .item-2{  
2      background:purple;  
3  
4      grid-row-start: 1;  
5      grid-row-end: 2;  
6      grid-column-start: 3;  
7      grid-column-end: 4;  
8      opacity: .3;  
9  }
```

02

grid-column-start  
grid-column-end  
grid-row-start  
grid-row-end



# Grid-template-areas



```
1  grid-template-columns: 100px 1fr 200px;  
2  grid-template-rows: 100px 1fr 80px;  
3  grid-template-areas:  
4    "header header header "  
5    "sidebar main menu "  
6    "footer footer footer";  
7  
8  }  
9  .item-1{  
10     background: burlywood;  
11  
12     grid-area: header;  
13  }  
14  .item-2{  
15     background:purple;  
16     grid-area: sidebar;  
17  }  
18  }  
19  .item-3{  
20     grid-area: main;background: steelblue;  
21  
22  }  
23  .item-4{  
24     grid-area: menu;  
25     background:palevioletred;  
26  }  
27  .item-5{ grid-area: footer;  
28     background: darkblue;  
29  }
```



# Media Query

---

```
/* عندما يكون العرض أقل من 768 px */
```

```
@media (max-width: 768px) {  
  body {  
    font-size: 14px;  
  }  
}
```

**Media Query** in CSS is a feature that allows designers and developers to apply different CSS styles based on the characteristics of the user's device or screen size. It is commonly used to create responsive designs, ensuring that websites adapt to various screen sizes (like phones, tablets, and desktops).



# Tailwind Css



## TailwindCSS Cheatsheet

Last updated on November 9th, 2020 for TailwindCSS version 1.9.6

### LAYOUT

Container  
.container  
Box Sizing  
.box-[border|content]  
Display  
.block  
.inline-block  
.inline  
.flex  
.inline-flex  
.table  
.table-caption  
.table-cell  
.table-column  
.table-column-group  
.table-footer-group  
.table-header-group  
.table-row-group  
.table-row  
.flow-root  
.grid  
.inline-grid  
.contents  
.hidden  
Floats  
.float-[right|left|none]  
.clearfix  
Clear  
.clear-[left|right|both|none]  
Object Fit  
.object-[contain|cover|fill|none|scale-down]  
Object Position  
.object-bottom  
.object-center  
.object-left  
.object-left-bottom  
.object-left-top  
.object-right  
.object-right-bottom  
.object-right-top  
.object-top  
Overflow  
.overflow-[auto|hidden|visible|scroll]  
.overflow-x-[auto|hidden|visible|scroll]  
.overflow-y-[auto|hidden|visible|scroll]

### BOX ALIGNMENT

Justify Content  
.justify-[start|end|center|between|around|evenly]  
Justify Items  
.justify-items-[auto|start|end|center|stretch]  
Justify Self  
.justify-self-[auto|start|end|center|stretch]  
Align Content  
.content-[center|start|end|between|around|evenly]  
Align Items  
.items-[start|end|center|baseline|stretch]  
Align Self  
.self-[auto|start|end|center|stretch]  
Place Content  
.place-content-[center|start|end|between|around|evenly|stretch]  
Place Items  
.place-items-[auto|start|end|center|stretch]  
Place Self  
.place-self-[auto|start|end|center|stretch]

### SPACING

Padding  
.p|py|px|pt|pr|pb|pl-[0|1|2|3|4|5|6|10|12|16|20|24|32|40|48|56|64|px]  
Margin  
.m|my|mx|mt|mr|mb|ml-[0|1|2|3|4|5|6|10|12|16|20|24|32|40|48|56|64|auto|px]  
--m|my|mx|mt|mr|mb|ml-[0|1|2|3|4|5|6|10|12|16|20|24|32|40|48|56|64|px]  
Space Between  
.space-[x|y]-[0|1|2|3|4|5|6|10|12|16|20|24|32|40|48|56|64|px|reverse]  
--space-[x|y]-[0|1|2|3|4|5|6|10|12|16|20|24|32|40|48|56|64|px]

### SIZING

Width  
.w-[0|1|2|3|4|5|6|10|12|16|20|24|32|40|48|56|64|auto|px]  
.w-[1/2|1/3|2/3|1/4|2/4|3/4]  
.w-[1/5|2/5|3/5|4/5]  
.w-[1/6|2/6|3/6|4/6|5/6]  
.w-[1/12|2/12|3/12|4/12|5/12|6/12|7/12|8/12|9/12|10/12|11/12]  
.w-[full|screen]  
Min-Width  
.min-w-[0|full]  
Max-Width  
.max-w-[none|xs|sm|md|lg|xl|2xl|3xl|4xl|5xl|6xl|full]  
.max-w-screen-[sm|md|lg|xl]  
Height

### BACKGROUNDS

Background Attachment  
.bg-[fixed|local|scroll]  
Background Clip  
.bg-clip-[border|padding|content|text]  
Background Color  
.bg-[transparent|current|black|white]  
.bg-[color]-[100|200|300|400|500|600|700|800|900]  
Background Opacity  
.bg-opacity-[0|25|50|75|100]  
Background Position  
.bg-bottom  
.bg-center  
.bg-left  
.bg-left-bottom  
.bg-left-top  
.bg-right  
.bg-right-bottom  
.bg-right-top  
.bg-top  
Background Repeat  
.bg-repeat  
.bg-no-repeat  
.bg-repeat-x  
.bg-repeat-y  
.bg-repeat-round  
.bg-repeat-space  
Background Size  
.bg-[auto|cover|contain]  
Background Image  
.bg-none  
.bg-gradient-to-[t|tr|r|br|b|bl|l|tl]  
Gradient Color Stops  
.from-[transparent|current|black|white]  
.from-[color]-[100|200|300|400|500|600|700|800|900]  
..via-[transparent|current|black|white]  
.via-[color]-[100|200|300|400|500|600|700|800|900]  
.to-[transparent|current|black|white]  
.to-[color]-[100|200|300|400|500|600|700|800|900]

### BORDERS

Border Radius  
.rounded  
.rounded-[none|sm|md|lg|xl|2xl|3xl|full]  
.rounded-[t|r|b|l|tl|tr|bl|br]-[none|sm|md|lg|xl|2xl|3xl|full]



# Any Question

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