Flexbox + CSS Grid = Awesome

Taking CSS Layouts to the Next Level

Normal Flow

```
<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>
```

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<div>
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</div>
```
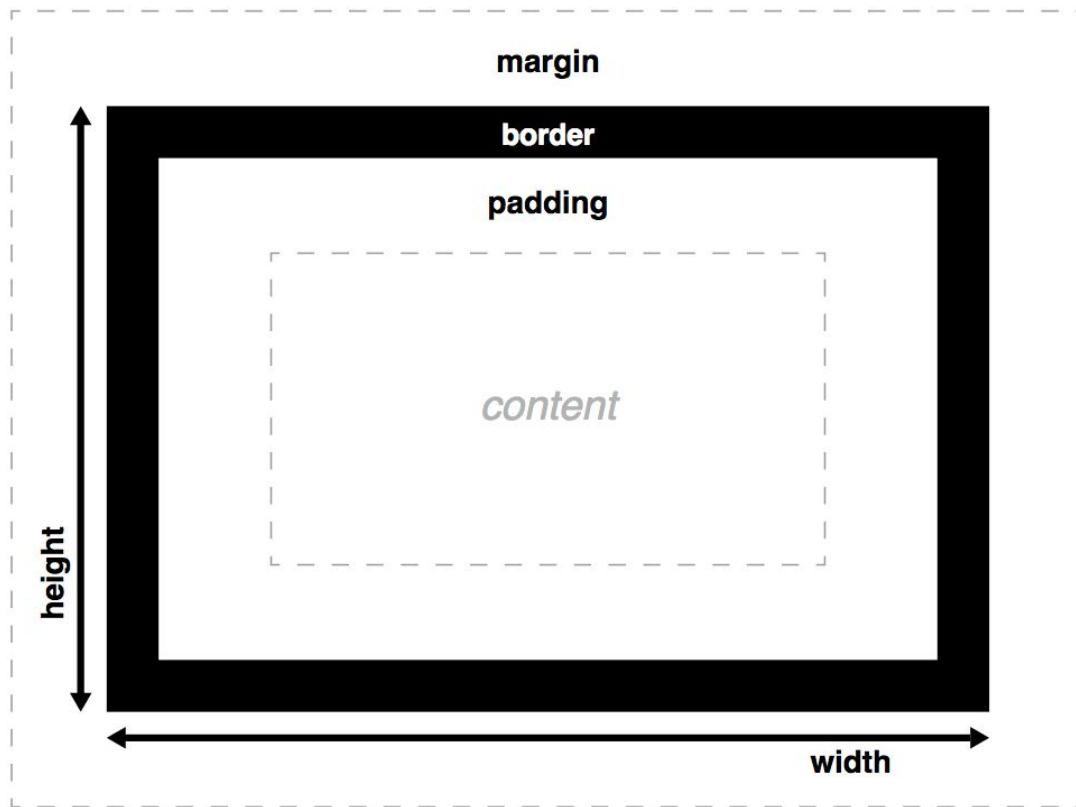
Goals for the Day

- Exercise
- Help someone else
- Build something useful

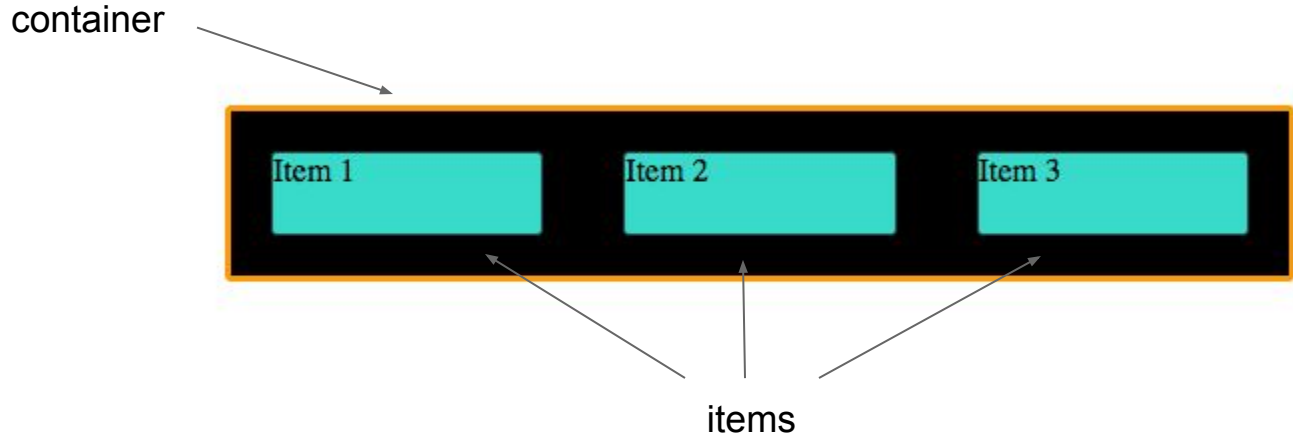Have a great day!

Box Model

CSS Properties

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 laying out items in rows or columns. Items flex to fill space and shrink to fit into smaller spaces.
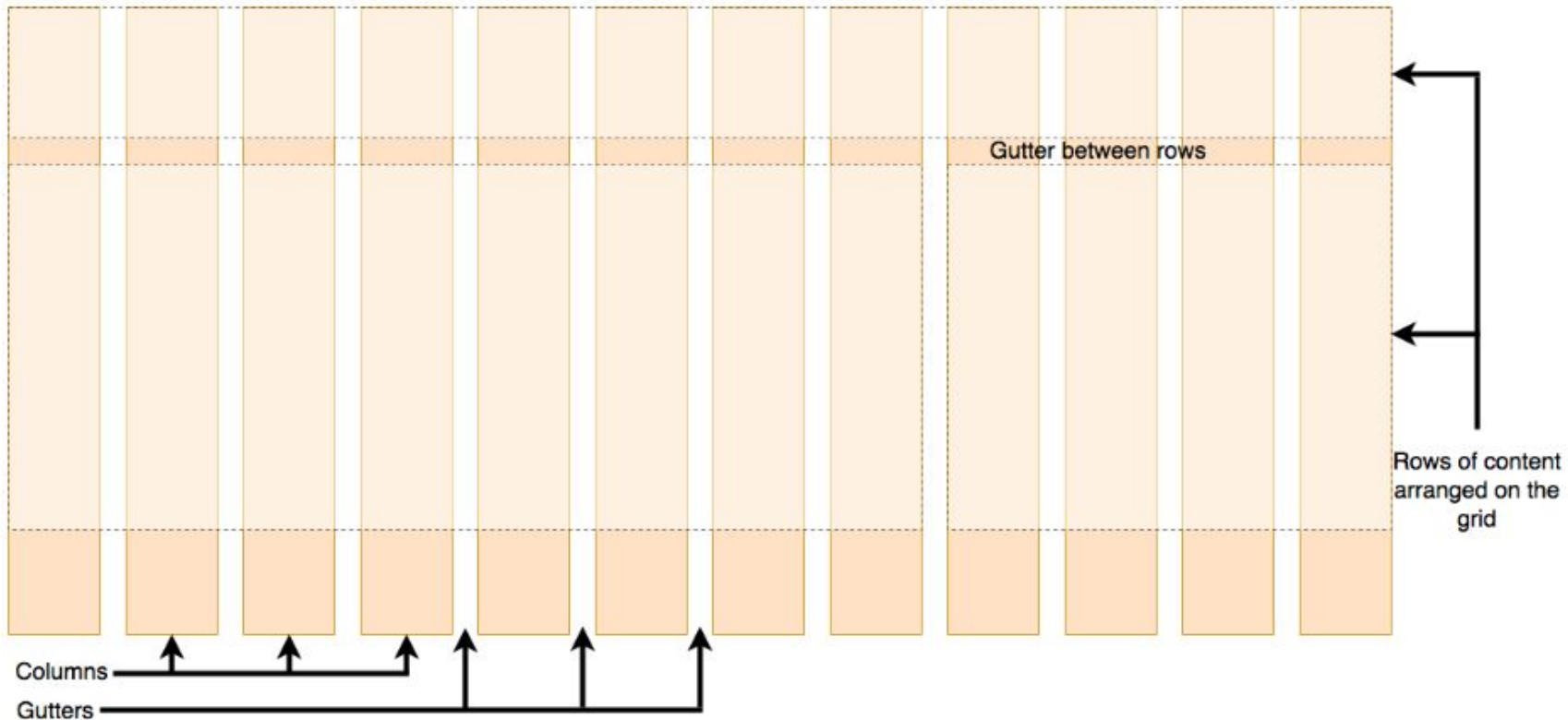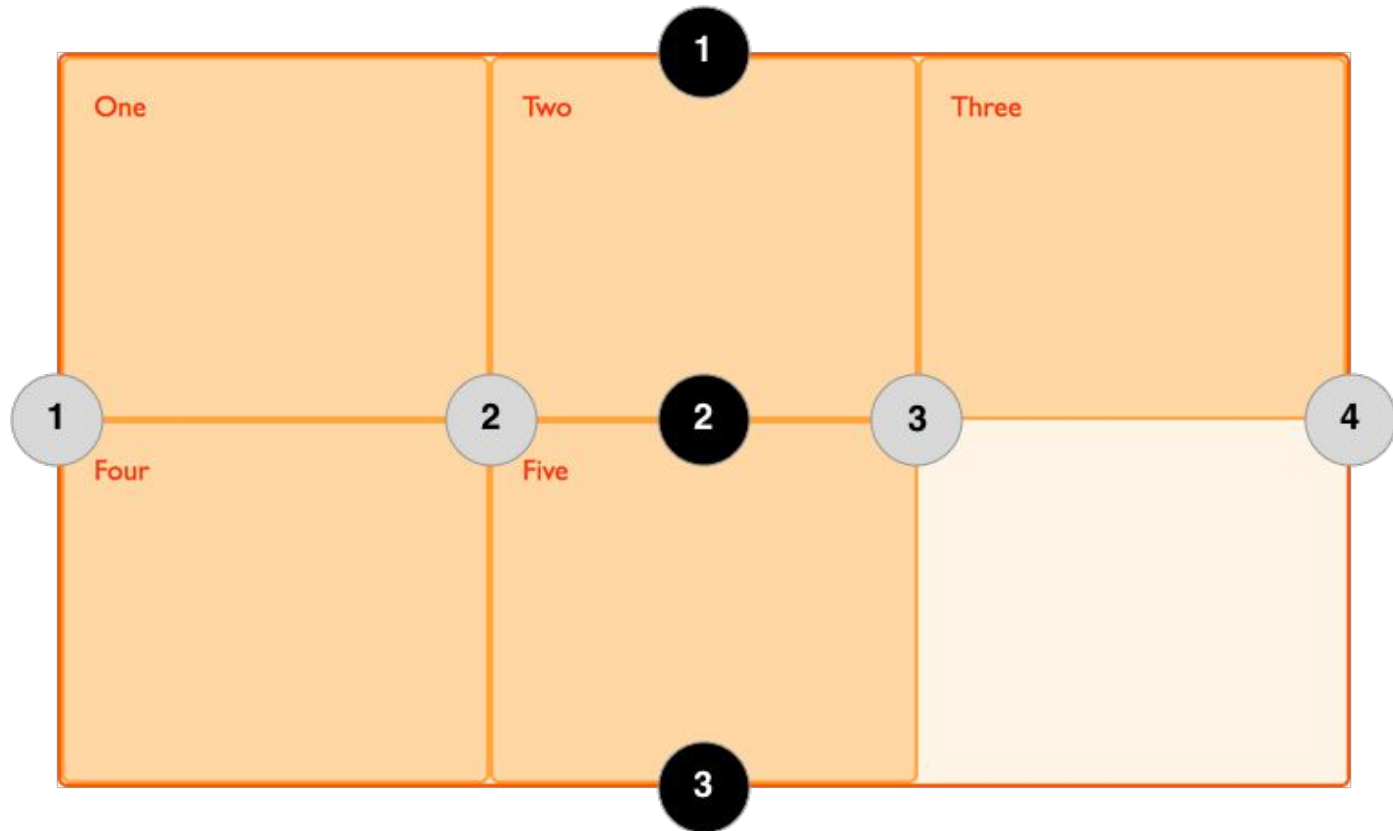
container

items

Item 1

Item 2

Item 3

Flexbox Browser Compatibility

	🖥️						📱						
	Chrome	Edge	Firefox	IE	Opera	Safari	Android	Chrome/Android	Edge	Firefox/Android	Opera	Safari	Samsung
Basic support	29 ▾	12 ▾	20 * ▾	11 * ▾	12.1 ▾	9 ▾	29 ▾	29 ▾	Yes ▾	?	12.1 ▾	Yes ▾	?

CSS Grid

Gutter between rows

Rows of content arranged on the grid

Columns

Gutters

CSS Grid - Lines

Firefox Grid Inspector

Grid Browser Compatibility

	🖥️						📱						
	Chrome	Edge	Firefox	IE	Opera	Safari	Android	Chrome Android	Edge Mobile	Firefox Android	Opera Mobile	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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pagerduty

www.pagerduty.com