Maintainable CSS
Syntactically Awesome Style Sheets

What is SASS ?

Writing a lot of CSS can be overwhelming.

Thanks to the CSS pre–processor, it's now possible to write

DRY CSS code and allows you to declare variables that

can be re-used all throughout the style.

sass sass_folder:stylesheets_folder

Sass provides higher level style syntax and takes your

preprocessed SASS file and save it as a normal CSS

file that you can use in your web site. (we will demo that)

Space sentitive syntax!

SASS uses indentation instead of { } to delimit code blocks.

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Everything that would be within { and } after a statement must

be on a new line and indented one level deeper than the statement

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Tabs and spaces are not the same even if they look the same!

styles/stylesheet.css

```css
#main {
    color: blue;
    font-size: 0.3em;
}
```

styles/stylesheet.sass

```sass
#main
    color: blue
    font-size: 0.3em
```

Crazy cool features...

SASS allows you to use additional features to write your code

such as variables, Nesting, Mixins and Property inheritance.

Let's see how they work !

styles/stylesheet.sass

```sass
$red: #FF4848

#main
    color: $red


p
    color: $red
```

styles/stylesheet.css

```css
#main {
    color: #FF4848;
}


p {
    color: #FF4848;
}
```

styles/stylesheet.sass

```sass
$myFontsize: 13px
$myFontsize2: 15px
$myWidth: 500px
$myMargin: 0px auto

#container
    width: $myWidth
    margin: $myMargin

    p
        font-family: Arial
        font-size: $myFontsize

    h2
        font-family: Helvetica
        font-size: $myFontsize2
```

styles/stylesheet.css

```css
//Creates the following CSS...

#container p {
    font-family: Arial;
    font-size: 13px;
}

#container h1 {
    font-family: Tahoma;
    font-size: 15px;
}

#container h2 {
    font-family: Helvetica;
    font-size: 14px;
}
```

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styles/stylesheet.sass

```sass
@mixin border-radius($amount: 5px)
    -moz-border-radius: $amount
    -webkit-border-radius: $amount
    -ms-border-radius: $amount
    border-radius: $amount

h1
    @include border-radius(2px)

.h2
    @include border-radius
```

styles/stylesheet.css

```css
//Creates the following CSS...

h1 {
  -moz-border-radius: 2px;
  -webkit-border-radius: 2px;
  -ms-border-radius: 2px;
  border-radius: 2px;
}

h2 {
  -moz-border-radius: 5px;
  -webkit-border-radius: 5px;
  -ms-border-radius: 5px;
  border-radius: 5px;
}
```

styles/stylesheet.sass

```sass
.msg
    border: 1px solid #ccc
    padding: 10px
    color: #333


.success
    @extend .msg border-color: green


.error
    @extend .msg border-color: red


.warning
    @extend .msg border-color: yellow
```

styles/stylesheet.css

```css
.message, .success, .error, .warning {
  border: 1px solid #cccccc;
  padding: 10px;
}


.success {
  border-color: green;
}


.error {
  border-color: red;
}


.warning {
  border-color: yellow;
}
```

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styles/stylesheet.sass

```sass
.container
    width: 100%

article
    width: 600px / 960px * 100%

aside
    width: 300px / 960px * 100%
```

styles/stylesheet.css

```css
.container {
  width: 100%;
}

article {
  width: 62.5%;
}

aside {
  width: 31.25%;
}
```

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SASS in Rails ?

Rails compile sass for you, all you need is to change

.scss file estention to .sass. See by yourselves...

Any questions ?

SASS makes CSS fun again!