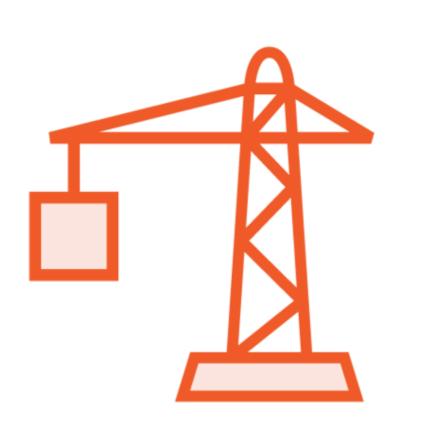
Positioning Items: In-depth



Keywords

Shorthands

Alignment and justification

Accessible grids

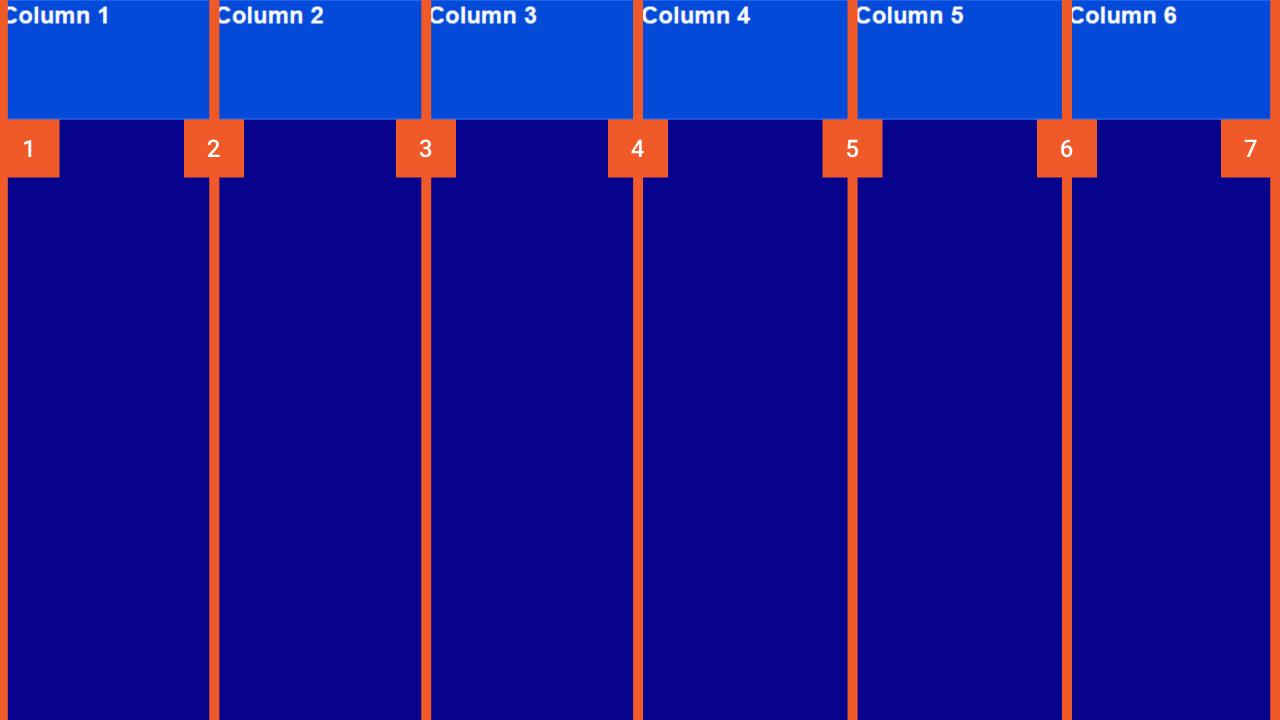
Improving our 12-column layout

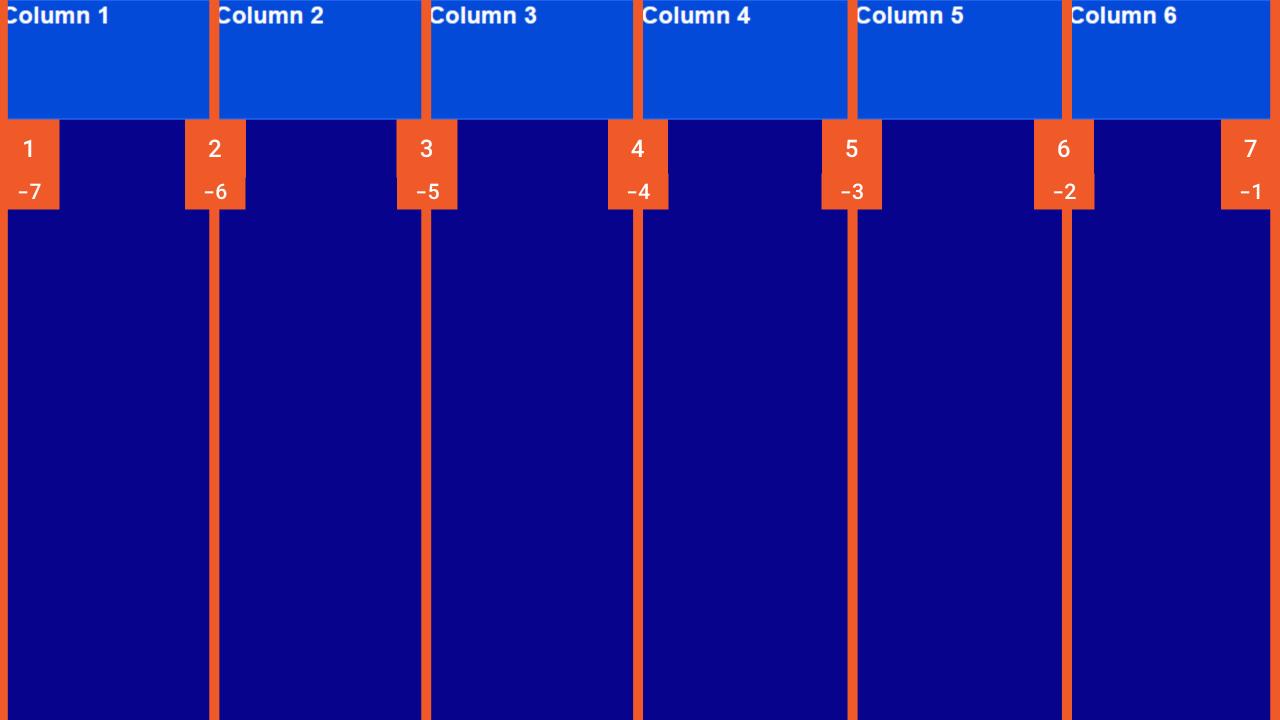


Up Next: Positioning Keywords



Column 1	Column 2	Column 3	Column 4	Column 5	Column 6





Avoid micromanaging when positioning items



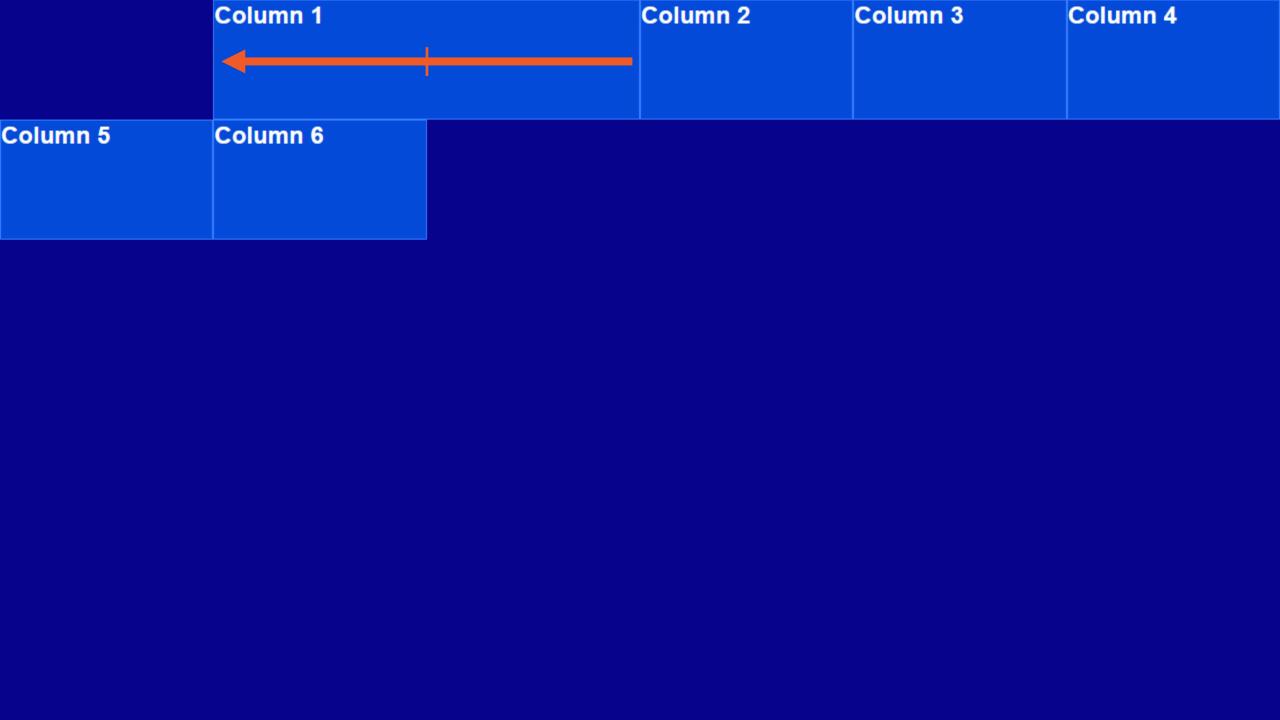
```
[grid item] {
    grid-column-end: span 2;
}
```

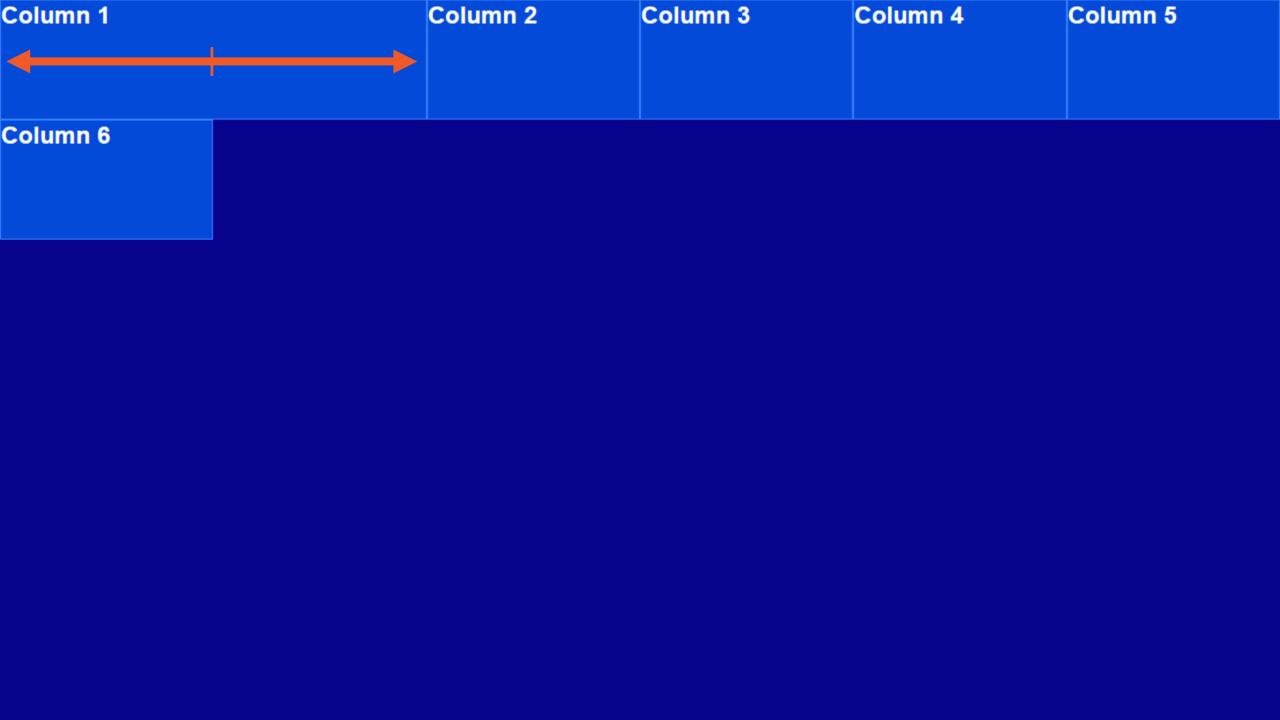
span

Instructs a grid item to span a certain number of tracks

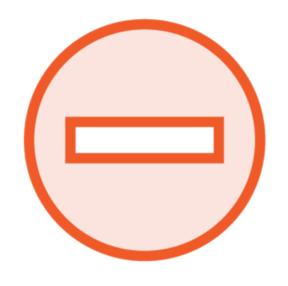








Positioning Alternatives



Negative grid lines



span keyword



Up Next: Positioning Shorthands



```
[grid item] {
    grid-column: 1 / 3;
}
```

grid-column

Shorthand to define grid-column-start and grid-column-end at once



```
[grid item] {
    grid-row: 2 / 6;
}
```

grid-row

Shorthand to define grid-row-start and grid-row-end at once



```
[grid item] {
    grid-area: 1 / 2 / 3 / 6;
}
```

grid-area

Shorthand to completely define an item's position in one property



Up Next: Alignment and Justification: Concepts



Alignment and Justification



You can only align an item when it's inside a container that has extra space



Types of Alignment We Can Set

Item

Container

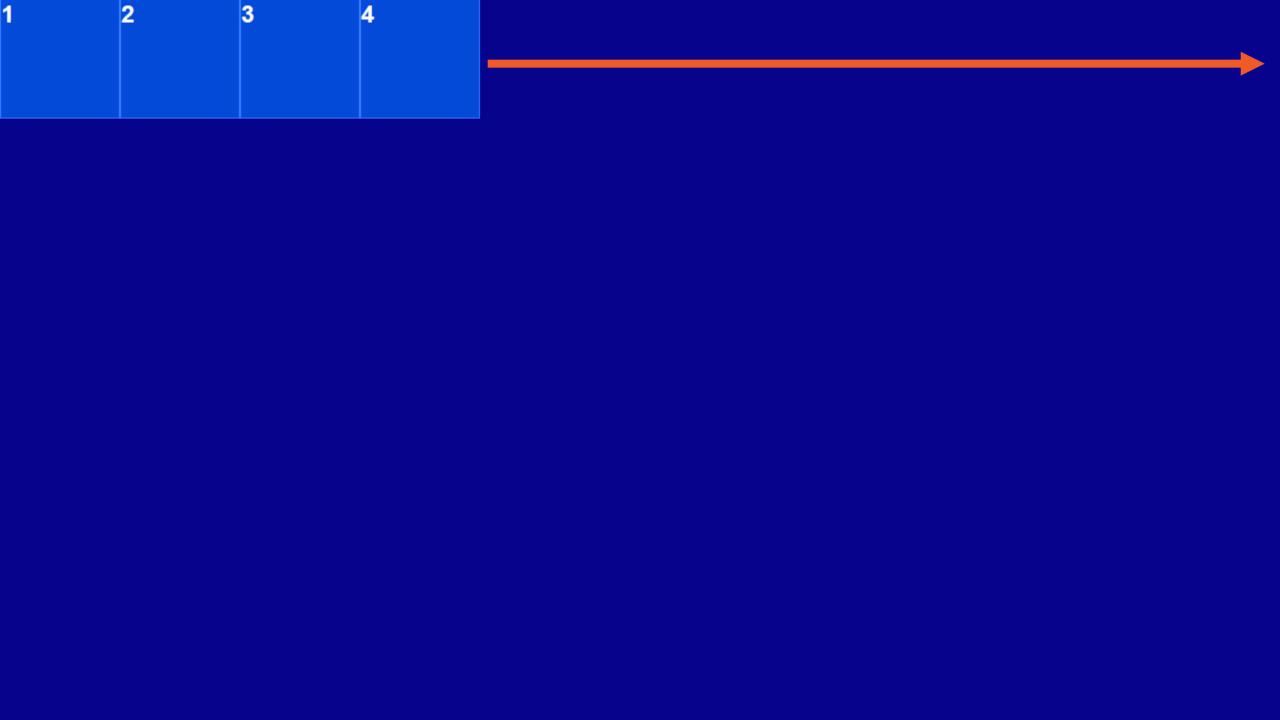
Grid

Webpage

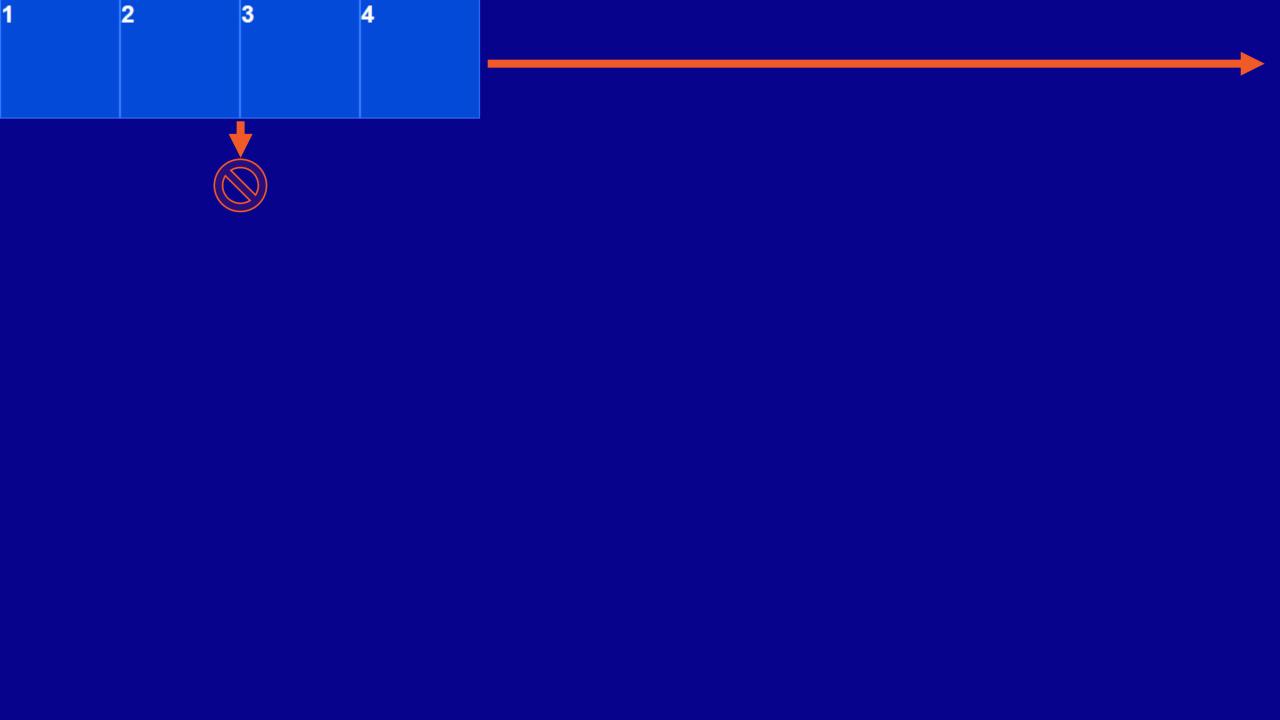
Content of grid cell

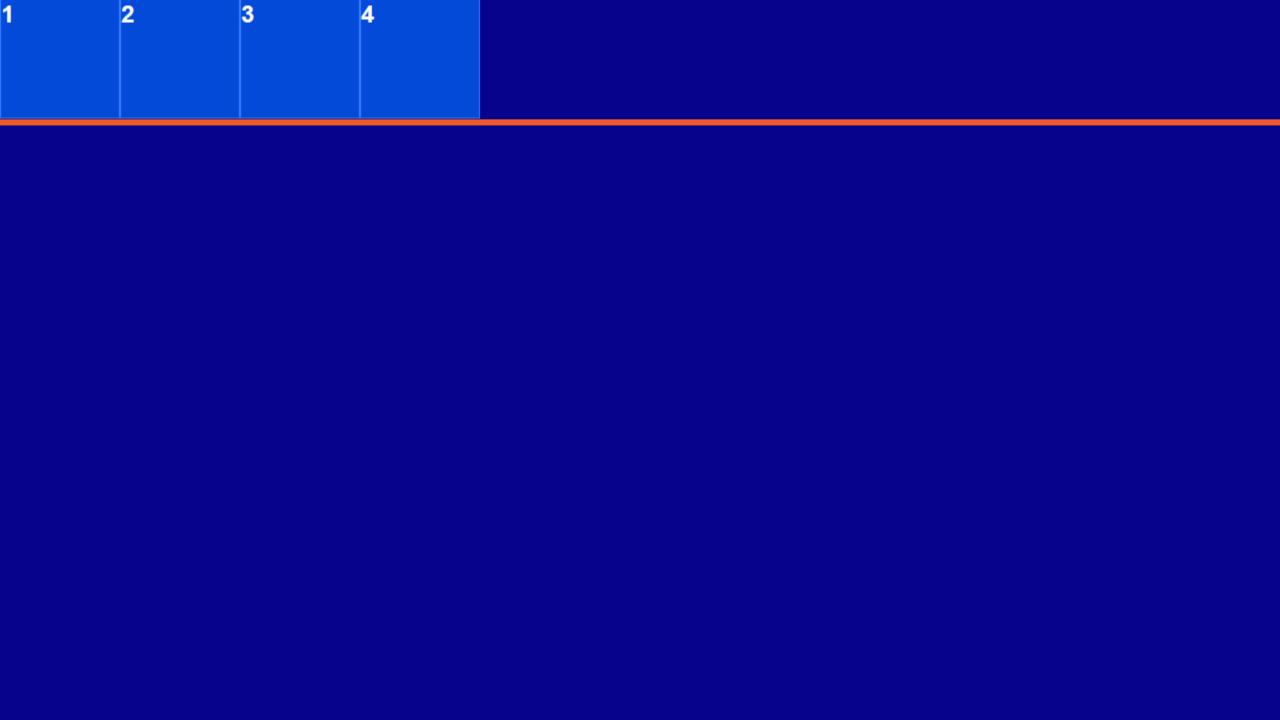
Grid cell





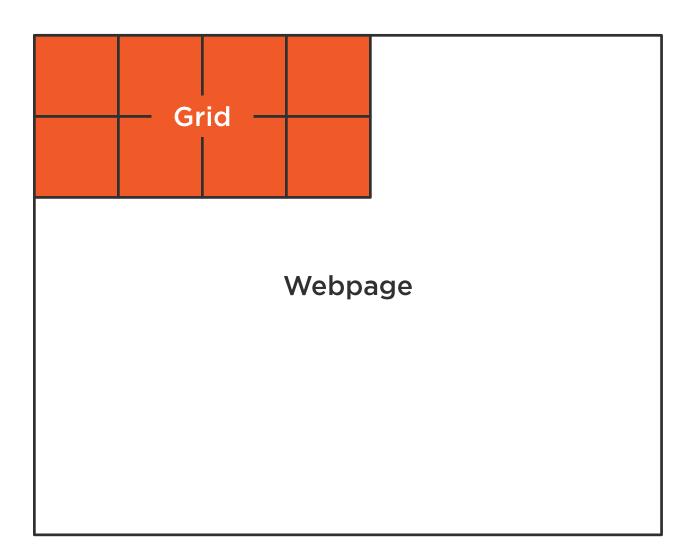


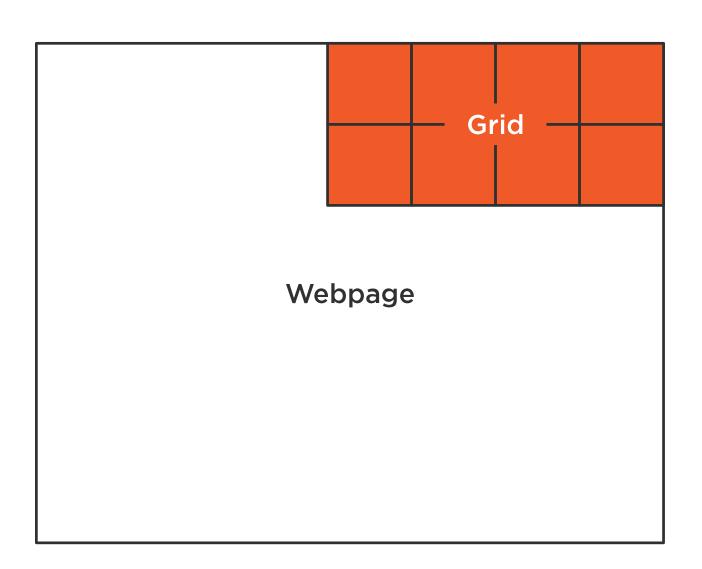


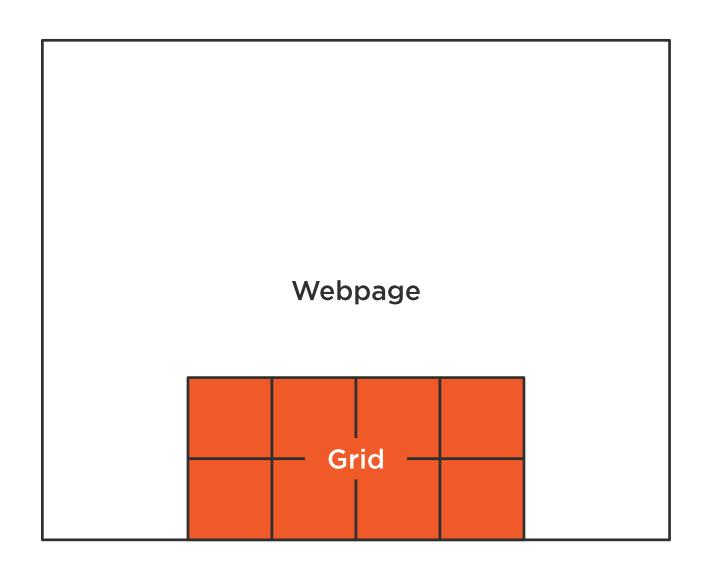


Up Next: Alignment and Justification: Properties

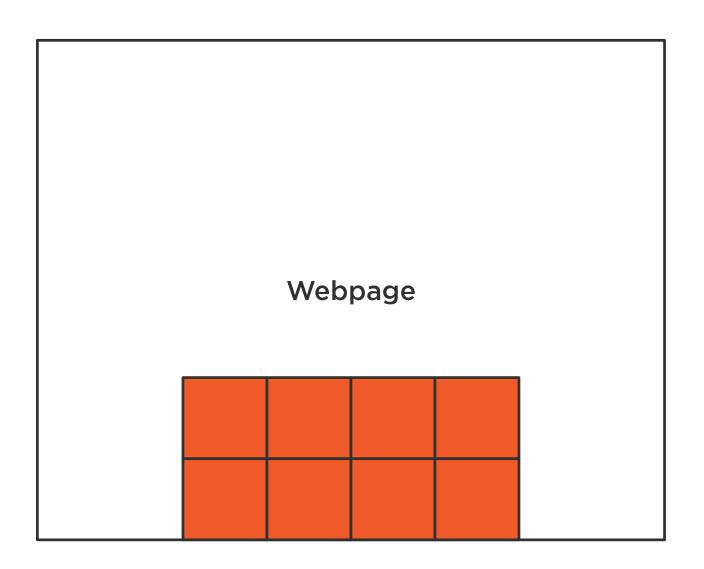


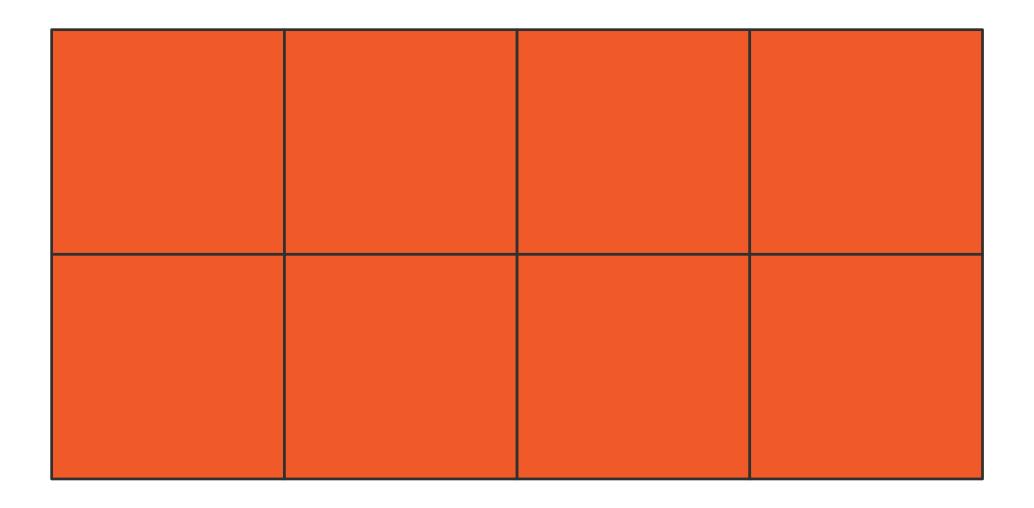




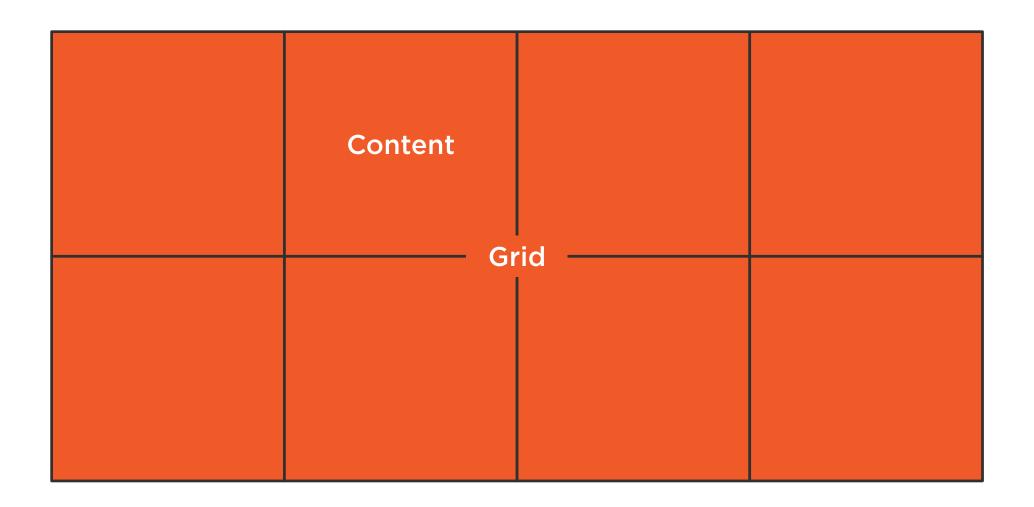




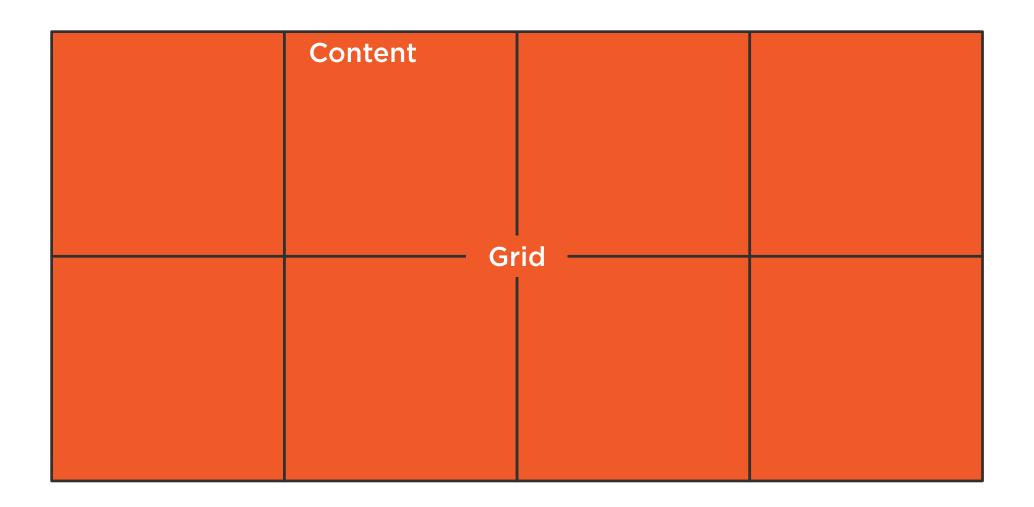




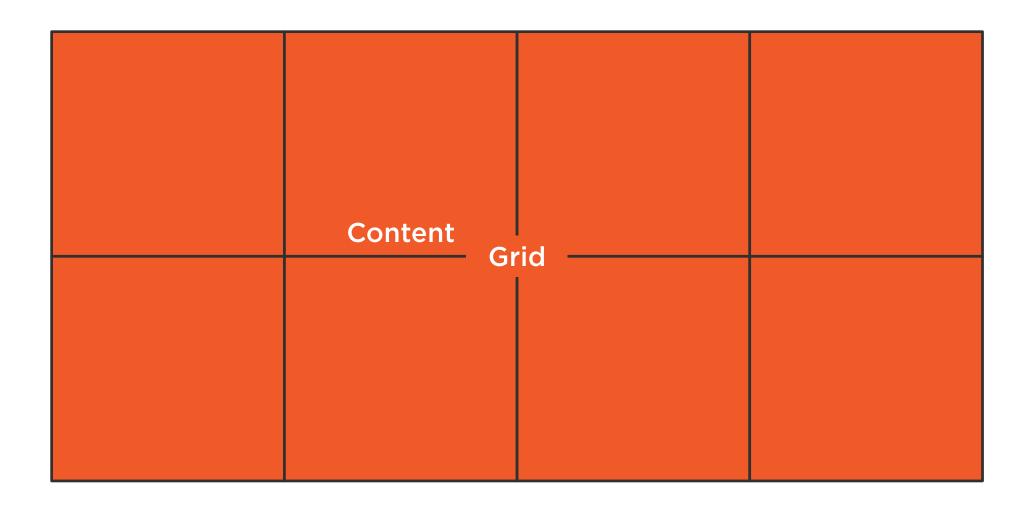






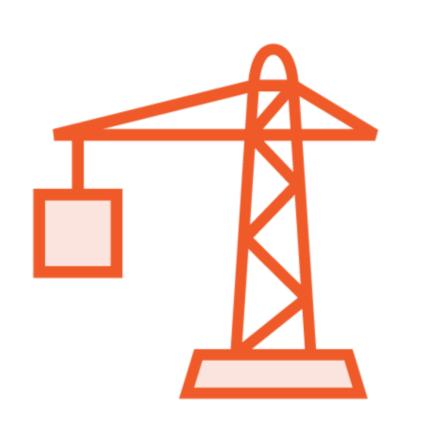








Alignment and Justification Properties



justify-content

align-content

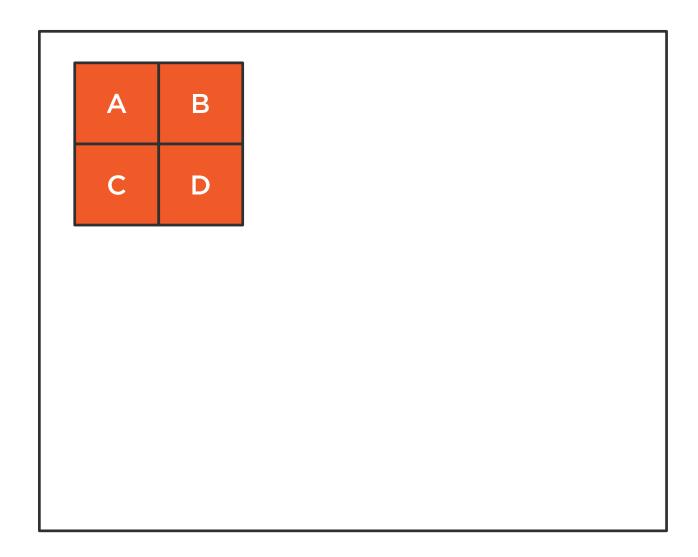
justify-items

align-items

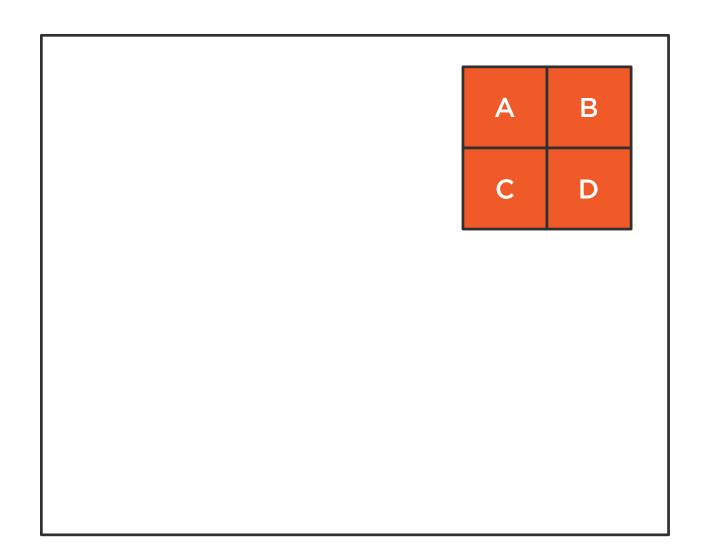
justify-self

align-self

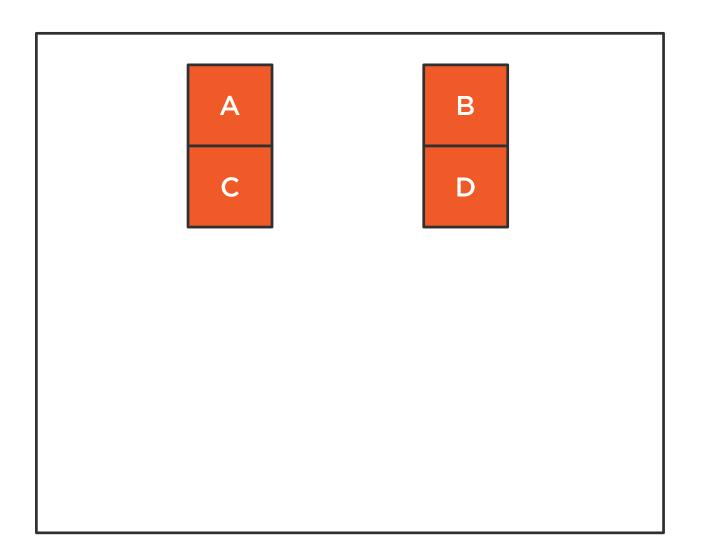
justify-content and align-content

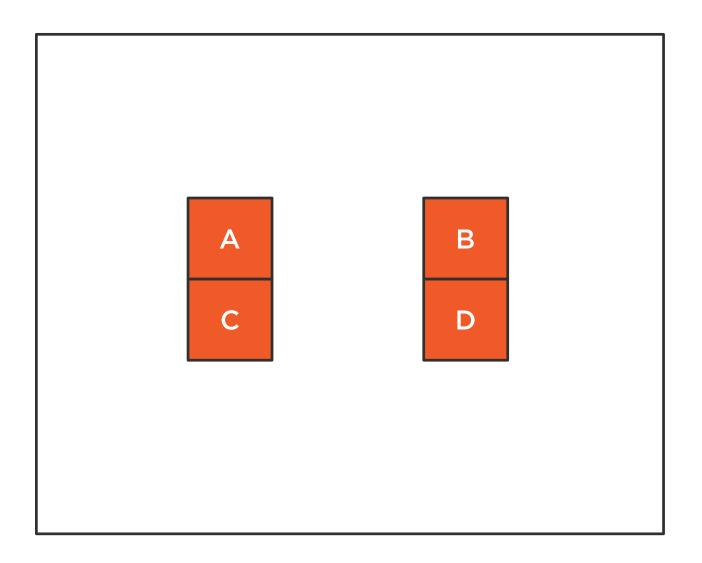


justify-content and align-content



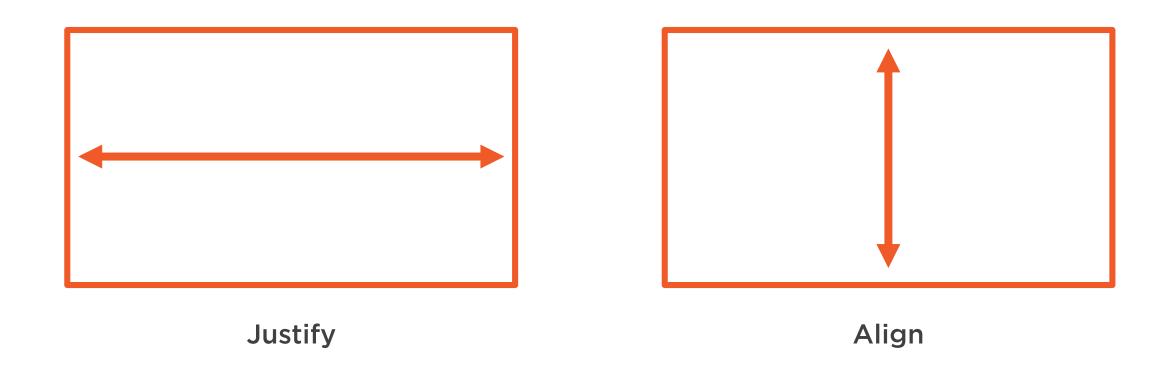
justify-content and align-content







Justify and Align







start (default)

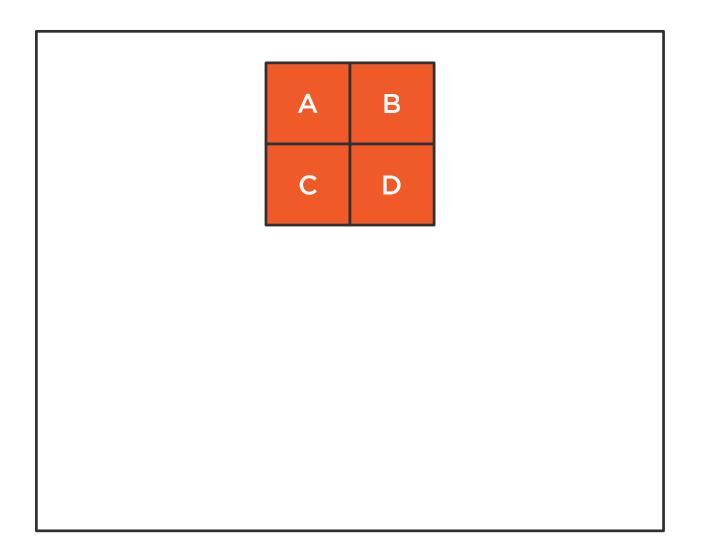
center

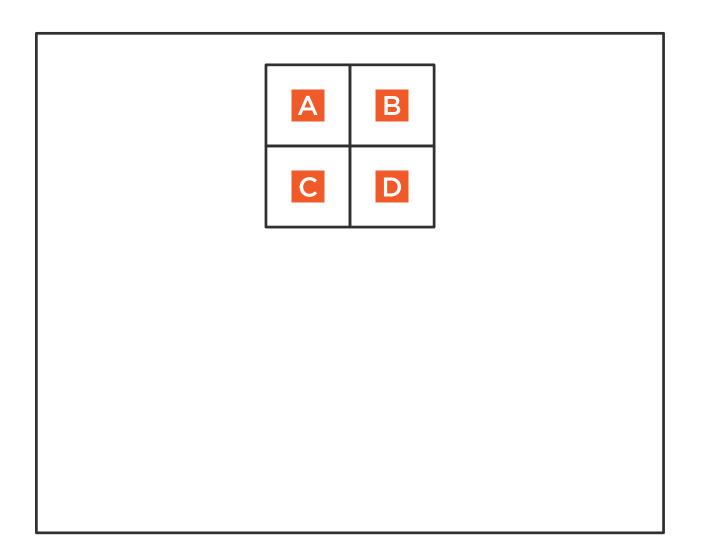
end

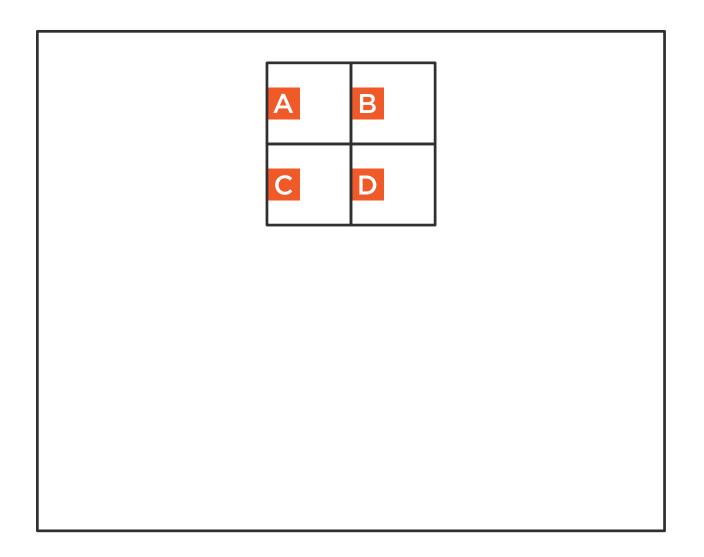
space-around

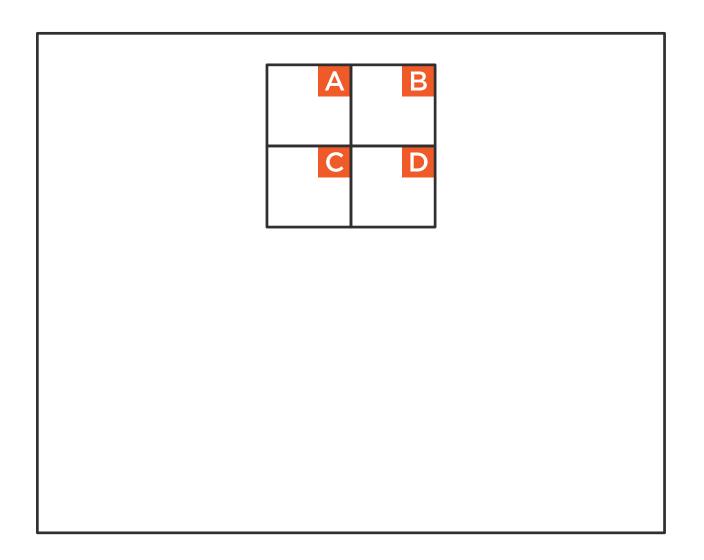
space-between

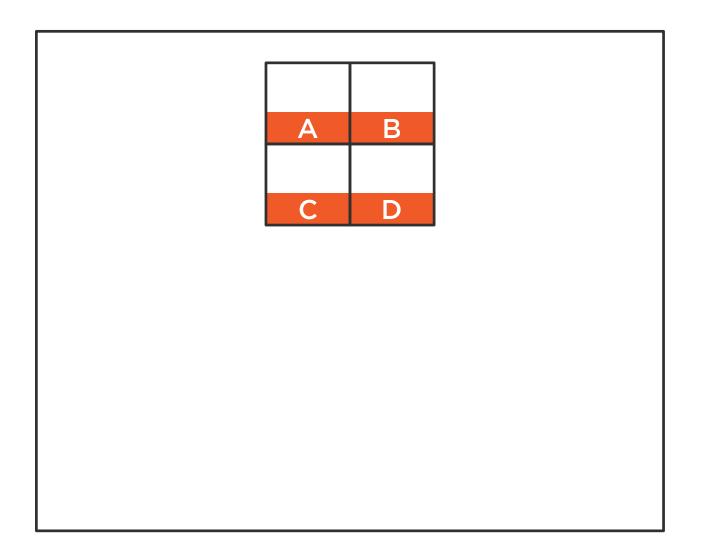
space-evenly











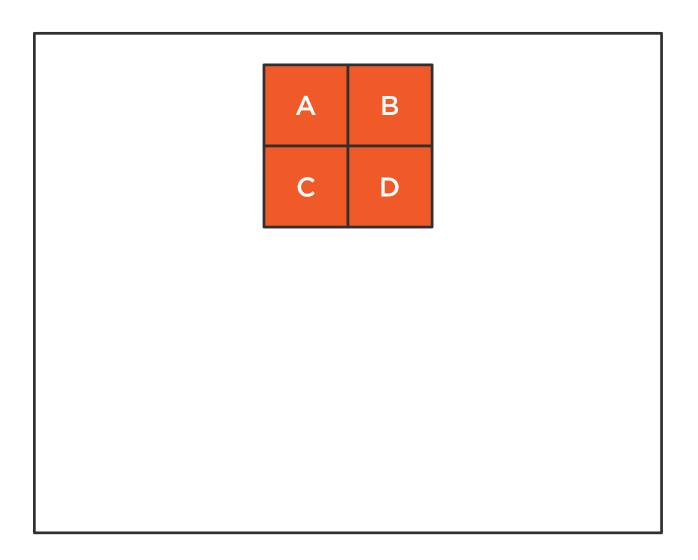


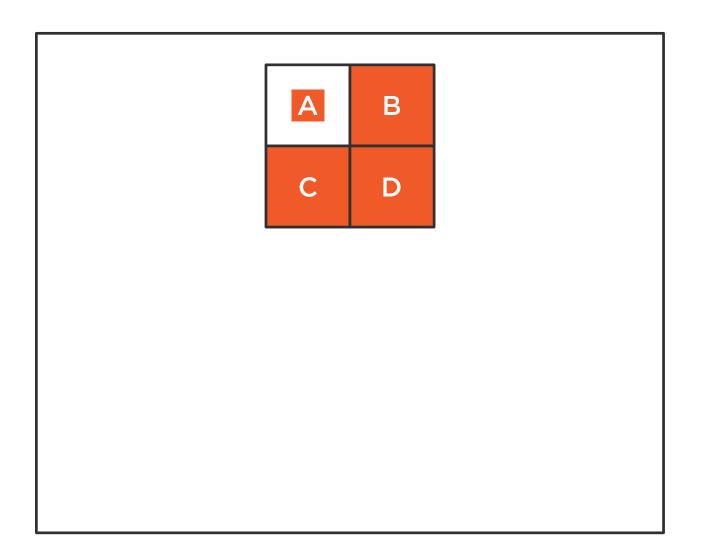
stretch (default)

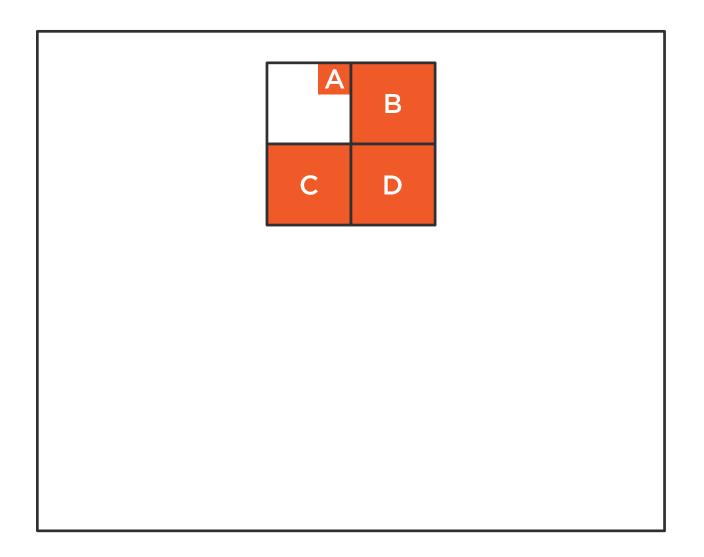
start

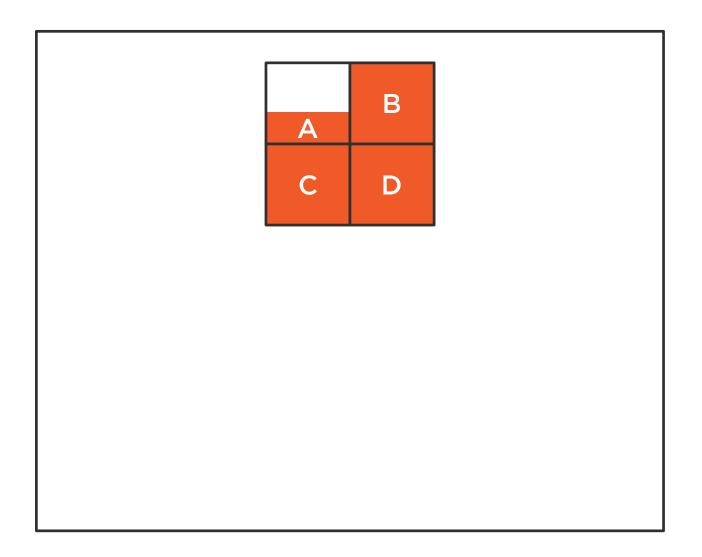
center

end

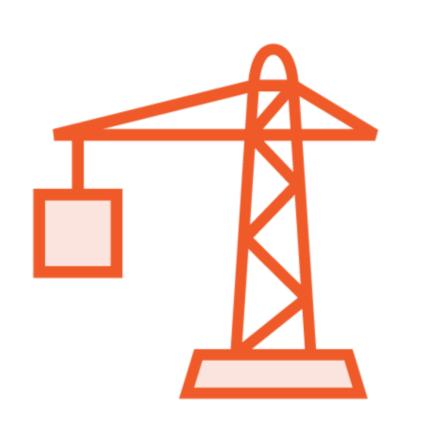








Alignment and Justification Properties



justify-content

align-content

justify-items

align-items

justify-self

align-self

Up Next: Accessible Grids





stretch (default)

start

center

end

Accessible Grids



The visual layout of your page should mirror the source order of your elements



Avoid code that moves items out of flow



```
[grid container] {
    grid-auto-flow: dense rows;
}
```

dense

Keyword added to grid-auto-flow property which will flow items into the first empty grid area



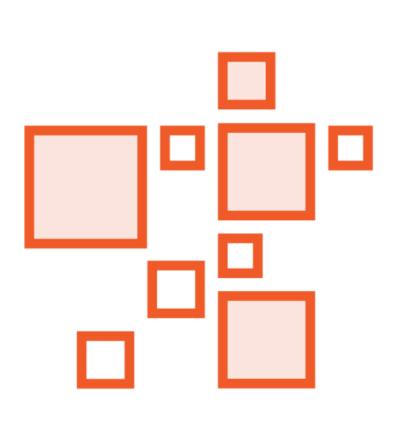
```
[grid item] {
    order: 1;
}
```

order

Defines a different order for a grid item than its source order



Causes of Visual Order Sync Issues



Explicitly positioning an element
Using grid-auto-flow: dense
Setting the order property

```
[grid item] {
   z-index: 1;
}
```

z-index

Defines a different visual stacking order for a grid item



Up Next: Improving our 12-column Layout



Improving our 12-column Layout



Up Next: Module Summary

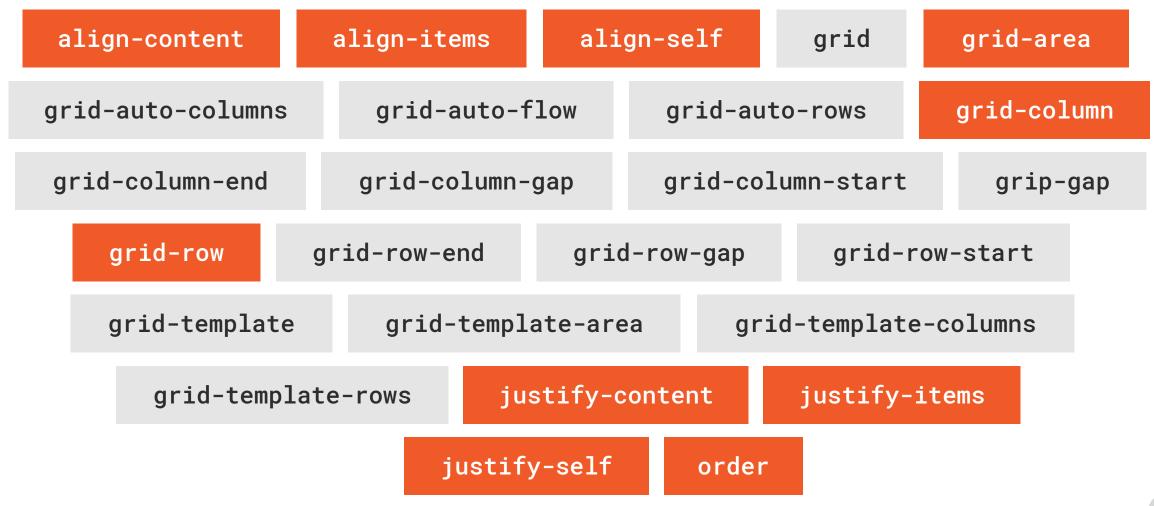


CSS Grid Properties

align-content	align-items	align-se	lf grid	grid-area
grid-auto-columns	mns grid-auto-flow		id-auto-rows	grid-column
grid-column-end	grid-column-end grid-column-gap		grid-column-start grip-gap	
grid-row grid-row-end grid-row-gap grid-row-start				row-start
grid-template grid-template-area grid-template-columns				e-columns
grid-template-rows justify-			t justify-	items
justify-self order				



CSS Grid Properties





```
[grid item] {
    grid-column: 1 / 3;
}
```

grid-column



```
[grid item] {
    grid-row: 2 / 6;
}
```

grid-row

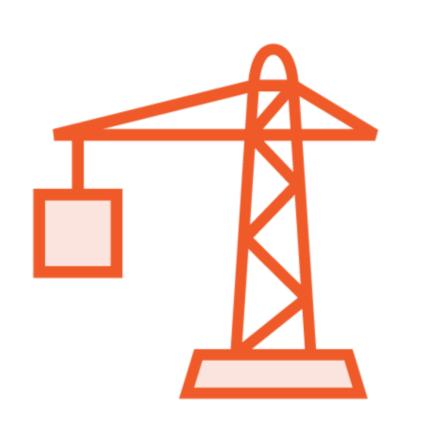


```
[grid item] {
    grid-area: 1 / 2 / 3 / 6;
}
```

grid-area



Alignment and Justification Properties



justify-content

align-content

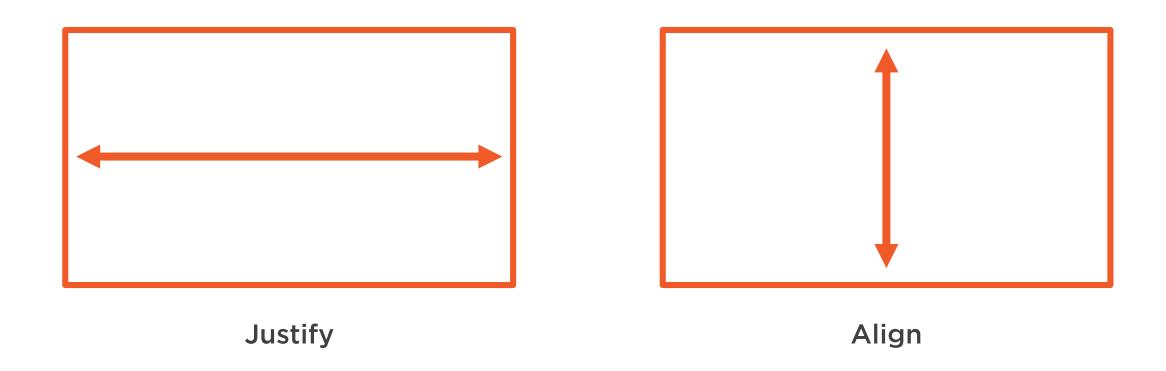
justify-items

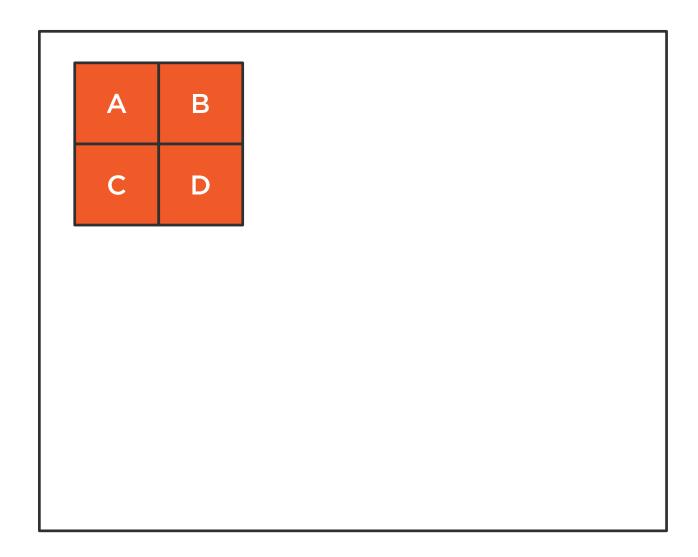
align-items

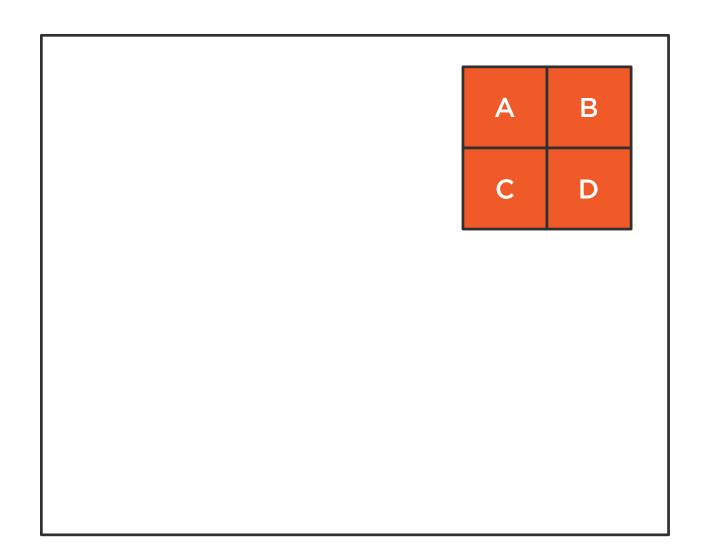
justify-self

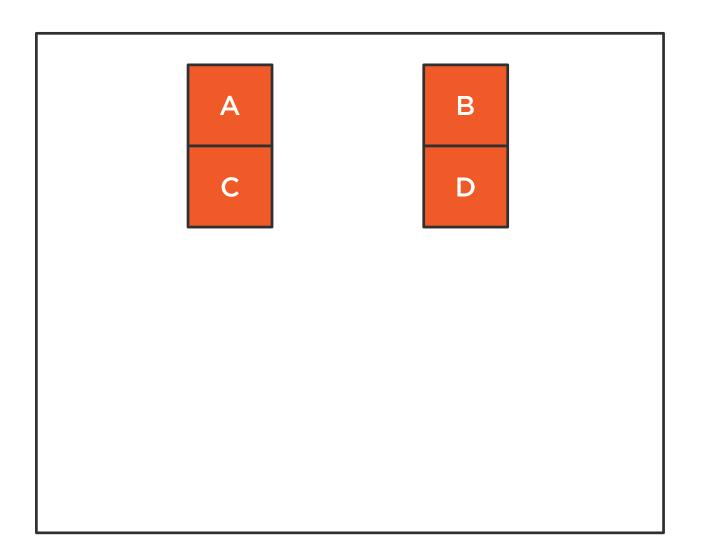
align-self

Justify and Align

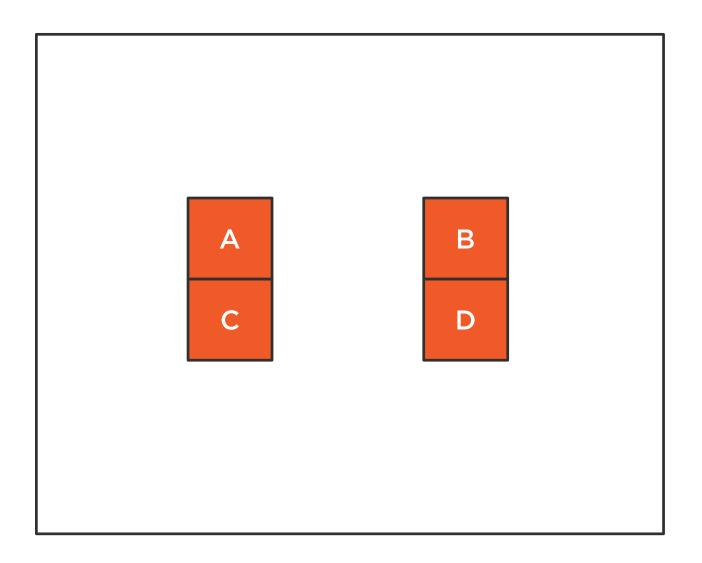




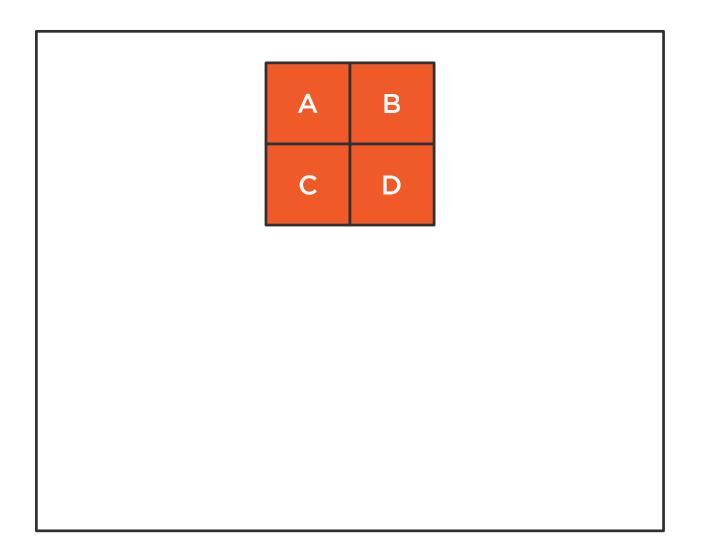


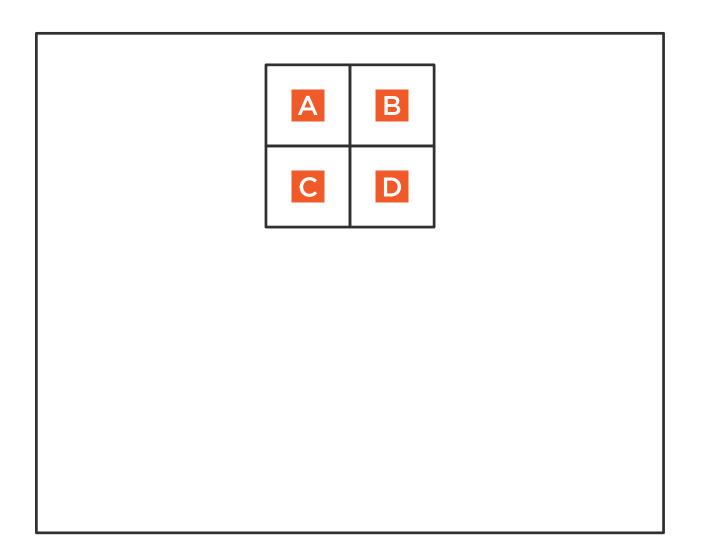


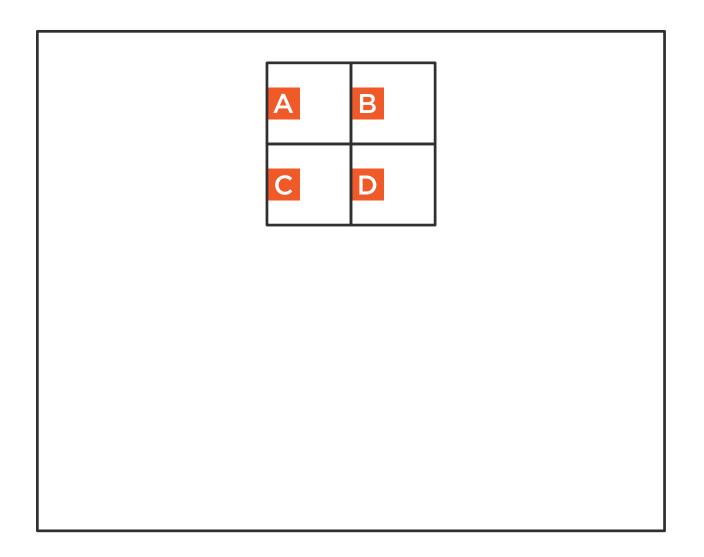
justify-content and align-content

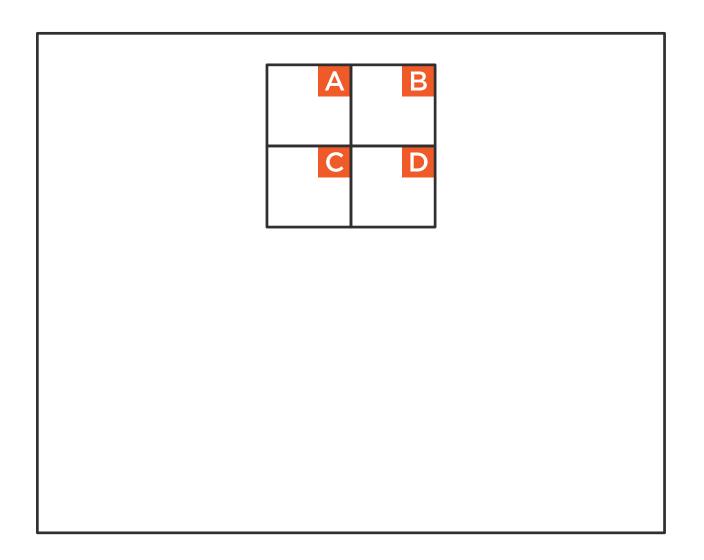


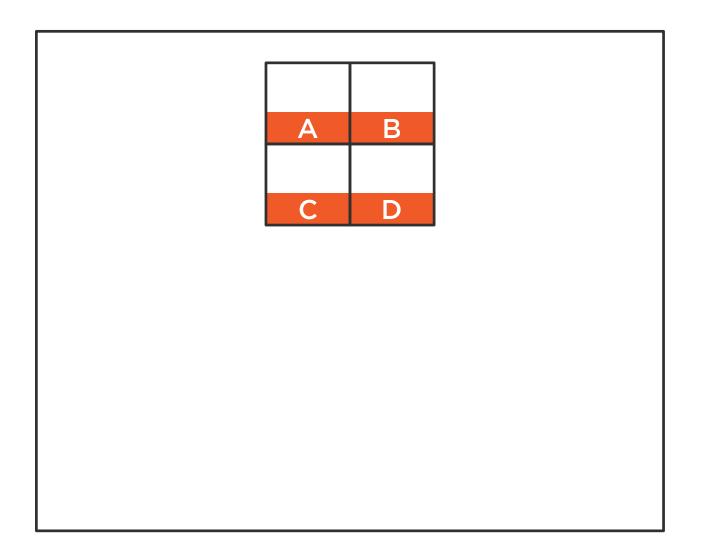


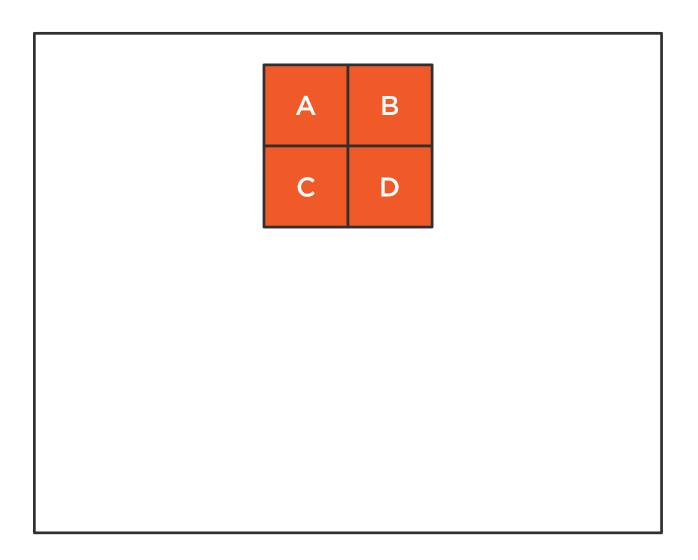


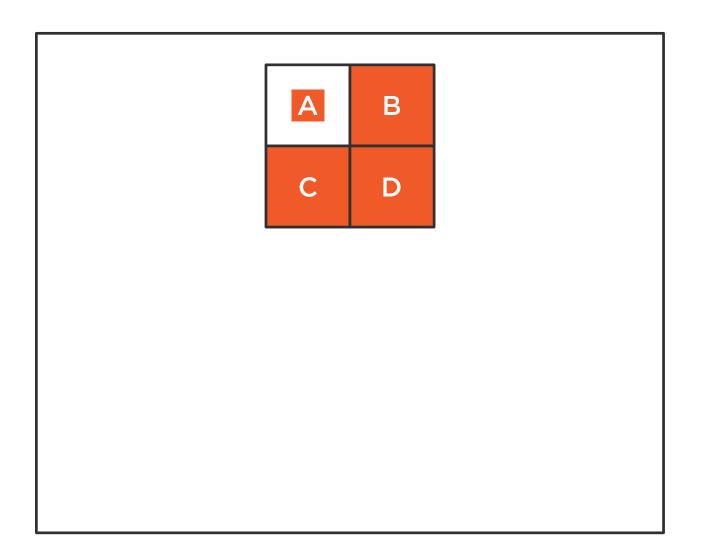


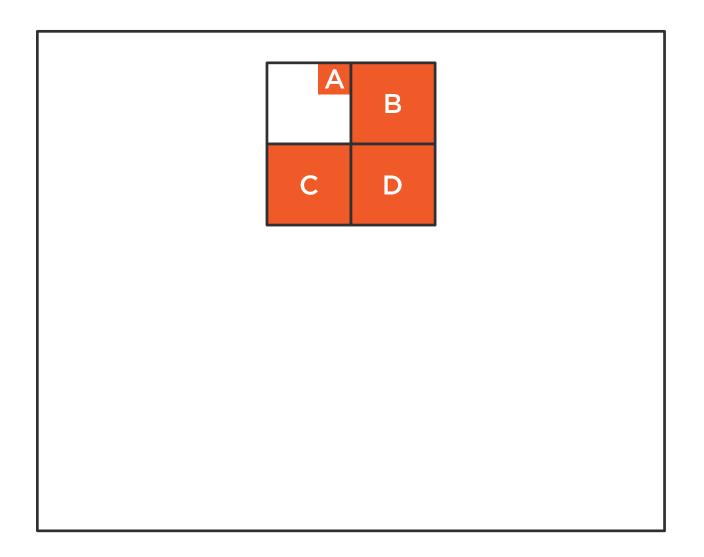


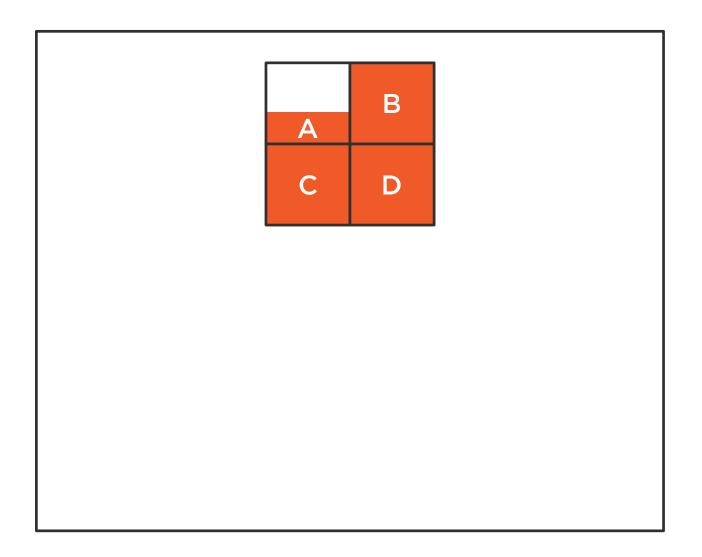




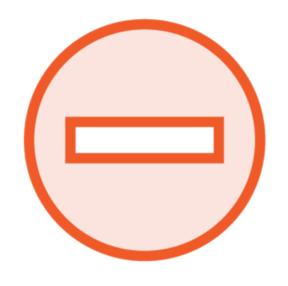








Positioning Alternatives



Negative grid lines



span keyword



```
[grid container] {
    grid-auto-flow: dense rows;
}
```

dense



```
[grid item] {
    order: 1;
}
```

order



```
[grid item] {
   z-index: 1;
}
```

z-index

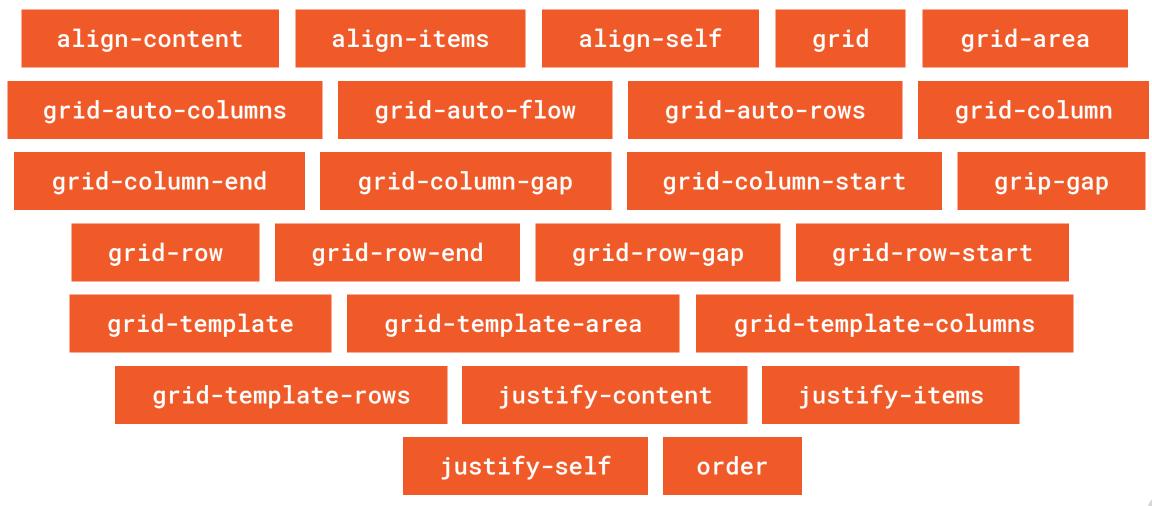


CSS Grid Properties

align-content	align-items	align-se	lf grid	grid-area
grid-auto-columns	mns grid-auto-flow		id-auto-rows	grid-column
grid-column-end	grid-column-end grid-column-gap		grid-column-start grip-gap	
grid-row grid-row-end grid-row-gap grid-row-start				row-start
grid-template grid-template-area grid-template-columns				e-columns
grid-template-rows justify-			t justify-	items
justify-self order				



CSS Grid Properties





Up Next: Advanced CSS Grid

