HTML/CSS in a Day

(part 1)

My name is Brendan Quinn

4 years at Pasco School District

20 years as a front-end dev

(I build lots of websites)

10 years as an entrepreneur

avid boardgamer

What we're not going to do today:

Learn about the history of HTML

Learn how the internet works

Learn all the tags

Talk about PS-HTML

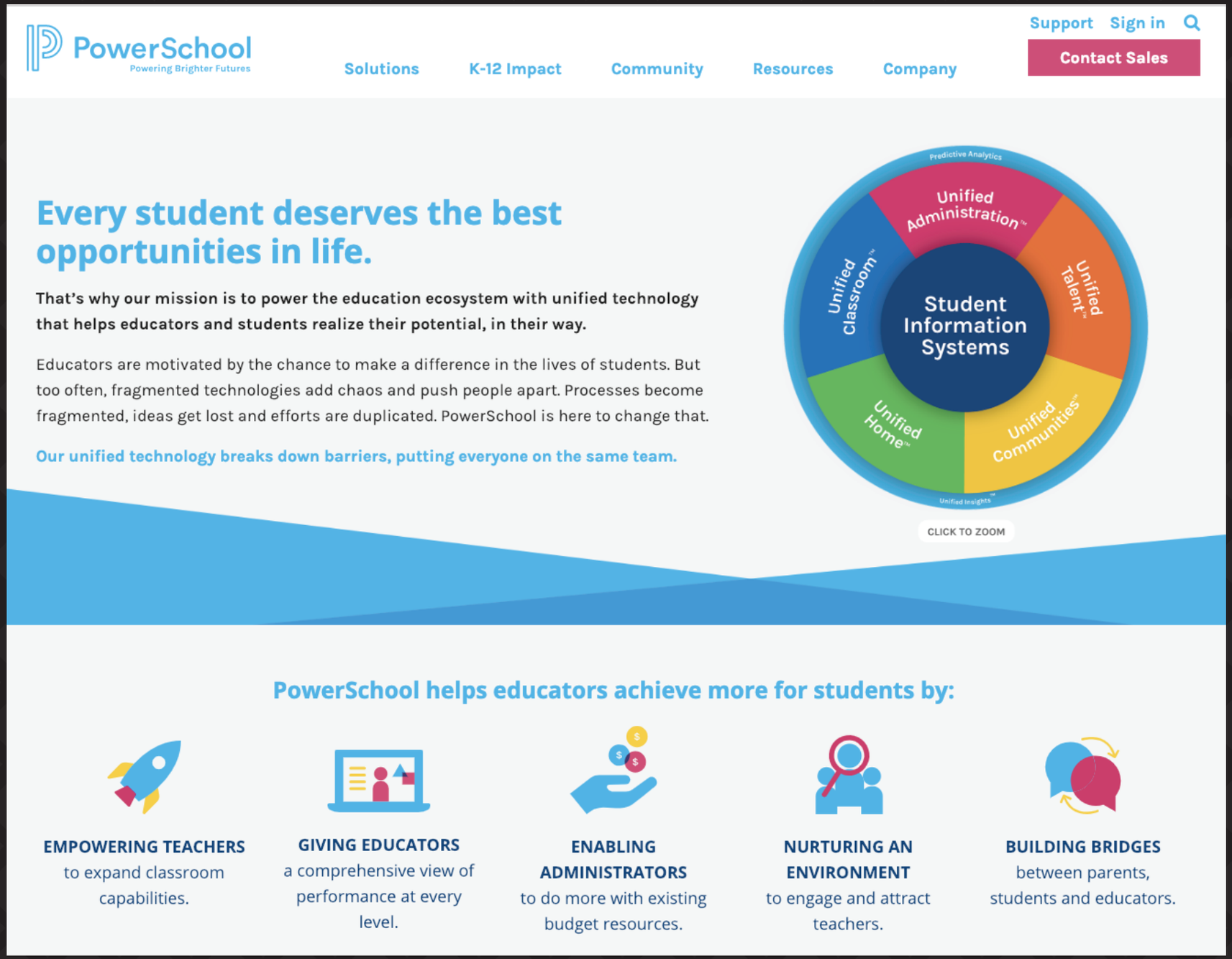
What we will do today:

Talk about how to solve problems

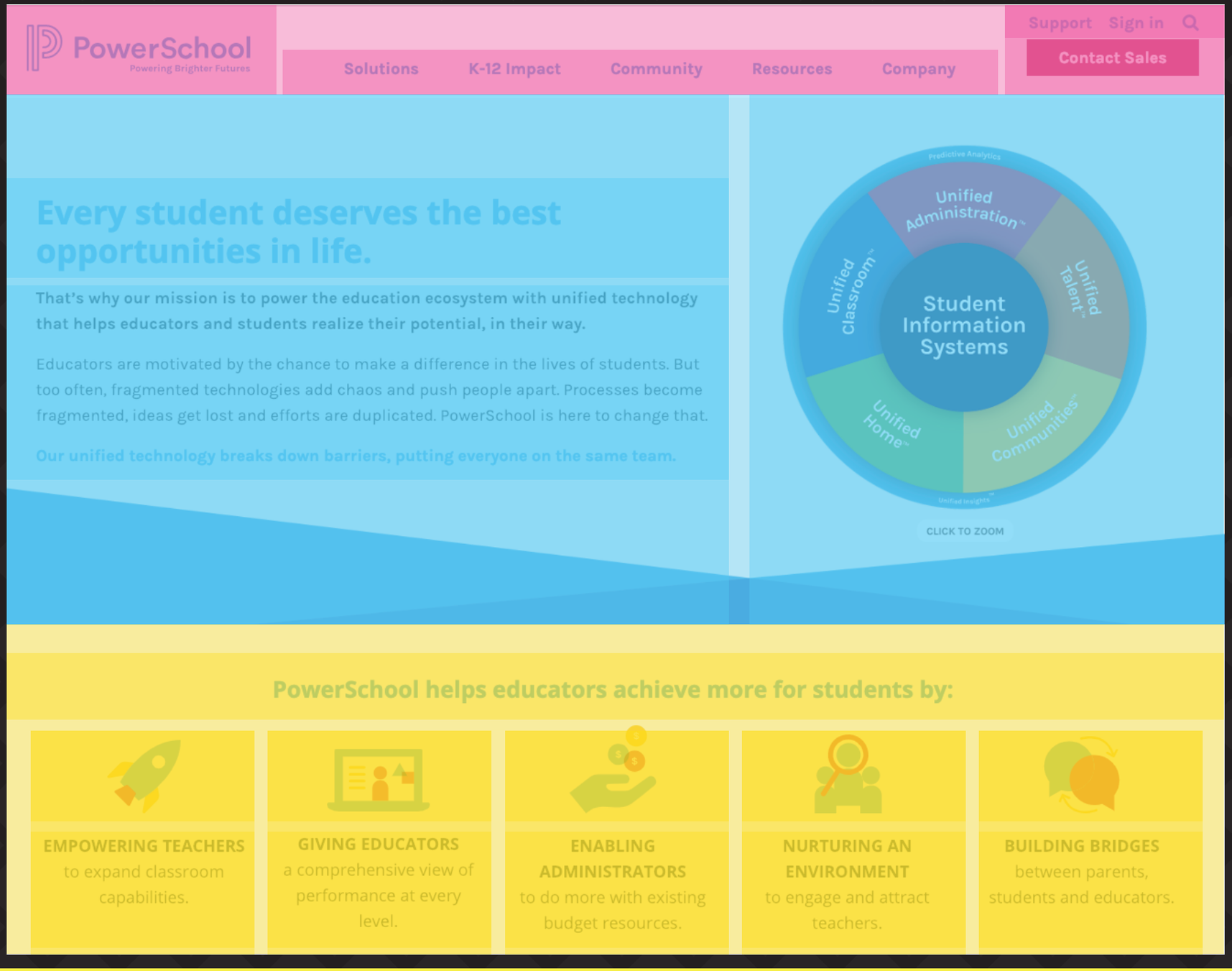
Learn about tools and resources

Learn how to prototype

Every web page is a series of boxes



Every web page is a series of boxes



Every web page is a series of boxes

```
<div>
  <h1>PowerSchool helps educators...</h1>
  <div>
    <img src="some.png">
    <p>lorem ipsum sit dolor</p>
  </div>
  <div>
    <img src="another.png">
    <p>lorem ipsum sit dolor</p>
  </div>
  <div>
    ...
  </div>
</div>
```

Every web page is a series of boxes

```
<div>
  <h1>PowerSchool helps educators...</h1>
  <div>
    <img src="some.png">
    <p>lorem ipsum sit dolor</p>
  </div>
  <div>
    <img src="another.png">
    <p>lorem ipsum sit dolor</p>
  </div>
  <div>
    ...
  </div>
</div>
```

How to Build a Box

How to Build a Box

```
<div>                    // opening tag

</div>                   // closing tag
```

How to Build a Box

```
<div>                    // opening tag
  content
</div>                   // closing tag
```

Questions so far?

How to Build a Better Box

```
<div>
```

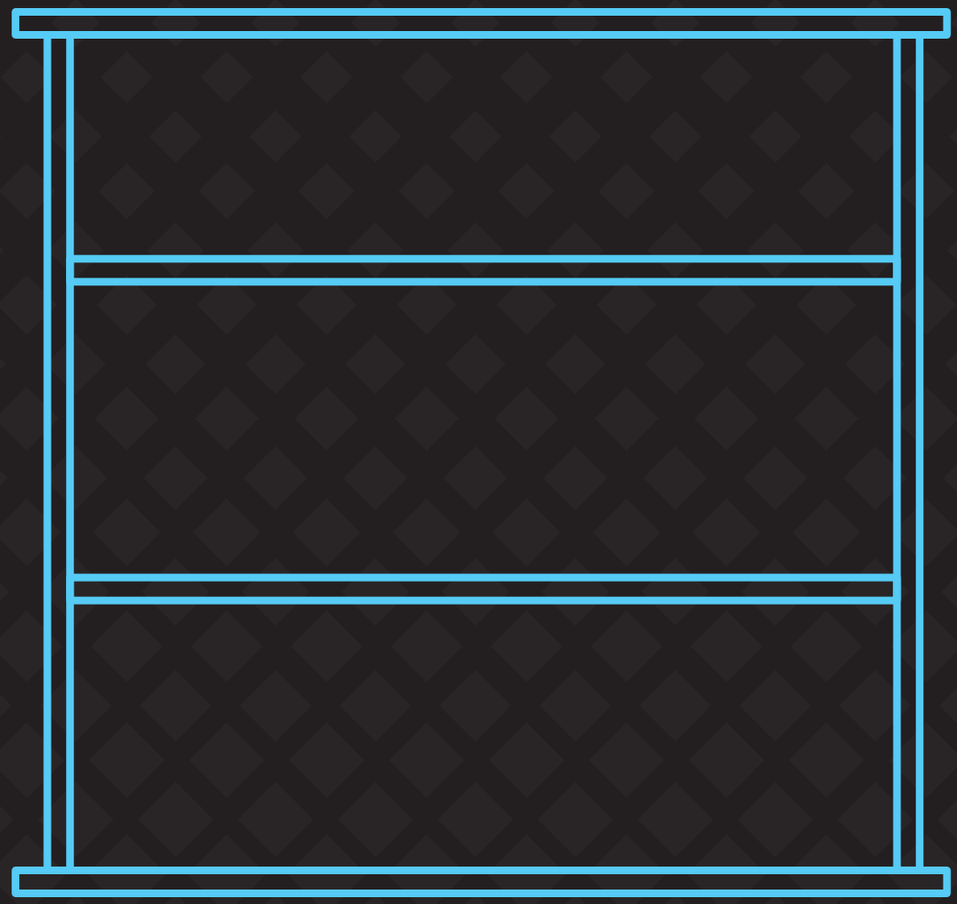
How to Build a Better Box

How to Build a Better Box

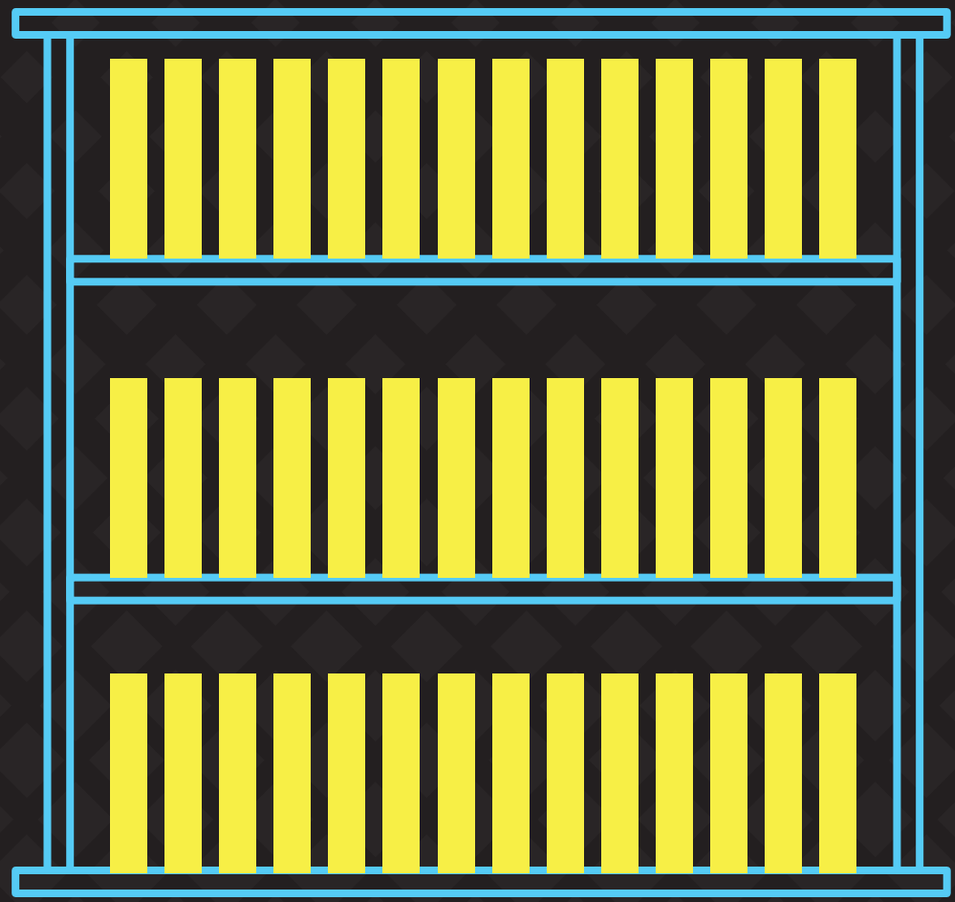
```
<div>          // block element

<span>         // inline element
```

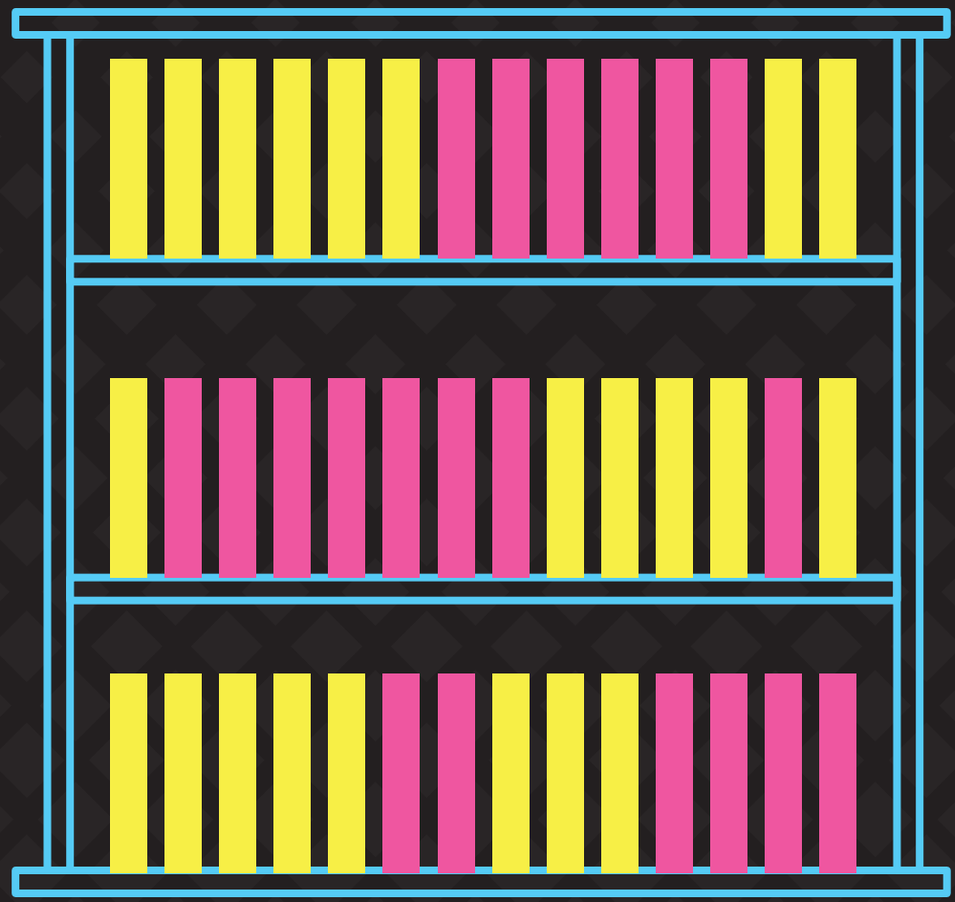
How to Build a Better Box



How to Build a Better Box



How to Build a Better Box



Two essential inline tags

The anchor tag <a>

```
<a href="http://www.google.com">Go to Google</a>
```

The image tag <img>

```
<img src="some-image.png">
```

Live Code Demo!!

(codepen.io)

Questions so far?

Tools

Text Editor: Atom

https://atom.io

Essential Atom Packages

Emmet
Open Recent
Pigments

Tools

Browser: Chrome

https://www.google.com/chrome/

Essential Chrome Extensions

Color Picker
Web Developer

CSS

(cascading style sheets)

How to Make Stuff Look Good

This is the wrong way to do things

(but it works for a first demo)

This is the wrong way to do things

(but it works for a first demo)

```
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
```

This is the wrong way to do things

(but it works for a first demo)

```
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
```

This is the wrong way to do things

(but it works for a first demo)

```
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
```

is the wrong way to do th

(but it works for a first demo)

```
<div st                red;">
  Lorem ip                it amet, con                ipisicing
  elit. Id ve                quatur                temporibus
  nesciunt fugi
</div>
<div style="color: re
  Lorem ipsum dolor                                ctetur adipisicing
  elit. Id velit                                   dae temporibus
  nesciunt fu
</div>
<div st                red;">
  Lo                olor sit amet, consecte                cing
                elit a consequatur recusandae
                fugiat.
```

A better way to do things

CSS

```
<style>




</style>
```

HTML

```
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
```

A better way to do things

CSS

```
<style>

  div {
    color: red;
  }

</style>
```

HTML

```
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
```

Hmm...

CSS

```
<style>

  div {
    color: red;
  }

</style>
```

HTML

```
<div>
  Lorem ipsum...
</div>
<div style="color: white">
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
```

Enter CSS Classes

CSS

```
<style>




</style>
```

HTML

```
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
```

Enter CSS Classes

CSS

```
<style>




</style>
```

HTML

```
<div class="add-color">
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
```

Enter CSS Classes

CSS

```
<style>

  .add-color {
    color: red;
  }

</style>
```

HTML

```
<div class="add-color">
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
```

Enter CSS Classes

CSS

```
<style>

  .add-color {
    color: red;
  }

</style>
```

HTML

```
<div class="add-color">
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
```

Important syntax note

HTML

```
<div class="add-color">
```

CSS

```
.add-color {
  ...
}
```

What Cascading Means

(codepen.io)

Questions?

Thank You!

Slide deck, links to tools and other resources at:

github.com/bquinn-psd/html-in-a-day-1

Brendan Quinn

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