

A group of people in a dark, futuristic setting with glowing blue energy fields.

smacks
your ass up



@minamarkham

Girl Develop It

don't be shy. develop it. 

A dark, semi-transparent overlay covers the background image of Michael Scott. The image shows Michael in his office, wearing a dark suit and tie, holding a white sign that reads "WORLD'S BEST BOSS". He is looking directly at the camera with a serious expression. In the background, there's a desk lamp, window blinds, and an "EXIT" sign.

“I need two demo sites”

**“And I need them
in two days”**



**SCREAMING
INTERNALITY**

css is easy.

css is hard
css is easy.



Frances Berriman

@phae



Follow

hell is other people's CSS.

Reply Retweet Favorite More

RETWEETS

152

FAVORITES

148



12:58 PM - 28 May 2014

A cartoon illustration of Peter Griffin, the father from the TV show Family Guy. He is shown from the waist up, wearing his signature white button-down shirt and green pants. He has a worried or suspicious expression, with his hands on his hips and his head tilted slightly to the side as he looks through a set of horizontal window blinds. The background shows a dark room with a window and a door.

CSS

Global

HD

css is bullshit.

Modular CSS

“Focusing on creating healthy front-end modules instead of complete pages can help break complex page layouts into **reusable solutions**.”

- Dave Rupert

[Store](#)[Mac](#)[iPod](#)[iPhone](#)[iPad](#)[iTunes](#)[Support](#)

You're more powerful than you think.
iPhone 5s

Watch the film "Parenthood"



[Shop the Apple Online Store](#) (1-800-MY-APPLE), visit an [Apple Retail Store](#), or find a [reseller](#).

[Site Map](#) | [Hot News](#) | [RSS Feeds](#) | [Media Info](#) | [Environment](#) | [Job Opportunities](#) | [Contact Us](#) |

Copyright © 2014 Apple Inc. All rights reserved. [Terms of Use](#) | [Privacy Policy](#)



OS X Yosemite
Every bit as powerful as it looks.

iOS 8
Coming this fall.

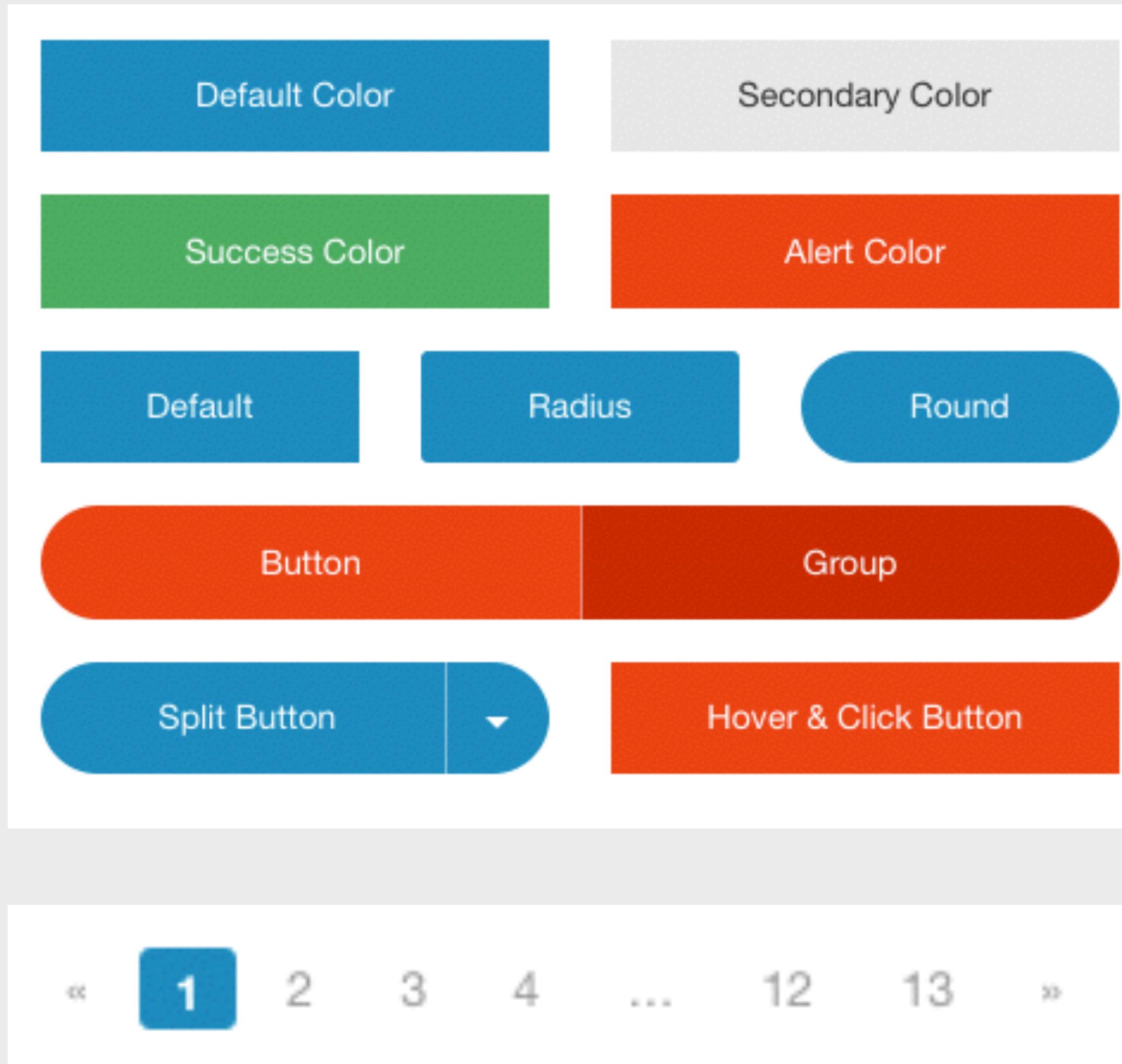
What will your verse be?
iPad Air

Get a gift card when you buy
a Mac, iPad, or iPhone for college.*

small pieces
independent
portable

Navigation, Tabs, Tables,
Accordions, Lists, Dropdowns
Pagination, Buttons, Labels,
Inputs, Breadcrumbs, etc.

“Tiny Bootstraps”



Tab 1 Tab 2 Tab 3

First panel content goes here...

Title

Search Go Dropdown ▾

Today's date Required

,m,m

If you didn't put in a date in the format 'mm/dd/yyyy,' this error should appear.

**Module, Pattern,
Component, etc.**

MVCSS, BEM,
OCSS, Suit,
intuit.css

SMACSS

Scalable & Modular Architecture for CSS



Framework

categorization
naming conventions
depth of applicability

Categorization



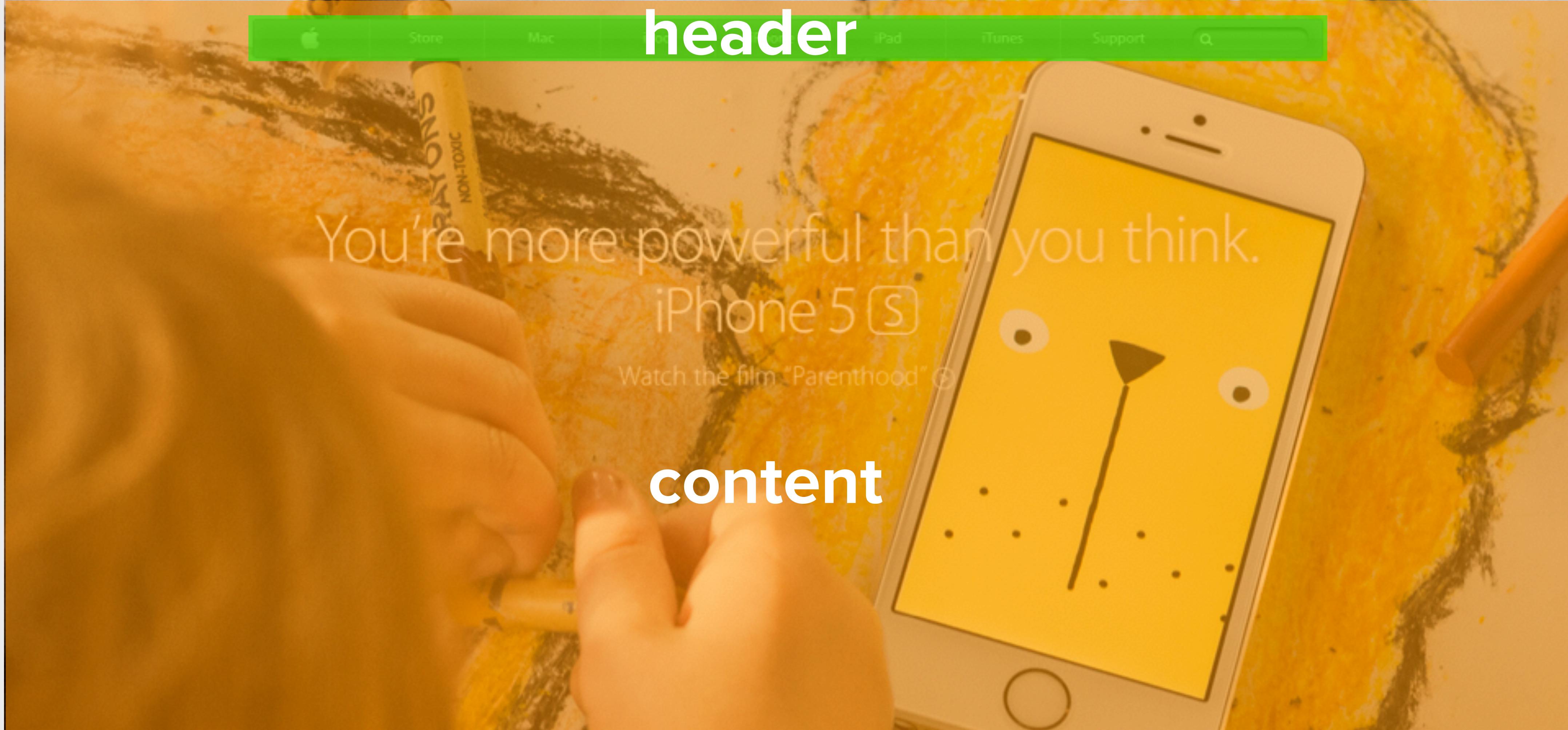
**base
layout
modules
states
themes**

**Base
CSS resets, default styles
(ex. html, body, h1, ul, etc)**

Layout

grid, major components

ex. header, sidebar, nav



content





Search or type a command



Explore Gist

header



minamarkham



Mina Markham
minamarkham



Parago



Dallas, TX



mina@mina.codes



http://mina.is/here/



Joined on Jun 25, 2011

12

Followers

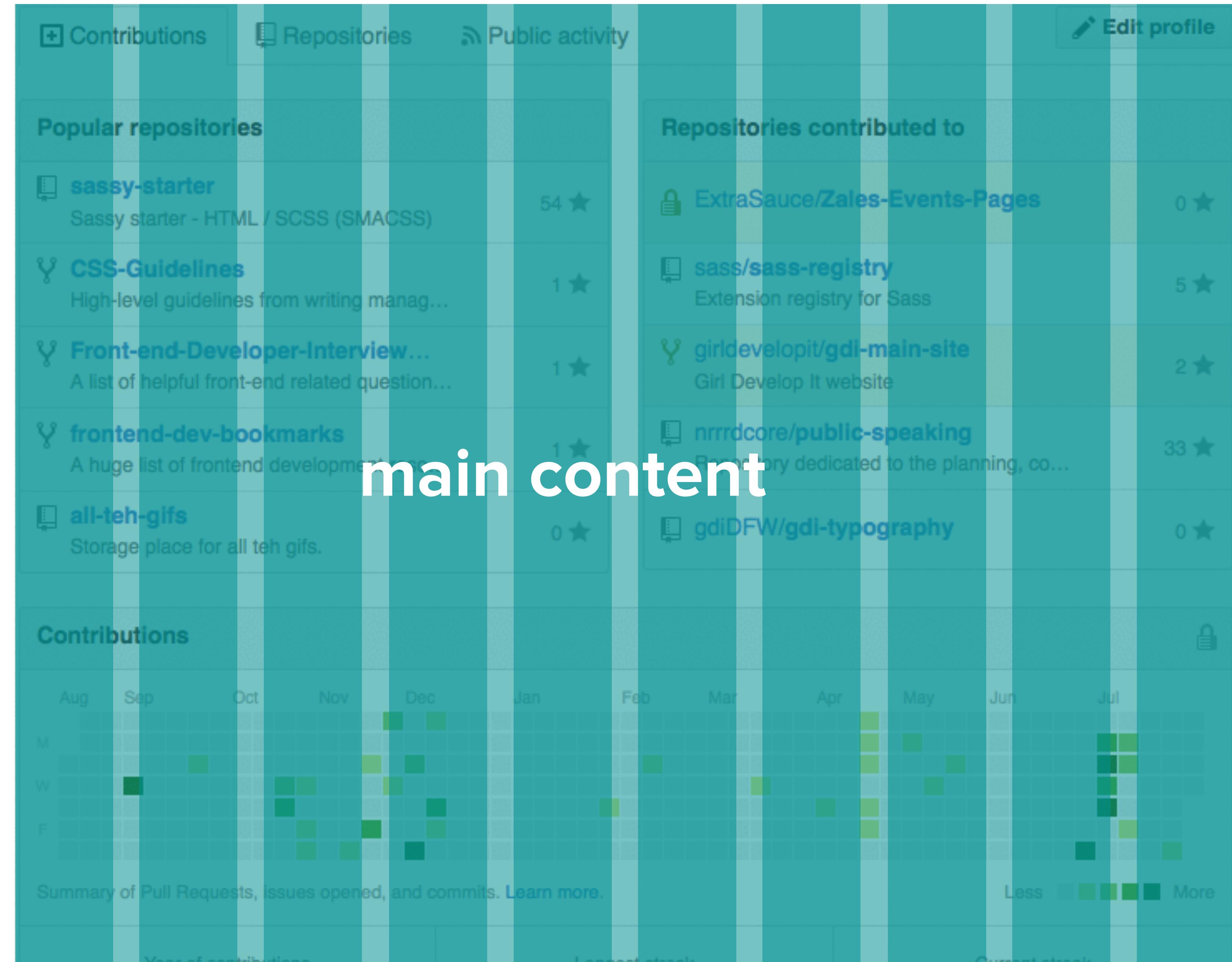
49

Starred

11

Following

Organizations



main content

Modules

content patterns

(ex. search-box, navigation, content-box)



promo

OS X Yosemite
Every bit as powerful as it looks.

promo

iOS 8
Coming this fall.

What will your verse be?
iPad Air

promo

Get a gift card when you buy
a Mac, iPad, or iPhone for college.*

promo

**States
module in various states**

Well done! You successfully read this important alert message.

Heads up! This alert needs your attention, but it's not super important.

Warning! Better check yourself, you're not looking too good.

Oh snap! Change a few things up and try submitting again.

Brand

Link

Link

Dropdown ▾

Search

Submit

Link

Dropdown ▾

Action

Another action

Something else here

Separated link

One more separated link

Themes module in various contexts



Work Thoughts Resources About Shop



Hello!

[Most Recent
Advertising](#)



[Most Recent
Books](#)



[Most Recent
Miscellany](#)



[Most Recent
Editorial](#)



[Read / Listen](#)

[SELECTED INTERVIEWS:](#)

Design Matters
with Debbie Millman

Your Dreams, My Nightmares
with Sam Weber

jessicahische.is
content
with Tina & Ryan Essmaker



[Work](#) [Thoughts](#) [Resources](#) [About](#) [Shop](#)

HELLO!

[Most Recent
Advertising](#)



[Most Recent
Books](#)



[Most Recent
Miscellany](#)



[Most Recent
Editorial](#)



[Read / Listen](#)

[Selected Interviews:](#)

Design Matters
with Debbie Millman

Your Dreams, My Nightmares
with Sam Weber

The Great Discontent
with Tina & Ryan Essmaker

[Buy](#)

[Letterpress Prints, Fonts, & More](#)



Naming Conventions

Base

h1, h2, p, a, etc.

Layout

.layout-* , .l-*

Module

.<name>

Module

.button

Sub-module

.<name>-<state>

Sub-module
.button-secondary

State

.is-*

Theme

.theme-*

Theme

.theme-*

A photograph of a deep, dark rectangular hole in dry, cracked earth. The hole is surrounded by a dark, moist soil area, while the surrounding ground is light brown and parched. The lighting creates strong shadows, emphasizing the depth of the excavation.

Depth of Applicability

**header#top-menu > nav > ul > li a
+ div > ul > li > ul li:hover > a {...}**

```
▼ <header id="top-menu" class="cf">
  ▼ <nav role="navigation">
    ▼ <ul>
      ▶ <li></li>
      ▼ <li>
        ▶ <a href="#"></a>
        ▼ <div>
          ▼ <ul>
            ▶ <li></li>
            ▶ <li></li>
            ▶ <li></li>
            ▼ <li>
              ▶ <a href="#"></a>
              ▼ <ul>
                ▼ <li>
                  ▶ <a href="#"></a>
```

10 generations!



```
header#top-menu > nav > ul > li a +  
div > ul > li > ul li:hover > a
```

0

Inline styles

1

IDs

1

Classes, attributes
and pseudo-classes

11

Elements and
pseudo-elements

+ Duplicate

Specificity = 0,1,1,11

**header#top-menu > nav > ul > li a
+ div > ul > li > ul li:hover > a {...}**

**header#top-menu > nav > ul > li a
+ div > ul > li > ul li:hover > a {...}**

.nav-subitem

.nav-subitem

0

Inline styles

0

IDs

1

Classes, attributes
and pseudo-classes

0

Elements and
pseudo-elements

+ Duplicate

Specificity = 0,0,1,0

.nav-subitem > a

.nav-subitem > a

0

Inline styles

0

IDs

1

Classes, attributes
and pseudo-classes

1

Elements and
pseudo-elements

+ Duplicate

Specificity = 0,0,1,1

child selectors
class selectors
naming conventions

Recap

categorize css rules
meaningful names
shallow selectors

A woman with blonde hair, wearing a sequined, ruffled dress, sits on a dark couch. She is looking towards the camera with a neutral expression. Behind her is a pink wall with large, partially visible white letters spelling "L A C".

add some
Sass



sass
not SASS

Namespacing



The background is a dark, textured surface with a faint, glowing ampersand symbol (&) centered in the upper half. The ampersand is rendered in a soft, glowing light that creates a hazy, ethereal effect against the dark background.

the almighty ampersand

```
.btn {  
  &:hover {...}  
}
```

.btn:hover {...}

```
.btn {  
    form & {...}  
}
```

form .btn {...}

&- or &_

```
.btn {  
  &-secondary {...}  
  &_secondary {...}  
}
```

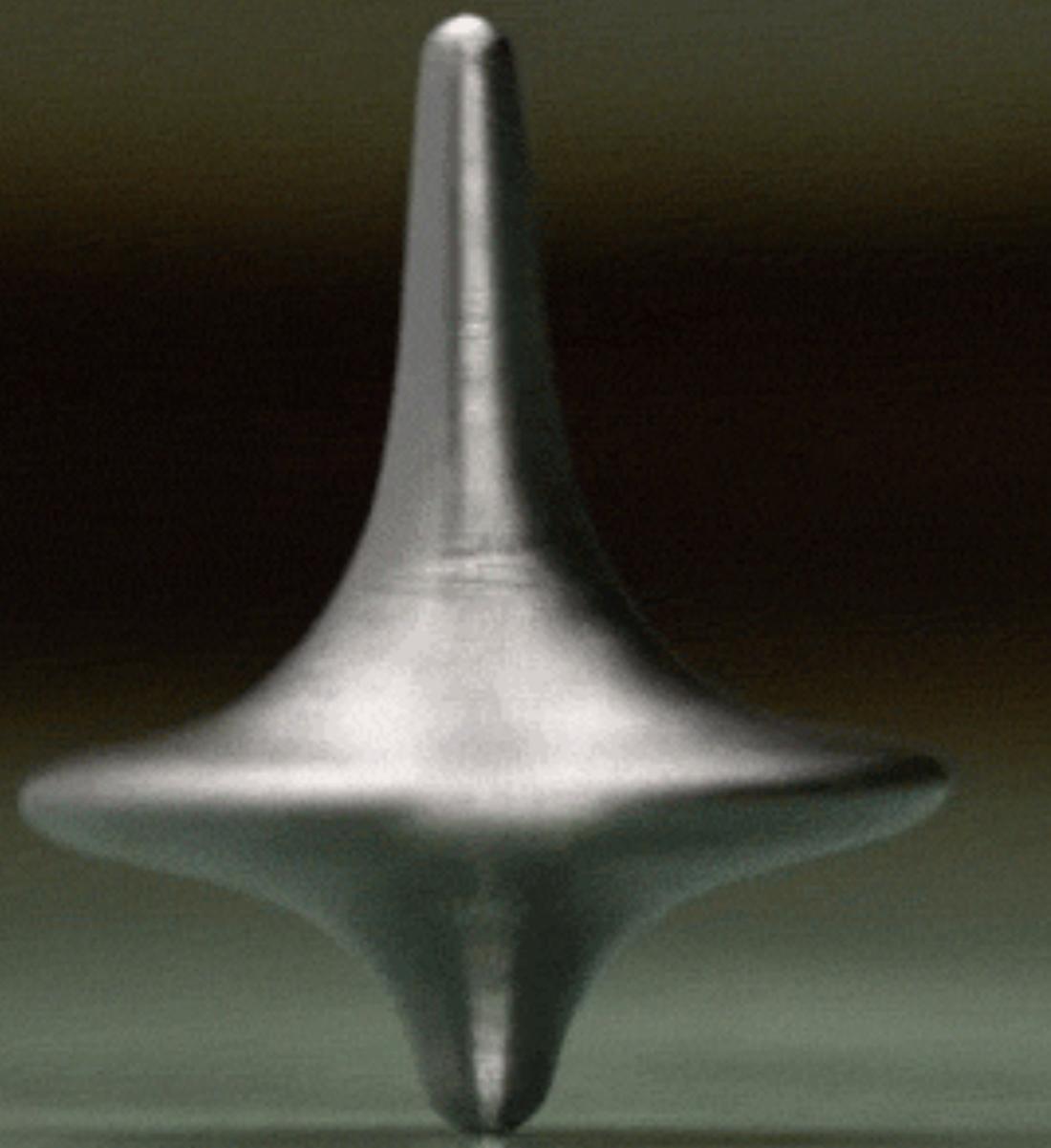
.btn-secondary {...}

.btn_secondary {...}

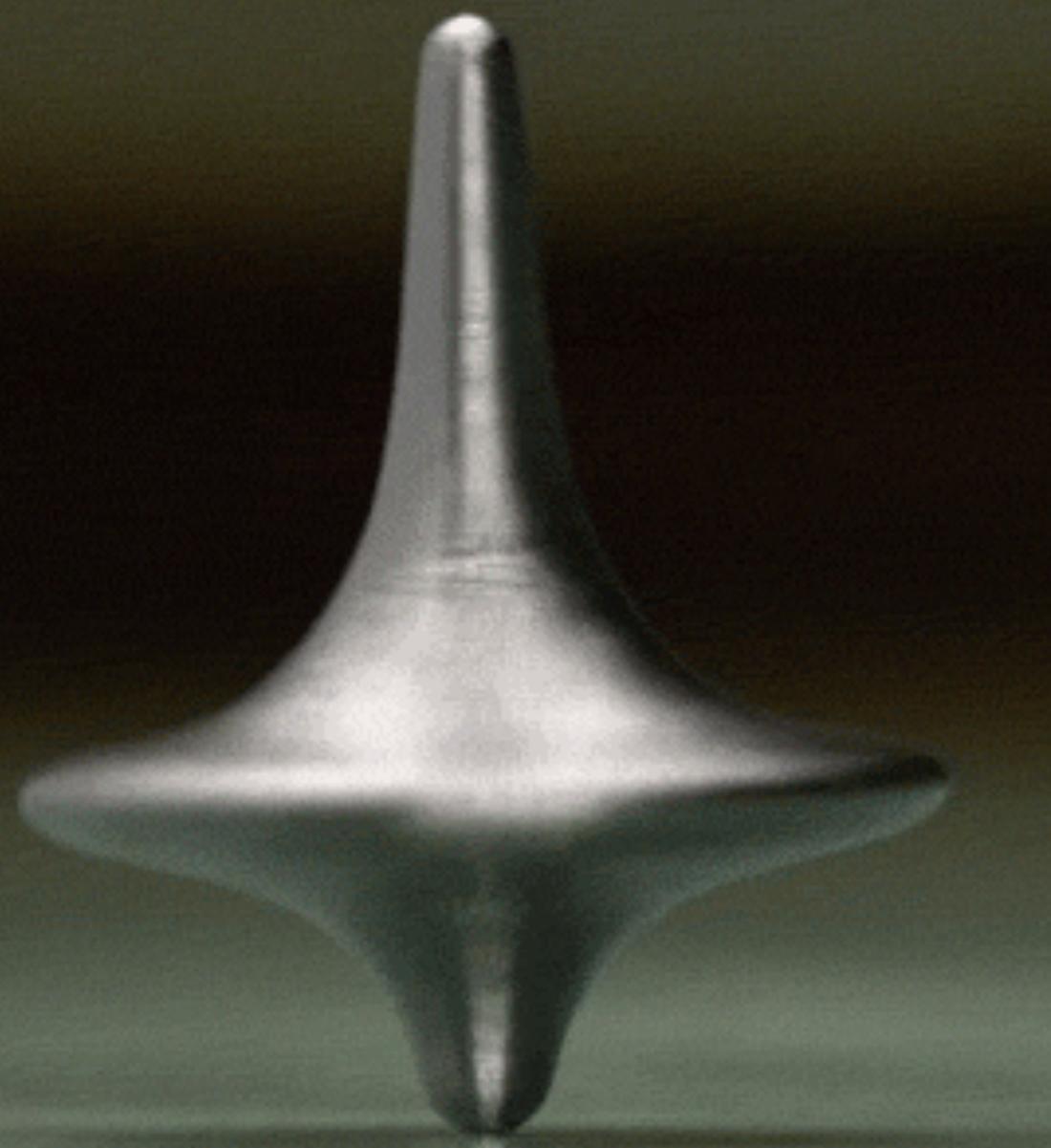
A stack of colorful Russian nesting dolls (matryoshka) is visible in the background, with the top doll's face clearly visible. The text "nesting" is overlaid in the foreground.

nesting

inception rule



<3 levels deep



```
.btn {  
  &-secondary {  
    &-icon {...}  
  }  
}  
}
```

.btn-secondary {...}

.btn-secondary-icon {...}

.btn {...}

.btn-large {...}

<div class="btn btn-large">

@extend
all the things!



.btn {...}

.btn-large {@extend .btn;}

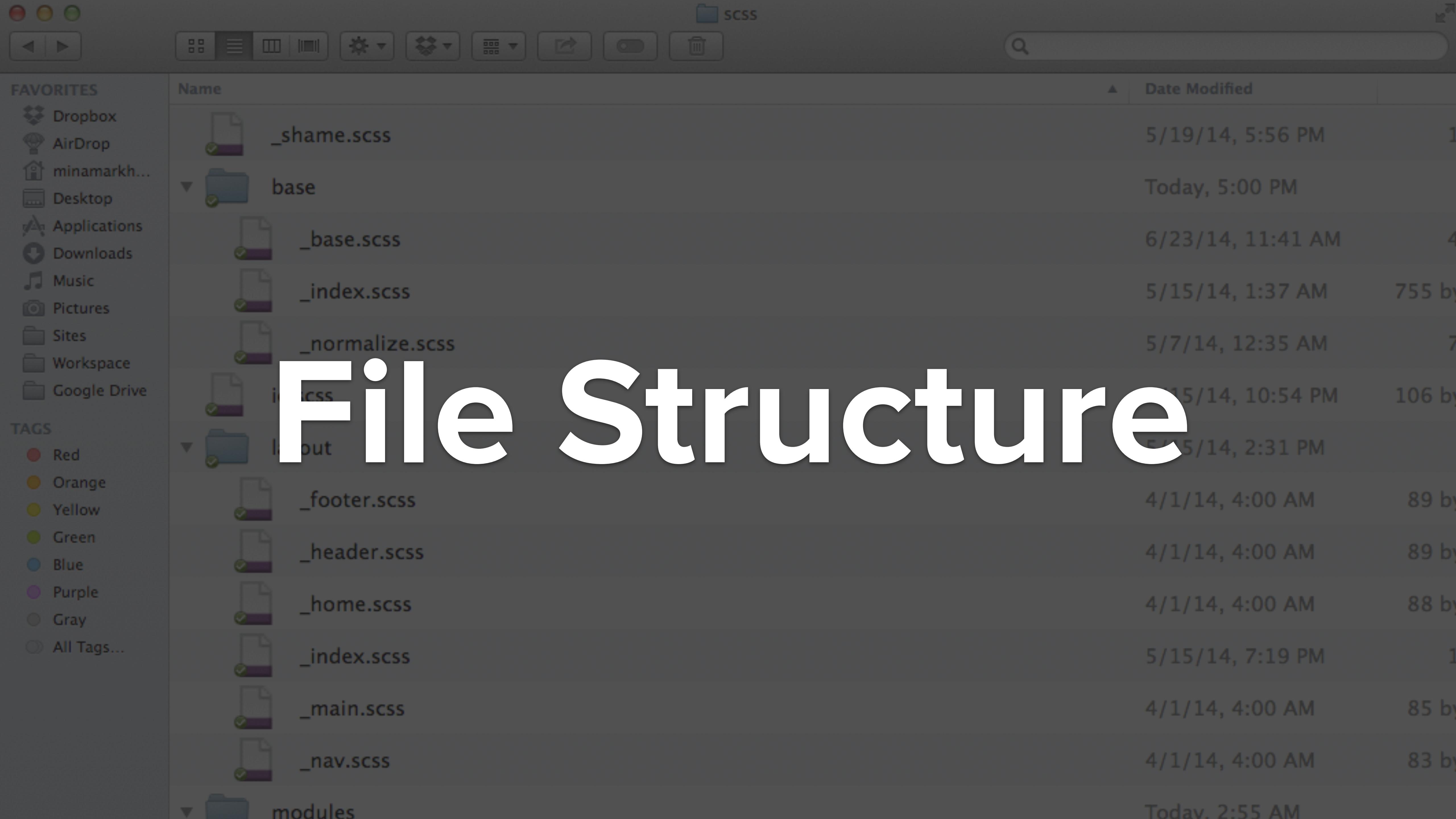
<div class="btn-large">

```
%btn {...}
```

```
.btn-large {@extend %btn;}
```

```
<div class="btn-large">
```

don't @extend
between modules



@import

01. Utilities

utilities/_index.scss

```
@import 'global';
@import 'functions';
@import 'mixins';
@import 'helpers';
```

Variables, mixins, functions, etc.
Basically anything that doesn't
output CSS by itself.

01. Utilities

02. Libraries

utilities/_lib.scss

```
@import "lib/susy";  
@import "lib/font-awesome";  
@import "lib/pesticide";
```

Third-party libraries such as Susy, Font Awesome, Pesticide, and other plugins.

01. Utilities

02. Libraries

03. Base

base/_index.scss

```
@import 'normalize';  
@import 'base';
```

CSS resets, Normalize,
element styles

01. Utilities

02. Libraries

03. Base

04. Layout

layout/_index.scss

```
@import 'global';  
@import 'functions';  
@import 'mixins';  
@import 'helpers';
```

Grid styles, major layout components (e.g. header, footer, sidebar, etc)

- 01. Utilities
 - 02. Libraries
 - 03. Base
 - 04. Layout
 - 05. Modules
-

modules/_index.scss

```
@import 'btn';  
@import 'table';  
@import 'nav';
```

Individual modules, such as
buttons, navigation, menus, etc.

- 01. Utilities
- 02. Libraries
- 03. Base
- 04. Layout
- 05. Modules
- 06. States

states/_index.scss

```
@import 'states';  
@import 'touch';
```

Describe states of being, ex:
active, collapsed or hidden

- 01. Utilities
- 02. Libraries
- 03. Base
- 04. Layout
- 05. Modules
- 06. States
- 07. @font-face

utilities/_fonts.scss Web fonts imports & declarations

- 01. Utilities
- 02. Libraries
- 03. Base
- 04. Layout
- 05. Modules
- 06. States
- 07. @font-face
- 08. Print

states/_print.scss

Print styles

!important



shame.css

shame.scss

- 01. Utilities
- 02. Libraries
- 03. Base
- 04. Layout
- 05. Modules
- 06. States
- 07. @font-face
- 08. Print
- 09. Shame

`_shame.scss`

because hacks happen



small and readable

sassy starter

v.0.1.0

A SMACSS-BASED STARTER TOOLKIT

mina.so/sassyStarter

 [VIEW ON GITHUB](#)

[DOCUMENTATION](#)

Disclaimer: This is an evolving project

A starter toolkit based on [Scalable and Modular Architecture for CSS](#) SMACSS for [Sass](#) (SCSS) projects. Do what you'd like with it :)

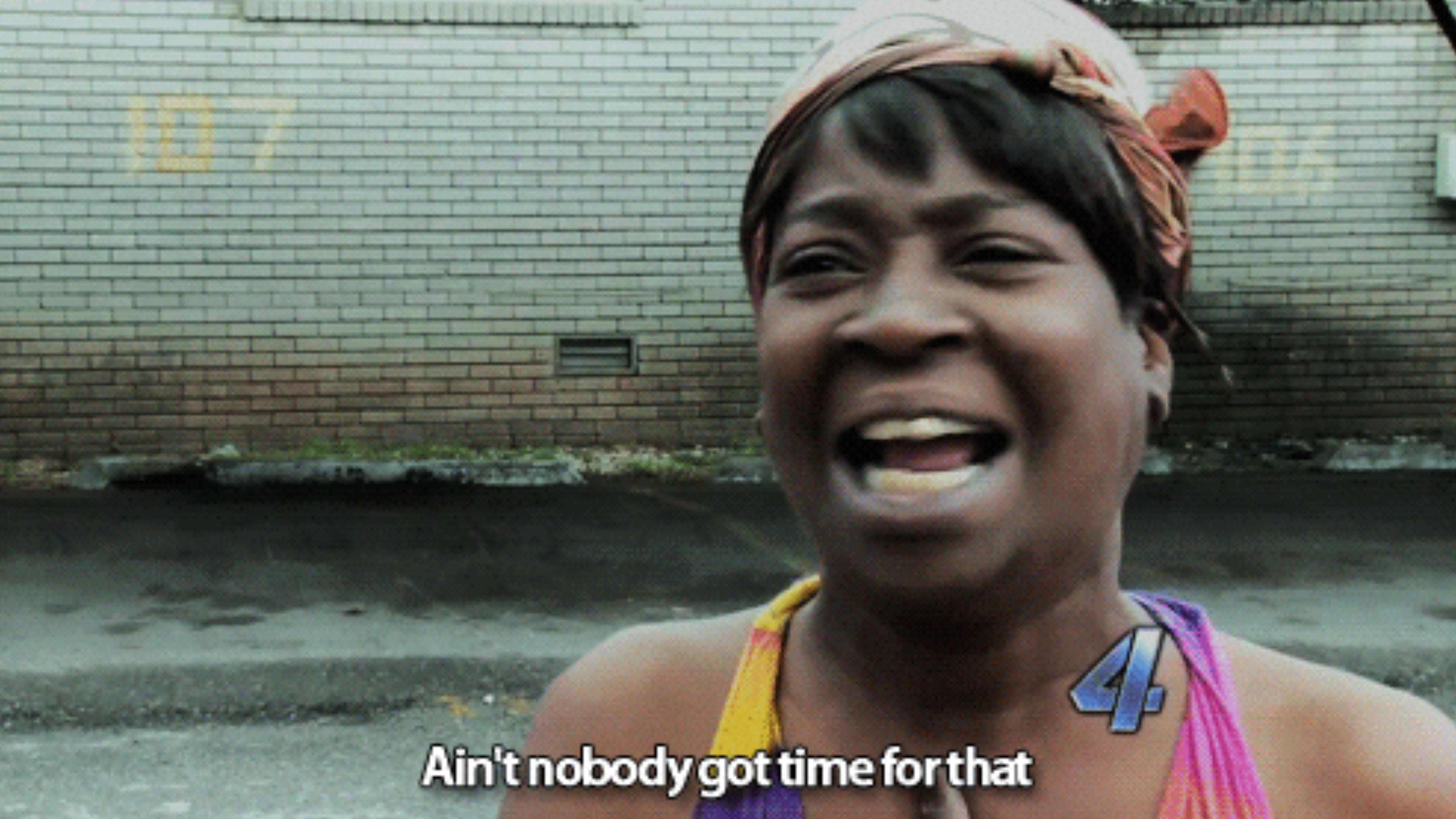
Theming

```
@mixin theme($name) {  
  @if $theme == $name {  
    @content; } }  
  
```

\$theme:

rebeccapurple

@include theme(\$rebeccapurple)



4

Ain't nobody got time for that

refactor
all the things!



```
601  
602 a.move-forward.btn-login-wht {background-position:-20px -5321px;}  
603 a.rollover-forward.btn-login-wht {background-position:-20px -5371px;}  
604 .ie6 a.move-forward.btn-login-ltgray {background-position:-20px -5321px;}  
605  
606 a.move-backward span {display:none;}  
607 .ie6 a.move-backward span {text-indent:-99999px;}  
608  
609 /* global search button */  
610 #glb-search-container form .search {font-size:15px !important; width:40px; margin:7px 0 0 3px; padding:0; color:#FFA100;  
611 ; background:0; cursor:pointer; font-weight:bold; border-width:0;}  
612 .ie7 #glb-search-container form .search {margin:8px 0 0 1px;}  
613 .ie6 #glb-search-container form .search {margin:8px 0 0 0;}  
614  
615 /* GLOBAL WRAPPER */  
616  
617 .glb-wrapper-inner {background:url('../img/glb-hdr-bg.jpg') 50% 0% no-repeat;}  
618  
619 /* GLOBAL HEADER */  
620  
621 .glb-hdr-container {position:relative; z-index:100;}  
622 .glb-hdr {position:relative; width:980px; font-size:.93em; margin:0 auto;}  
623 .glb-hdr a:hover {text-decoration:none;}  
624  
625 #logo {margin:21px 0 43px;}  
626  
627 #glb-hdr-toolbar {position:absolute; top:0; right:0; height:50px; overflow:visible; line-height:30px; z-index:105;  
628 padding-top:4px;}  
629  
630 #glb-hdr-toolbar .contact-link,  
631 #glb-hdr-toolbar .salutation {float:left; margin-right:10px; /*color:#fffff;*/ color:#000000;}  
632 #glb-hdr-toolbar .logout-link {float:left; /*margin-left:10px; /*color:#fffff;*/ color:#000000;}  
633 /*#glb-hdr-toolbar .logout-link span {padding-left:11px; background:url('../img/bg-vertical-separator.gif') 0% 50%  
634 repeat-y;}
```

**refactor
all the things?**





Baby steps

extract components

create variables

apply naming conventions

nest and `@extend`

Home

the beginning

Portfolio

my work

Contact

say hi

About

my story

mina.so/smacss-menu

Before: 161 lines

After: 97 lines

Recap

namespace with
ampersands & @extends

break modules into partials

refactor in chunks

Resources



Scalable and Modular Architecture for CSS

A flexible guide to developing sites small and large.



"SMACSS is becoming one of the most useful contributions to front-end discussions in years" *

I've been analyzing my process (and the process of those around me) and figuring out how best to structure code for projects on a larger scale. What I've found is a process that works equally well for sites small and large.

Learn how to structure your CSS to allow for flexibility and maintainability as your project and your team grows.

Get smacked!

What is it?

SMACSS (pronounced "smacks") is more style guide than rigid framework. There is no library within here for you to download or install.

SMACSS is a way to examine your design process and as a way to fit

What's in SMACSS?

Preface

1. [About the Author](#)
2. [Introduction](#)

[Install](#)[Learn Sass](#)[Blog](#)[Documentation](#)[Get Involved](#)

Sass Basics

Before you can use Sass, you need to set it up on your project. If you want to just browse here, go ahead, but we recommend you go install Sass first. [Go here](#) if you want to learn how to get everything setup.

Pre-processing

CSS on its own can be fun, but stylesheets are getting larger, more complex, and harder to

TOPICS

[Preprocessing](#)[Variables](#)[Nesting](#)[Partials](#)[Import](#)[Mixins](#)



SCSS

```
79    text-decoration: none;
80    text-shadow: 0 1px 1px rgba(0,0,0,.1);
81    transition: all linear 0.1s;
82  }
83
84  .nav-subtitle {
85    color: rgba(255,255,255,.75);
86    display: block;
87    font-family: Georgia, "Times New Roman", Times, serif;
88    font-size: .7rem;
89    font-style: italic;
90    line-height: 1rem;
91    max-width: 260px;
92  }
93
94  @media (min-width: 990px) {
95    .nav-item > a {
96      max-width: 500px;
97      font-size: 1.7rem;
98      line-height: 2rem;
99    }
100
101  .nav-subtitle {
102    margin: 4px 0 0;
103  }
104 }
```

CSS

```
1  * {
2    margin: 0;
3    padding: 0;
4  }
5
6  /*NAV*/
7  .top-bar {
8    background: linear-gradient(to left, rgba(54, 194, 182, 0.96) 0, rgba(
9    border-bottom: 1px solid rgba(0, 0, 0, 0.1);
10   box-shadow: 0 1px 1px 0 rgba(0, 0, 0, 0.1);
11   display: block;
12   position: fixed;
13   width: 100%;
14   z-index: 1000;
15   font-family: 'Helvetica Neue', Helvetica, Arial, sans-serif;
16   font-size: 1.05em;
17   font-weight: 400;
18   line-height: 1.6rem;
19 }
20
21  .nav {
22   display: flex;
23   flex-wrap: wrap;
24   justify-content: flex-start;
25   list-style: none;
26   margin: 0;
```

mina.so/smaccs

thanks!

@minamarkham

