Flexbox + CSS Grid = Awesome

Taking CSS Layouts to the Next Level

Normal Flow

```html
<div>
  <h1>Goals for the Day</h1>
  <ul>
    <li>Exercise</li>
    <li>Help someone else</li>
    <li>Build something useful</li>
  </ul>
  <p>Have a great day!</p>
</div>
```

Normal Flow

```
<div>
  <h1>Goals for the Day</h1>
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  </ul>
  <p>Have a great day!</p>
</div>
```
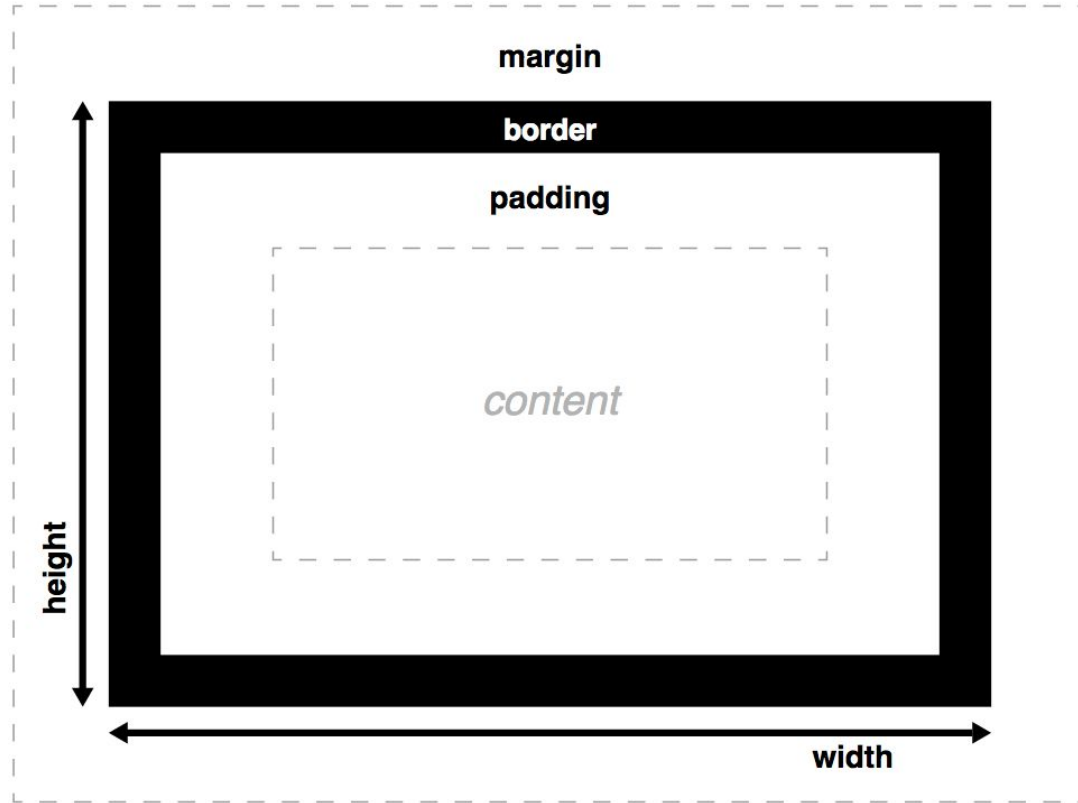
Goals for the Day

- Exercise
- Help someone else
- Build something useful

Have a great day!

Box Model

margin

border

padding

content

height

width

Floats

used to shift a box to the **left** or **right**, allowing content to wrap around it

Positioning

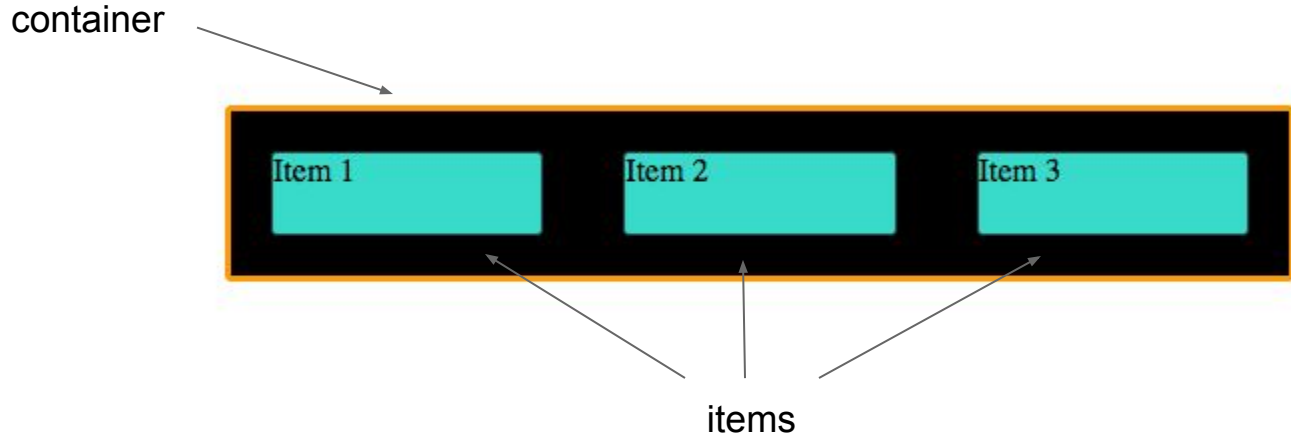the placement of an element either **relative**, **absolute**, **fixed**, or **sticky**

Display

changes how elements are displayed in normal flow
and switches on *layout methods* such as

flex and **grid**

Flexbox

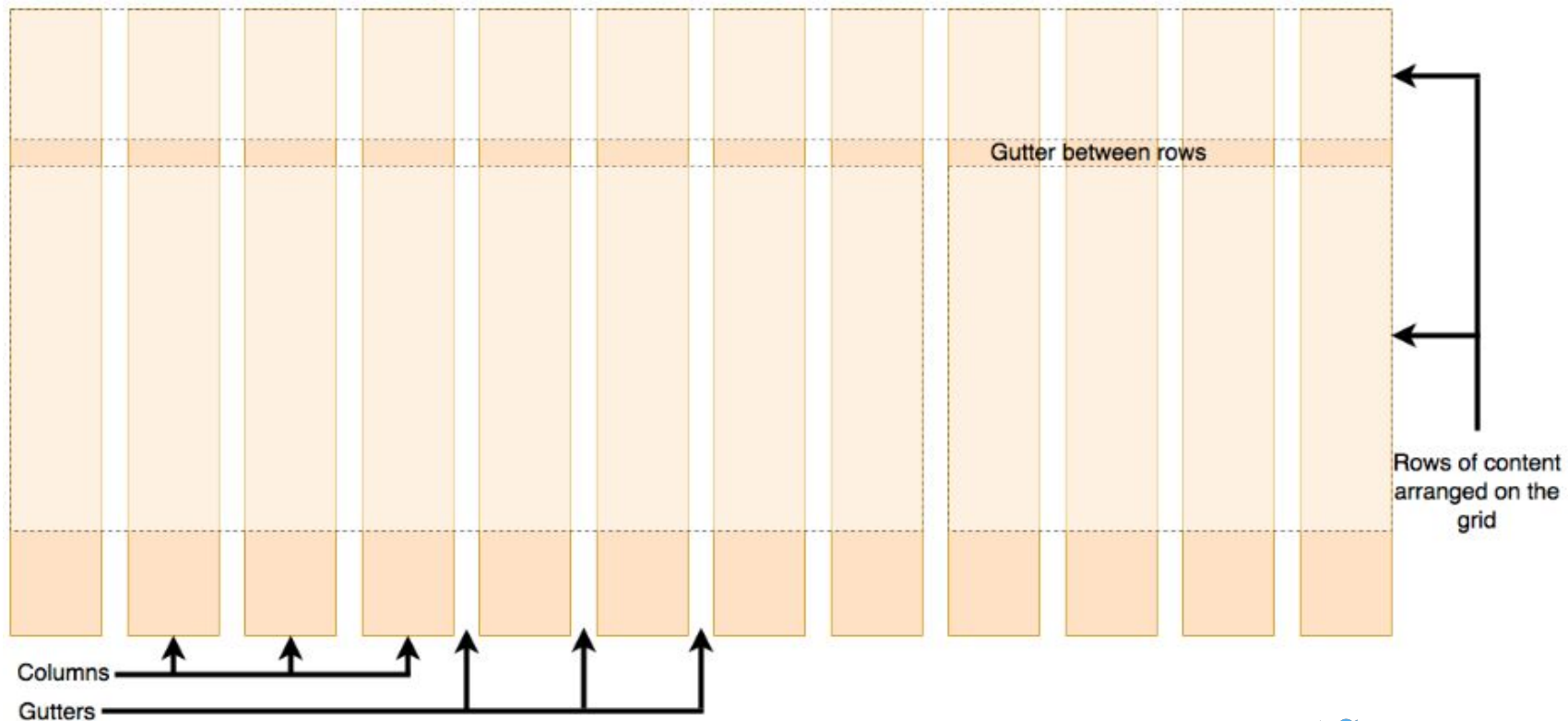A one-dimensional layout method for arranging items in rows or columns. Items flex to fill space and shrink to fit into smaller spaces.
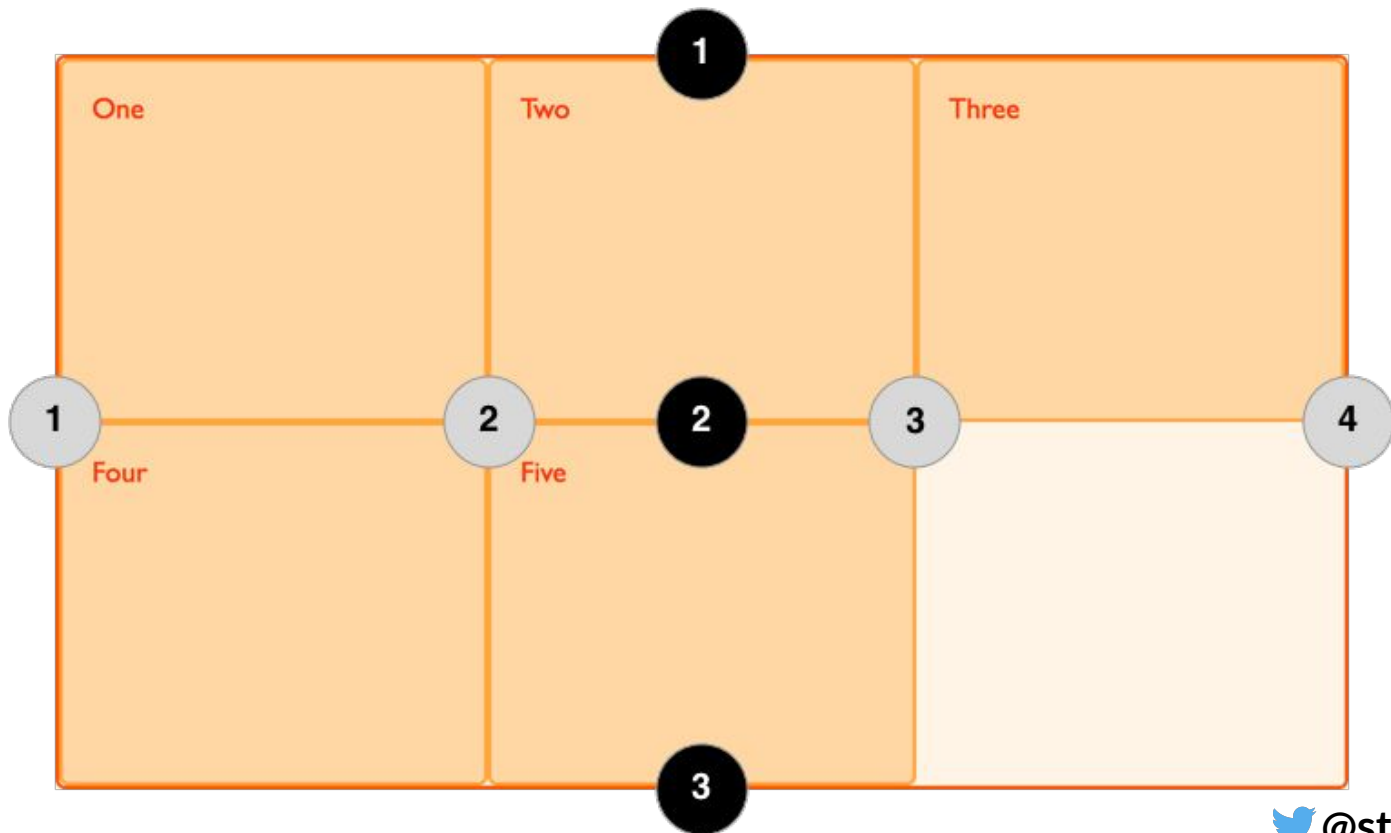
container

| Item 1 | Item 2 | Item 3 |

items

Flexbox Browser Compatibility

	Desktop						Mobile						
Basic support	29	12	20 *	11 *	12.1	9	29	29	Yes	?	12.1	Yes	?

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CSS Grid

Gutter between rows

Rows of content arranged on the grid

Columns

Gutters

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CSS Grid - Lines

One

Two

Three

Four

Five

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Firefox Grid Inspector

Grid Browser Compatibility

			🖥							📱					
	Chrome	Edge	Firefox	IE	Opera	Safari	Android	Chrome Android	Edge	Firefox Android	Opera	Opera	Safari iOS	Samsung
Basic support	57	16	52	No	44	10.1	57	57	16	52	44	10.3	6.0

Internet Explorer 11
- Use '-ms-' prefix on unsupported values
- Tools like Autoprefixer can help
  - https://autoprefixer.github.io/

Resources

Jen Simmons -- https://labs.jensimmons.com/

Rachel Andrews -- https://gridbyexample.com/

Flexbox Froggy -- https://flexboxfroggy.com/

CSS Grid Garden -- https://cssgridgarden.com/

MDN WebDocs -- https://mzl.la/2iYAeK3

Demos from This Talk -- https://github.com/stmcallister/flexbox-grid-demos

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ngrok

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