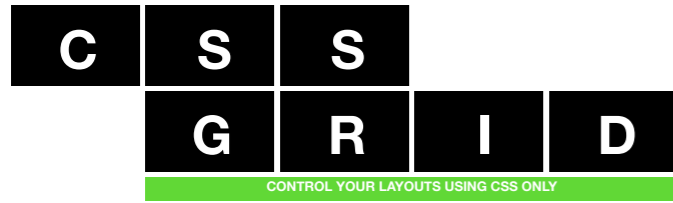
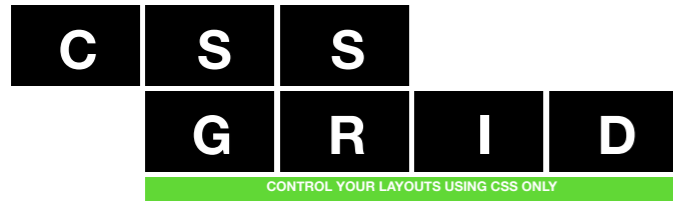


CSS GRID
CONTROL YOUR LAYOUTS USING CSS ONLY



Definition

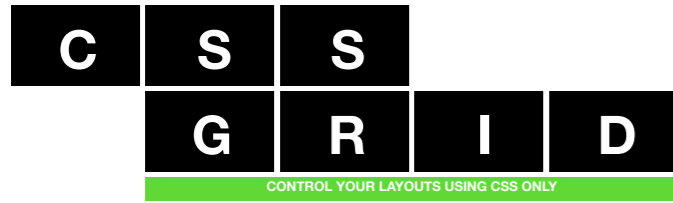
The CSS Grid Layout Module offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats and positioning.



History

Vroeger was alles beter... toch??

- **Tabellen**
- **Frames/Framesets**
- **Client-side image maps**
- **Transparent gif's**
- **Cascading Style Sheets (CSS)**
- **Divs / Floats / Position**



Frameworks

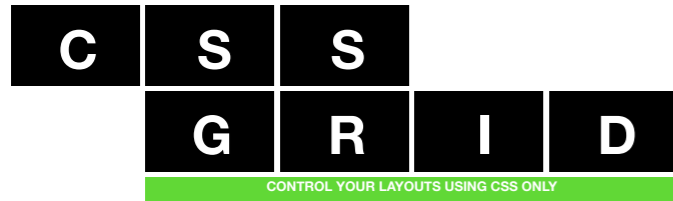
Bootstrap / Foundation

Flexbox

CSS GRID

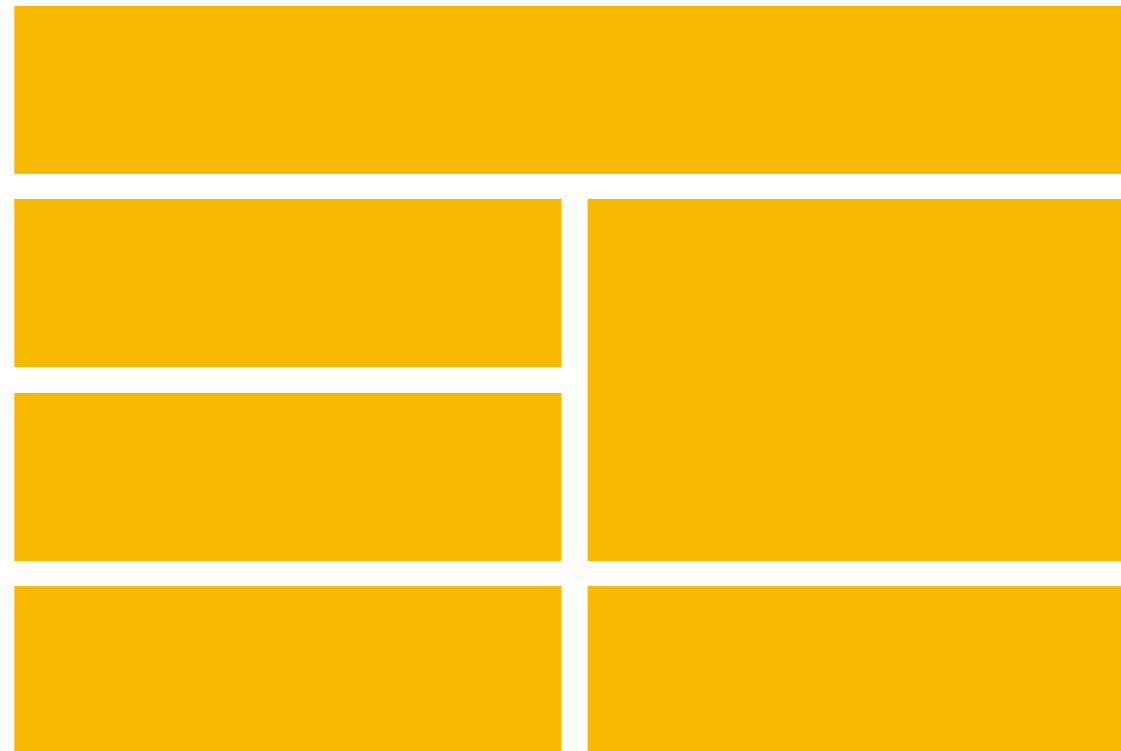
CONTROL YOUR LAYOUTS USING CSS ONLY

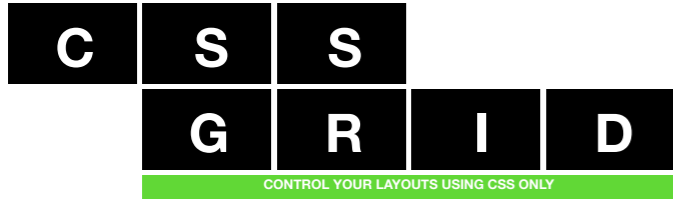
View mode: Aligned to "current" browsers *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
		74						
		75						
	17	68	76	12.1				4
² 11	18	69	77	12.1	12.3	all	76	12.12
	76	70	78	13	13			
		71	79	TP				
			80					



The Basics

CSS + HTML =

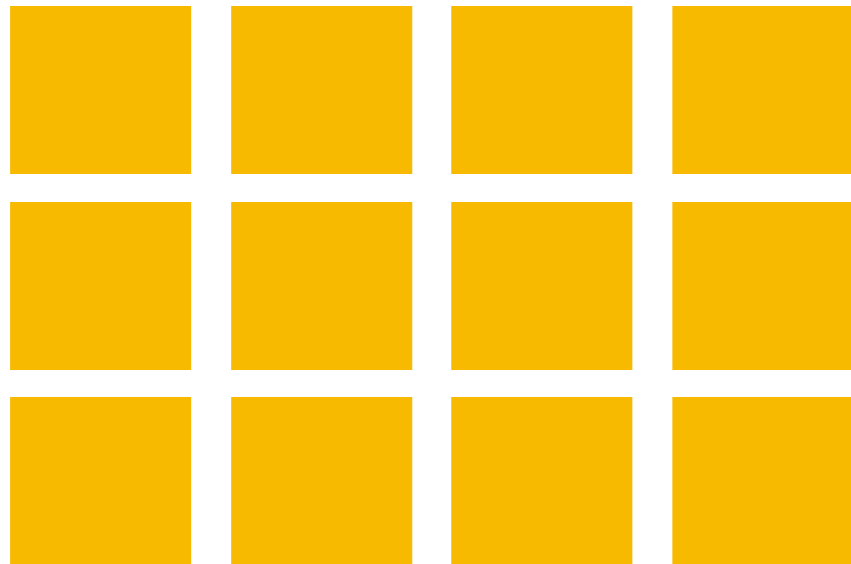




Responsiveness

CSS + HTML =

DESKTOP



MOBILE



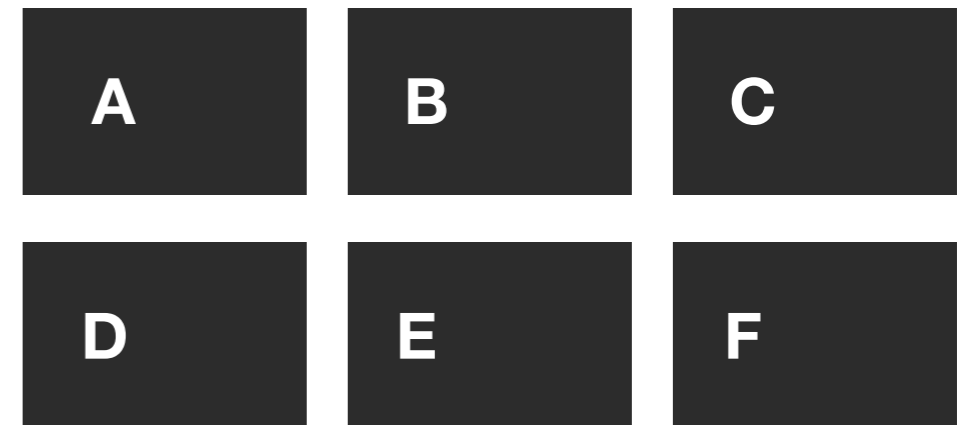
CSS

```
.wrapper {  
  display: grid;  
  grid-template-columns: 100px 100px 100px;  
  grid-gap: 10px;  
  background-color: #fff;  
  color: #444;  
}  
  
.box {  
  background-color: #444;  
  color: #fff;  
  border-radius: 5px;  
  padding: 20px;  
  font-size: 150%;  
}
```

HTML

```
<div class="wrapper">  
  <div class="box a">A</div>  
  <div class="box b">B</div>  
  <div class="box c">C</div>  
  <div class="box d">D</div>  
  <div class="box e">E</div>  
  <div class="box f">F</div>  
</div>
```

RESULT

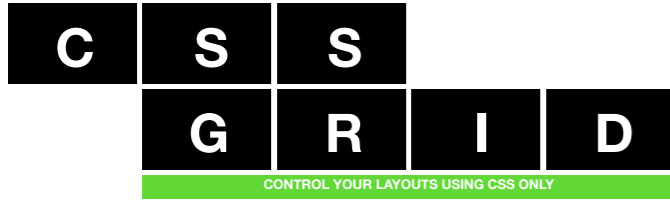


CSS

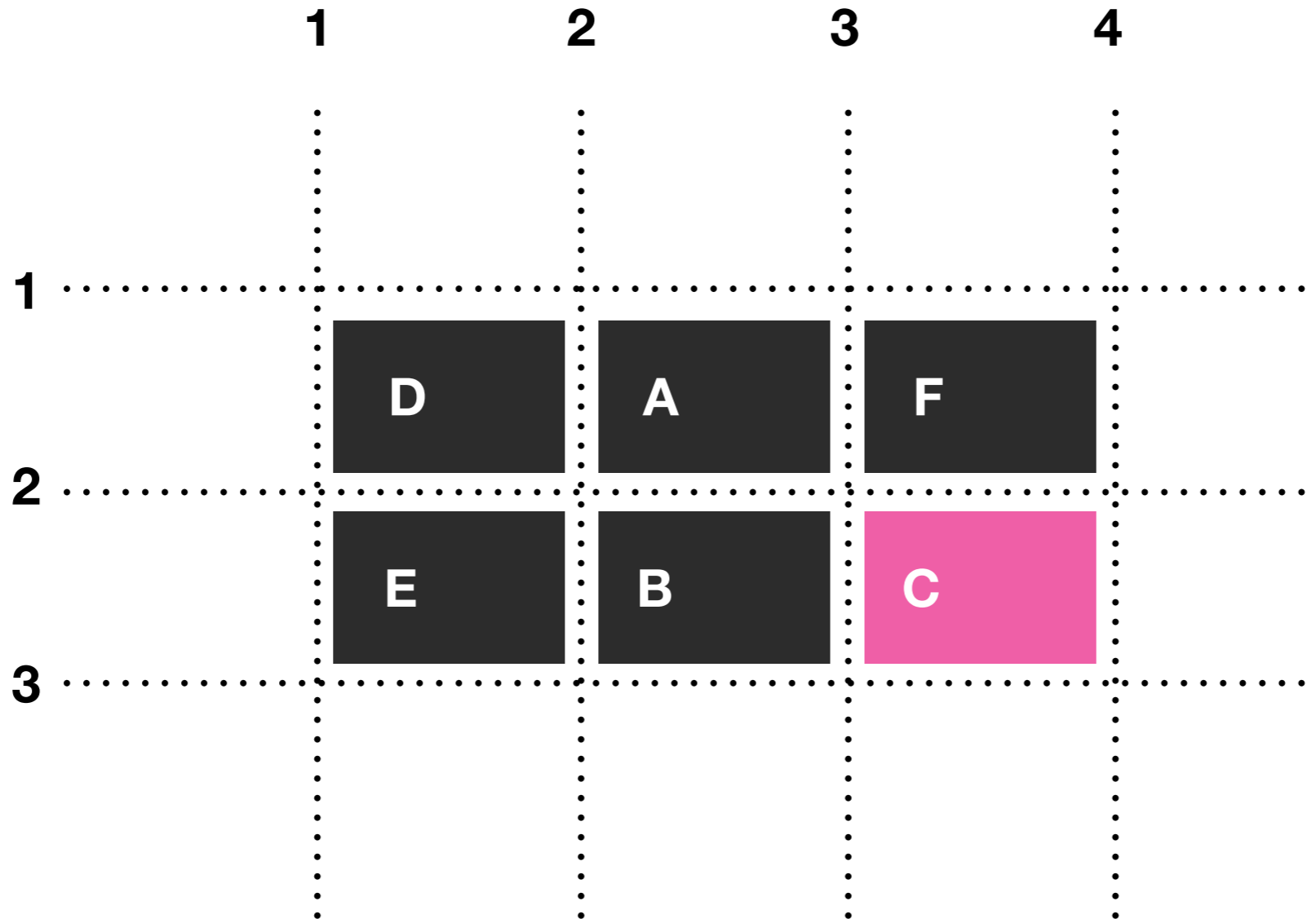
```
.a {  
  grid-column-start: 2;  
  grid-column-end: 3;  
  grid-row-start: 1;  
  grid-row-end: 2;  
}  
.b {  
  grid-column-start: 2;  
  grid-column-end: 3;  
  grid-row-start: 2;  
  grid-row-end: 3;  
}  
.c {  
  grid-column-start: 3;  
  grid-column-end: 4;  
  grid-row-start: 2;  
  grid-row-end: 3;  
}  
.d {  
  grid-column-start: 1;  
  grid-column-end: 2;  
  grid-row-start: 1;  
  grid-row-end: 2;  
}
```

RESULT

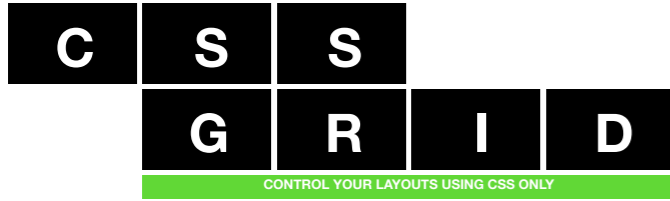
D	A	F
E	B	C



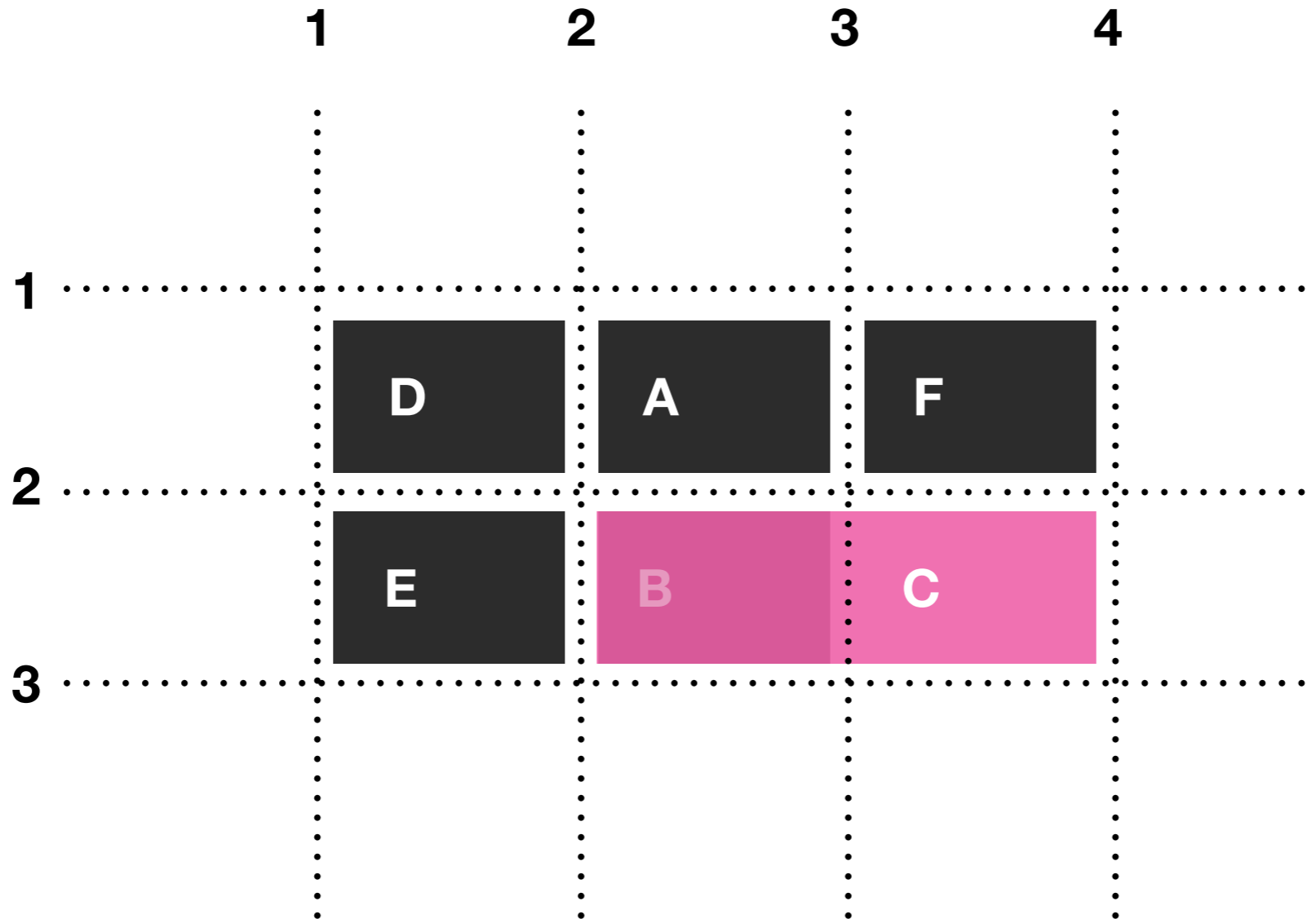
How to use



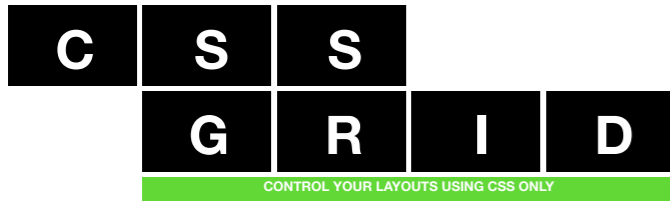
```
.c {  
    grid-column-start: 3;  
    grid-column-end: 4;  
    grid-row-start: 2;  
    grid-row-end: 3;  
}
```



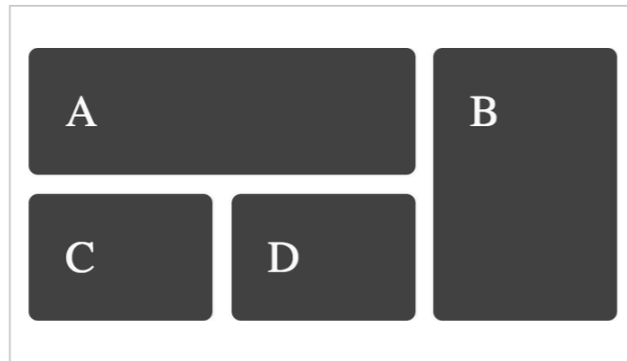
How to use



```
.c {  
  grid-column-start: 2;  
  grid-column-end: 4;  
  grid-row-start: 2;  
  grid-row-end: 3;  
}
```



Resources



Line-based placement spanning tracks

Positioning items which span more than one grid track.

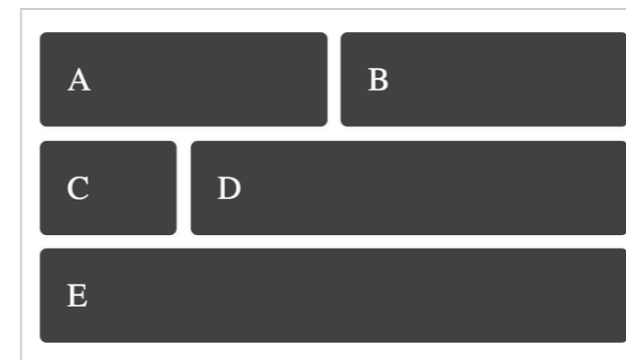
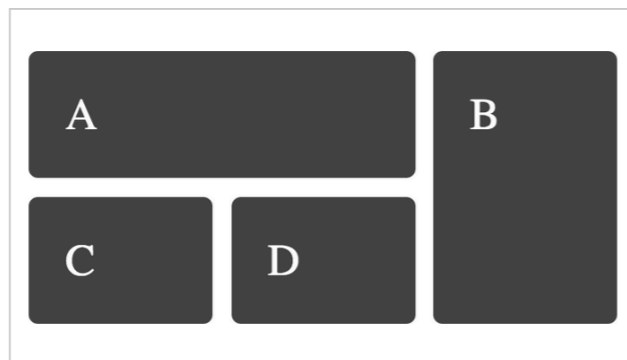
[View example](#) | [Read specification](#)

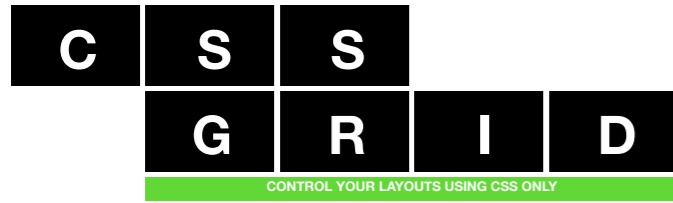


Line-based placement spanning tracks with the span keyword

The span keyword gives us a way to span tracks without needing to specify start and end lines.

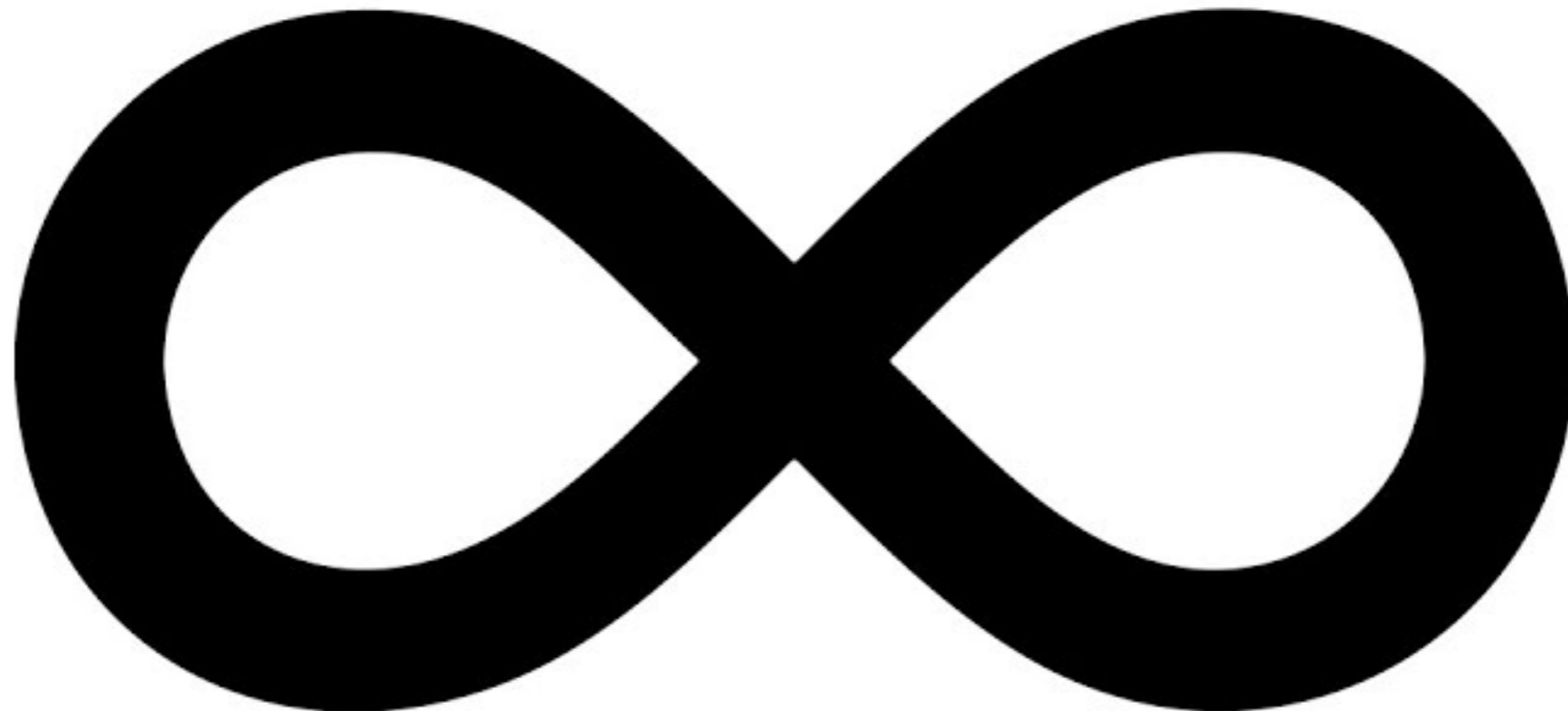
[View example](#) | [Read specification](#)

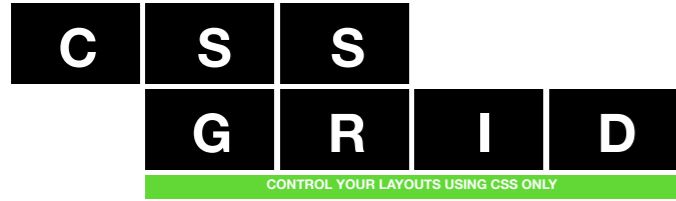




Possibilities

CSS + HTML + MEDIA QUERIES =





Live demo

C S S
G R I D
CONTROL YOUR LAYOUTS USING CSS ONLY