



AvenueCode

Building awesome UI components with SASS

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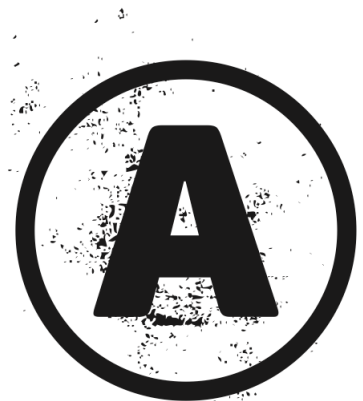
It all begins with CSS...

→ And you should *probably* know some of it already!

CSS: Cascading Style Sheets

Style sheet language used to describe the look and formatting of documents written in a markup language, such as HTML.

```
.title {  
  color: #ff0000;  
  font-size: 18px;  
  text-align: center;  
}
```



Poor references

.CSS

```
table {  
  margin: 2em 0;  
}  
td {  
  text-align: right;  
  color: #333333;  
}
```

.CSS

```
table {  
  margin: 2em 0;  
}  
table td {  
  text-align: right;  
  color: #333333;  
}
```

Is this good enough?



CSS is cool. But SASS is sexier.

SASS: Syntactically Awesome Stylesheets

Very interesting features, such as:

- Variables
- Mixins
- Nesting
- Inheritance
- Operations
- Better Referencing



Two syntaxes! Atta boy!

.sass

```
$gray: #333333
table
  margin: 2em 0
  td
    text-align: right
    color: $gray
```

.scss

```
$gray: #333333;
table {
  margin: 2em 0;
  td {
    text-align: right;
    color: $gray;
  }
}
```

SCSS looks like regular CSS!



Get your environment ready!

1 - Install Ruby. <http://www.ruby-lang.org>

2 - Install Sass

```
gem install sass
```

3 - Run Sass

```
sass --watch style.scss:style.css
```

```
sass --watch src/styles:target/styles
```



**Let's build something
awesome with SASS**

The design team gives you the challenge

The button should look like this:



Let's start coding:



Extra challenge!

Variations
across
the interface:

Let's keep on
coding:



Final Code:

<http://jsfiddle.net/8Gtkb/26/>

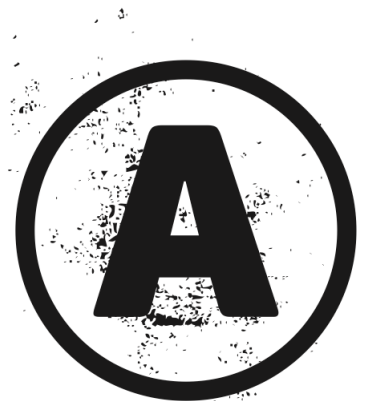
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Comparison:

.CSS

```
button {  
  background-color: rgb(170,170,170);  
  background-image: linear-gradient(bottom, rgb(170,170,170) 0%, rgb(220,220,220) 100%);  
  background-image: -o-linear-gradient(bottom, rgb(170,170,170) 0%, rgb(220,220,220) 100%);  
  background-image: -moz-linear-gradient(bottom, rgb(170,170,170) 0%, rgb(220,220,220) 100%);  
  background-image: -webkit-linear-gradient(bottom, rgb(170,170,170) 0%, rgb(220,220,220) 100%);  
  background-image: -ms-linear-gradient(bottom, rgb(170,170,170) 0%, rgb(220,220,220) 100%);  
  background-image: -webkit-gradient(linear,left bottom,left top,color-stop(0, rgb(170,170,170)),  
color-stop(1, rgb(220,220,220)));  
  
  text-shadow: 0px 1px 0px rgb(230,230,230);  
  filter: dropshadow(color=rgb(230,230,230), offx=0, offy=1);  
  
  padding: 14px 17px;  
  border-radius: 4px;  
  -moz-border-radius: 4px;  
  -webkit-border-radius: 4px;  
  border: 1px solid rgb(230,230,230);  
  
  ...  
}
```



Comparison:

.SCSS

```
button {  
  
    @include gradient($btnGradientFrom, $btnGradientTo);  
  
    @include embossed-text(1px, $btnInnerColor);  
  
    @include rounded($btnRadius);  
  
    padding: 14px 17px;  
  
    border: 1px solid $btnInnerColor;  
  
    ...  
}
```



If you'd like to learn more about SASS:

Official website: <http://sass-lang.com/>

Simple Tutorial: <http://net.tutsplus.com/sessions/mastering-sass/>

Very good website: <http://thesassway.com/>



If you love SASS, you'll also love these:



<http://lesscss.org/>



<http://compass-style.org/>



<http://learnboost.github.io/stylus/>



Now that you're a pro, try this:

1 - Style this menu/list using Sass (be creative)

```
<ul class="menu">  
  <li>Item 1</li>  
  <li>Item 2</li>  
</ul>
```

2 - Make radical changes to this button using Sass (be creative)!

3 - Style the same button using Less (it's pretty cool too!)



Thank you!

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