

**DELIGHTFUL  
STYLESHETS**

**ALY FLUCKEY**  
**UX DEVELOPER**

css is HARD

- > NO ERROR REPORTING
- > BROWSER COMPATIBILITY
  - > SPECIFICITY
  - > NECESSITY

~~ESL IS HARD~~

**BUT IT DOESN'T HAVE TO BE**

(MORE ON THIS LATER)

THE CASCADE



 HTML

```
1 <p>Damage report! Congratulations - you just destroyed the  
Enterprise.</p>  
2  
3 <p>Travel time to the nearest starbase? Is it my imagination,  
or have tempers become a little frayed on the ship lately?  
</p>
```

 CSS

```
1 p {  
2   color: blue;  
3 }  
4  
5 p {  
6   color: red;  
7 }
```

Damage report! Congratulations - you just destroyed the Enterprise.

Travel time to the nearest starbase? Is it my imagination, or have tempers become a little frayed on the ship lately?

1. IMPORTANCE
2. SPECIFICITY
3. SOURCE ORDER

**!IMPORTANT**

# SPECIFICITY

# Specificity

A PEN BY Aly Fluckey

Save

Fork

Settings

Change View



## HTML

```
1 <p>Damage report! Congratulations - you just destroyed the  
Enterprise.</p>  
2  
3 <p class="paragraph" id="specific-id">Travel time to the  
nearest starbase? Is it my imagination, or have tempers become  
a little frayed on the ship lately?</p>
```

## CSS

```
1 #specific-id {  
2   color: black;  
3   border-bottom: 1px solid blue;  
4 }  
5  
6 p.paragraph {  
7   color: blue;  
8   border-bottom: none !important;  
9 }  
10 |  
11 p {  
12   color: red;  
13   border-bottom: 1px solid red;  
14 }
```

Damage report! Congratulations - you just destroyed the Enterprise.

Travel time to the nearest starbase? Is it my imagination, or have tempers become a little frayed on the ship lately?

Collections

Console

Assets

Comments

Delete

Keyboard

Last saved less than a minute ago

Share

Export

Embed

SOURCE ORDER

```
▼ stylesheets/
  ▼ 00-variables/
    _01-colors.scss
    _02-fonts.scss
    _03-measurements.scss
    _04-base.scss
    _breakpoints.scss
    _z-index.scss
  ▼ 01-tools/
    ▶ extends/
    ▶ mixins/
    ▶ resets/
    _functions.scss
  ▼ 02-base/
    _buttons.scss
    _general.scss
    _images.scss
    _inputs.scss
    _labels.scss
    _lists.scss
    _tables.scss
    _typography.scss
  ▼ 03-structure/
    _gallery.scss
    _grid.scss
    _layout.scss
  ▼ 04-components/
    ▶ nav/
    _test.scss
  ▼ 05-utilities/
    _test.scss
    _text.scss
    _working.scss
    application-print.scss
    application-styleguide.scss
    application.scss
```

```
.paragraph {
  color: coral !important;
}
```

```
.paragraph {
  color: teal !important;
}
```

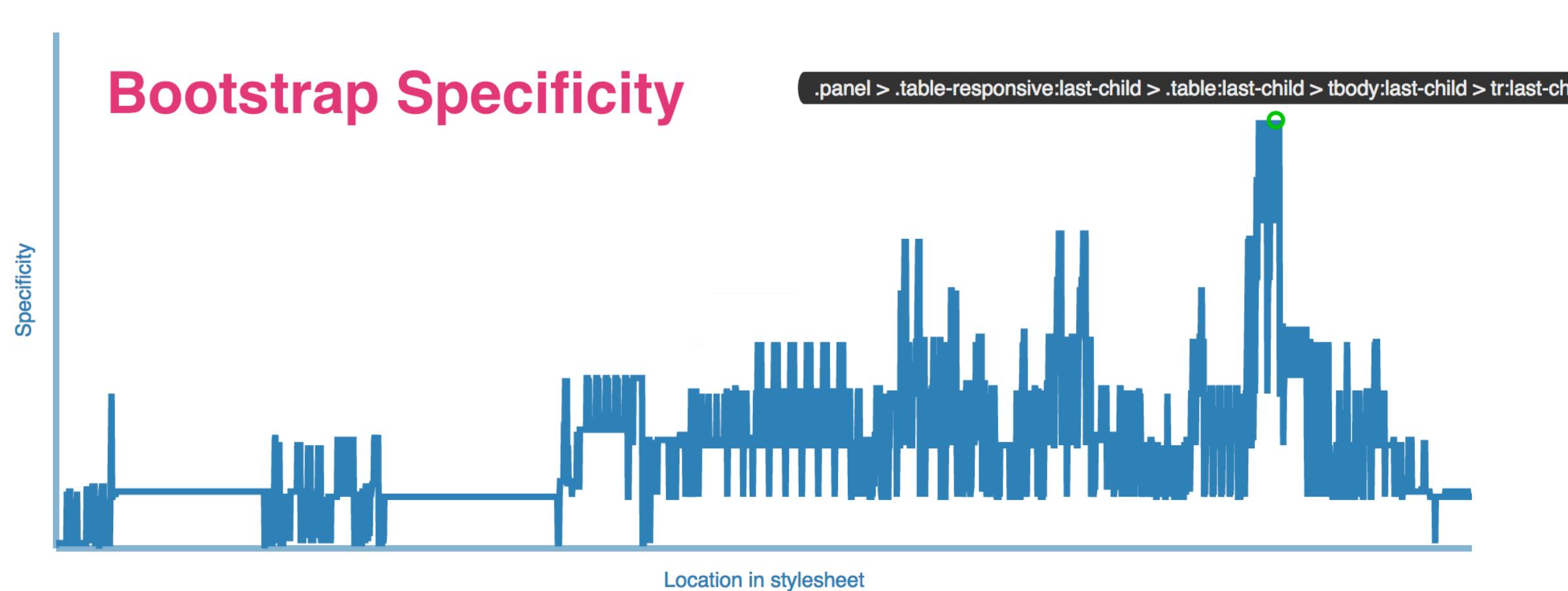
# SPECIFICITY WARS

```
3845 select.input-group-lg > .form-control,
3846 select.input-group-lg > .input-group-addon,
3847 select.input-group-lg > .input-group-btn > .btn {
3848   height: 46px;
3849   line-height: 46px;
3850 }
3851 textarea.input-group-lg > .form-control,
3852 textarea.input-group-lg > .input-group-addon,
3853 textarea.input-group-lg > .input-group-btn > .btn,
3854 select[multiple].input-group-lg > .form-control,
3855 select[multiple].input-group-lg > .input-group-addon,
3856 select[multiple].input-group-lg > .input-group-btn > .btn {
3857   height: auto;
3858 }
3859 .input-group-sm > .form-control,
3860 .input-group-sm > .input-group-addon,
3861 .input-group-sm > .input-group-btn > .btn {
3862   height: 30px;
3863   padding: 5px 10px;
3864   font-size: 12px;
3865   line-height: 1.5;
3866   border-radius: 3px;
3867 }
3868 select.input-group-sm > .form-control,
3869 select.input-group-sm > .input-group-addon,
3870 select.input-group-sm > .input-group-btn > .btn {
3871   height: 30px;
3872   line-height: 30px;
3873 }
3874 textarea.input-group-sm > .form-control,
3875 textarea.input-group-sm > .input-group-addon,
3876 textarea.input-group-sm > .input-group-btn > .btn,
3877 select[multiple].input-group-sm > .form-control,
3878 select[multiple].input-group-sm > .input-group-addon,
3879 select[multiple].input-group-sm > .input-group-btn > .btn {
3880   height: auto;
bootstrap.css
```

Fork me on GitHub

# CSS Specificity Graph Generator

Spikes are bad, and the general trend should be towards higher specificity later in the stylesheet. More info

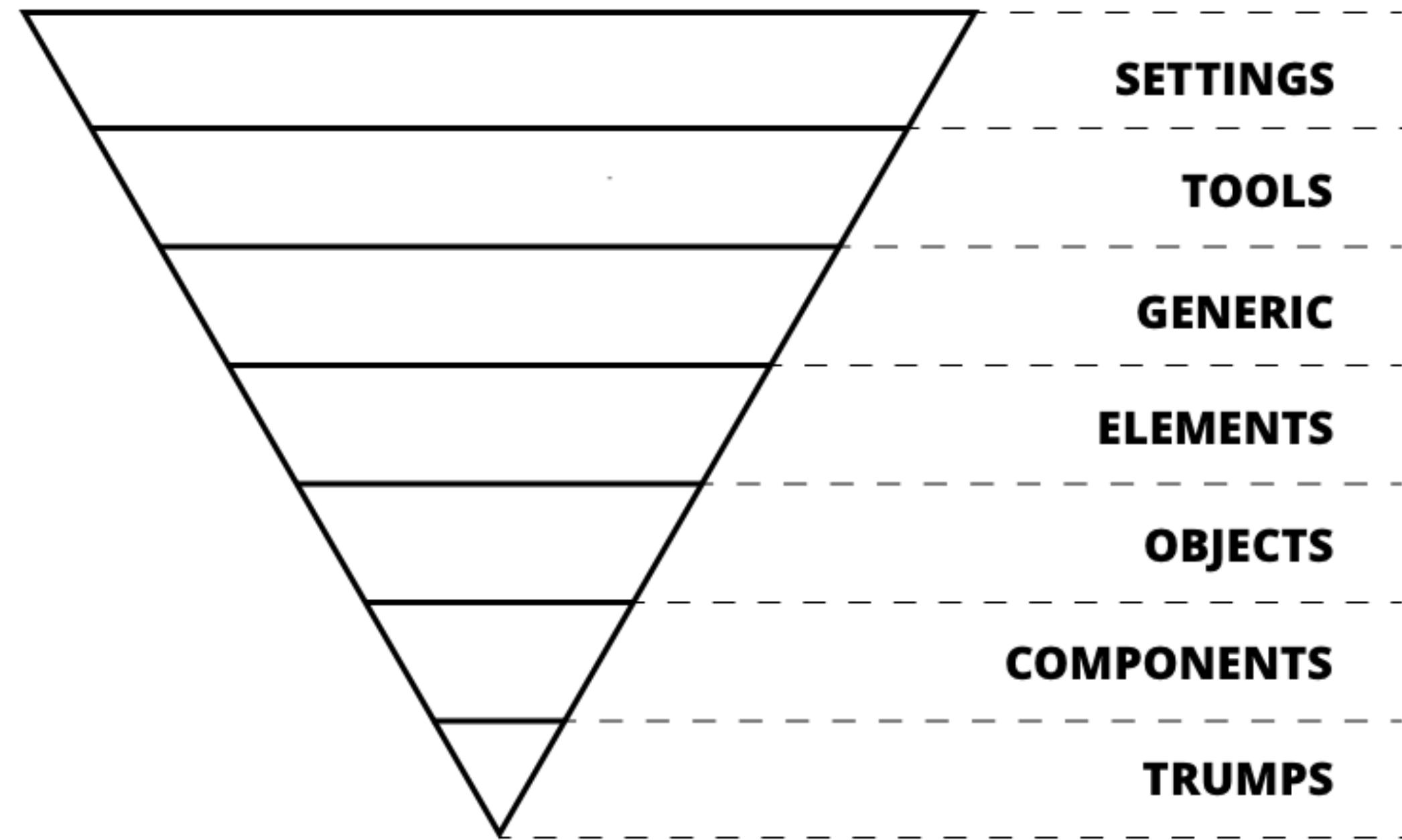


ORGANIZATION &  
COMPONENTIZATION

PHILOSOPHY  
NOT A  
FRAMEWORK

ITCSS

INVERTED  
TRIANGLE  
CSS



SETTINGS

CONTAIN FONTS, COLORS,  
MEASUREMENTS, ETC

# TOOLS GLOBALLY USED MIXINS AND FUNCTIONS

GENERAL  
RESET AND/OR NORMALIZE STYLES.  
BOX-SIZING DEFINITION. ETC

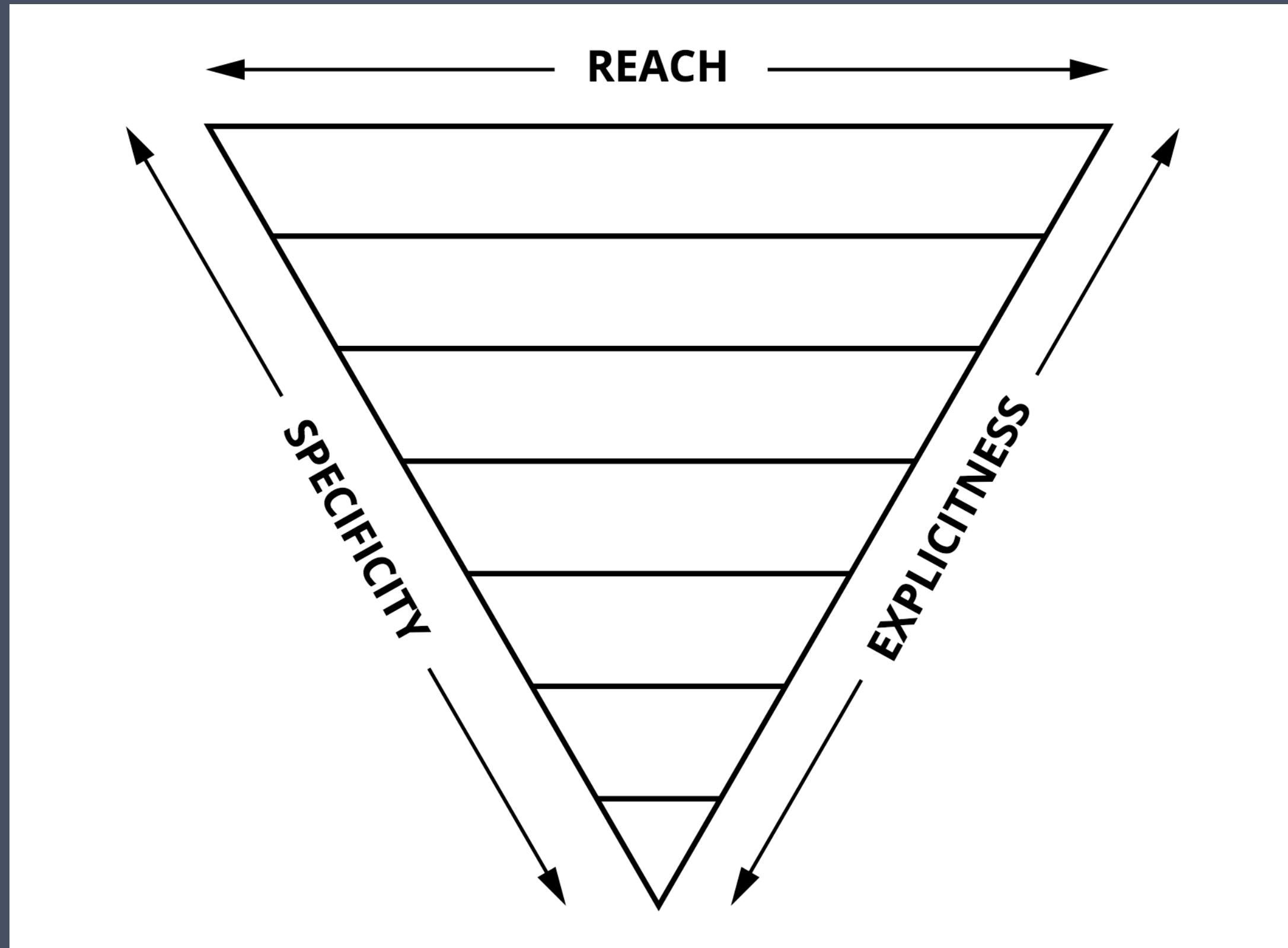
# ELEMENTS

STYLING FOR BARE HTML  
ELEMENTS, LIKE H1, A, ETC

OBJECTS  
CLASS-BASED SELECTORS WHICH  
DEFINE UNDECORATED DESIGN  
PATTERNS

**COMPONENTS**  
**SPECIFIC COMPONENTS**  
**UNIQUE TO THE DESIGN**

TRUMPS  
UTILITIES AND HELPER  
CLASSES WITH ABILITY  
TO OVERRIDE



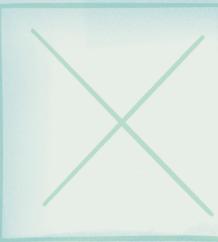
```
▼ stylesheets/
  ▼ 00-variables/
    _01-colors.scss
    _02-fonts.scss
    _03-measurements.scss
    _04-base.scss
    _breakpoints.scss
    _z-index.scss
  ▼ 01-tools/
    ▶ extends/
    ▶ mixins/
    ▶ resets/
    _functions.scss
  ▼ 02-base/
    _buttons.scss
    _general.scss
    _images.scss
    _inputs.scss
    _labels.scss
    _lists.scss
    _tables.scss
    _typography.scss
  ▼ 03-structure/
    _gallery.scss
    _grid.scss
    _layout.scss
  ▼ 04-components/
    ▶ nav/
    _test.scss
  ▼ 05-utilities/
    _test.scss
    _text.scss
    _working.scss
  application-print.scss
  application-styleguide.scss
  application.scss
```

```
1 @import "00-variables/*";
2
3
4
5 @import "01-tools/resets/*"; // include the resets first
6 @import "01-tools/extends/*";
7 @import "01-tools/mixins/*";
8 @import "01-tools/functions";
9
10
11 @import "02-base/*";
12
13
14 @import "03-structure/*";
15
16
17 @import "04-components/*";
18
19
20 @import "05-utilities/*";
21
22
23 @import "working";
24
25
26
27
28
29
30
31
32
33
34
35
36 █
```

# COMPONENTIZATION

**DISCRETE**  
**SELF-CONTAINED**  
**REUSABLE**

# SECTION HEADER



ARTICLE TITLE

Byline



ARTICLE TITLE

BYLINE



ARTICLE TITLE

BYLINE



FEATURED  
ARTICLE

```
//////// In the variables/ directory ///////
// variables/_measurements.scss
$gutter: 20px;
$gutter--half: 10px;
$gutter--narrow: 5px;

// variables/_colors.scss
$purple: #8e44ad;
$blue: #2980b9;
$black: #333333;
$silver: #bdc3c7;

//variables/_font.scss
$sansSerif: Helvetica, sans-serif;

$fontSize--base: 16px;
$fontSize--small: 13px;
```

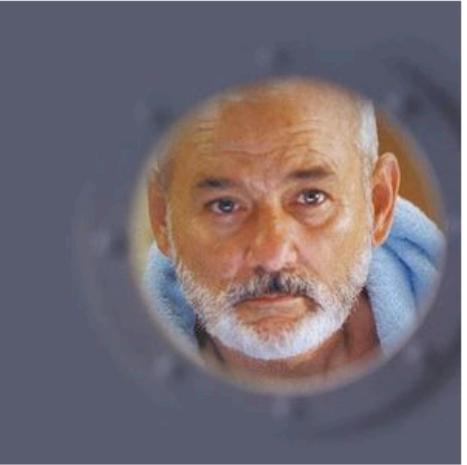
```
//////// In the base/ directory ///////
// base/_typography.scss
h1, h2, h3, h4, h5, h6 {
  margin-top: 0;
  margin-bottom: $gutter--narrow;
}

h2 {
  font-size: 2em;
}

h3 {
  font-size: 1.5em;
}
```

```
//////// In the structure/ directory ///////
// structure/_layout.scss
.container {
  max-width: 900px;
  margin: 0 auto;
  padding: $gutter;
}
```

## Section Header Here!



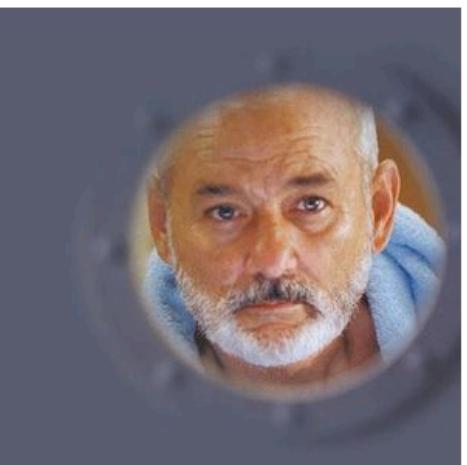
### Title Here

Published on 1/12/2017

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### Title Here

Published on 1/12/2017

 Save

 Fork

 Settings

 Change View

### HTML (Haml)

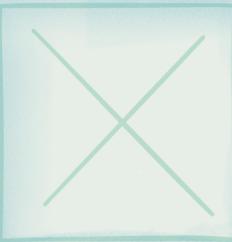
```
1 .container
2   %h2 Section Header Here!
3
4   - 3.times do
5     %img{src="http://fillmurray.com/300/300"}
6
7   %h3 Title Here
8   Published on 1/12/2017
9
10  %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sapiente facere aliquam dolorem ipsa hic dicta blanditiis nesciunt voluptatem qui id quis similiqe corporis natus mollitia, at preferendis pariatur nobis minima.
11
12  %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Beatae architecto ex quis ad excepturi eaque rerum placeat doloribus, exercitationem sit ut, sint repudiandae quaerat id corrupti illum consequuntur similiqe. Nobis?
13
14  %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolorem, numquam totam. Tenetur voluptatem optio pariatur assumenda, aliquam tempore, repellendus inventore temporibus magnam quaerat sed aut dolorum. Rerum vel, unde preferendis.
```

### CSS (SCSS)

```
41 //////////////////////////////////////////////////////////////////
```

### JS

# SECTION HEADER



ARTICLE TITLE

Byline



ARTICLE TITLE

BYLINE



ARTICLE TITLE

BYLINE

## TEXT COMPONENTS

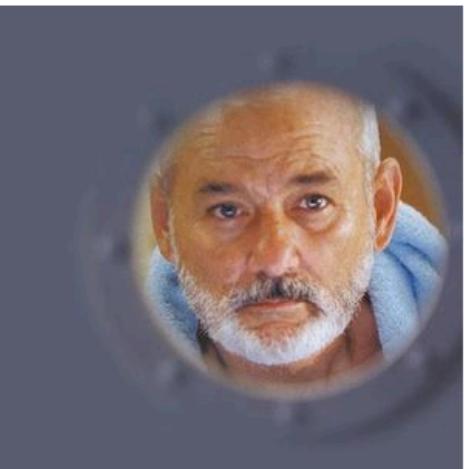
1. SECTION HEADER
2. ARTICLE TITLE
3. BYLINE

## ENTRY COMPONENTS

1. ENTRY CONTAINER
2. ENTRY IMAGE
3. ENTRY CONTENT
4. FEATURED ENTRY



## Section Header Here!



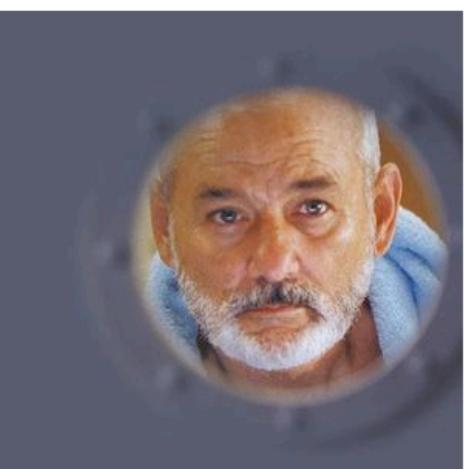
Title Here

Published on 1/12/2017

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Title Here

Published on 1/12/2017

HTML (Haml)

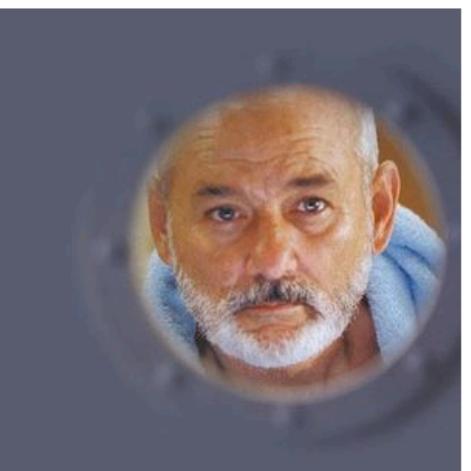
```
1 .container
2 %h2.sectionHeader Section Header Here!
3
4 - 3.times do
5   %img{src="http://fillmurray.com/300/300")
6
7 %h3.title.title--purple Title Here
8 .title.subtitle Published on 1/12/2017
9
10 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sapiente facere aliquam dolorem ipsa hic dicta blanditiis nesciunt voluptatem qui id quis similique corporis natus mollitia, at preferendis pariatur nobis minima.
11
12 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Beatae architecto ex quis
```

CSS (SCSS)

```
41 // In the components/ directory -----
42 // components/_text.scss
43 .sectionHeader {
44   border-bottom: 1px solid $black;
45   margin-bottom: $gutter;
46 }
47
48 .title {
49   font-family: $sansSerif;
50 }
51
52 .title--purple {
53   color: $purple;
54 }
55
56 .subtitle {
57   color: $blue;
58   font-size: $fontSize--small;
59 }
```

JS

## Section Header Here!



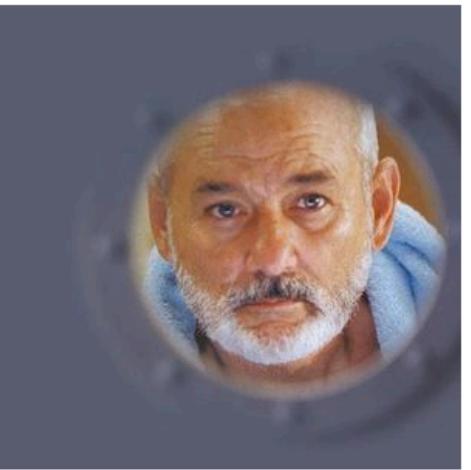
Title Here

Published on 1/12/16

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Title Here

Published on 1/12/16

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### HTML (Haml)

```
1 .container
2 %h2.sectionHeader Section Header Here!
3
4 - 3.times do
5   .entry
6     %img.entry__image(src="http://fillmurray.com/300/300")
7
8   .entry__content
9     %h3.title.title--purple Title Here
10    .title.subtitle Published on 1/12/16
11
12   .entry__body
13     %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
14     tempor incididunt ut labore et dolore magna aliqua.
15
16   %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quidem, quis
17     sapiente minima provident, saepe rem voluptates, hic ex reiciendis est dolorum
     officia quas blanditiis sequi voluptatum cum maiores molestiae architecto.
18
19   %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
     tempor incididunt ut labore et dolore magna aliqua.
```

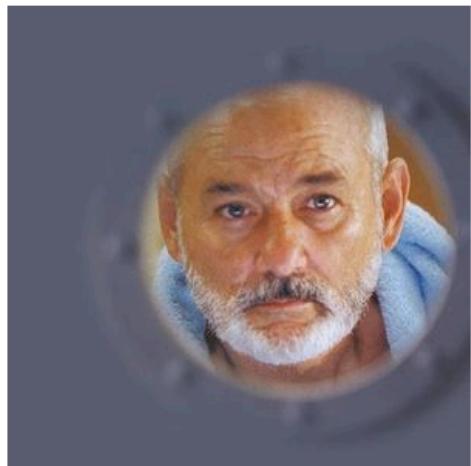
### CSS (SCSS)

```
41 //////////////////////////////////////////////////////////////////
42 // components/_text.scss
43 .sectionHeader {
44   border-bottom: 1px solid $black;
45   margin-bottom: $gutter;
46 }
```

### JS



## Section Header Here!



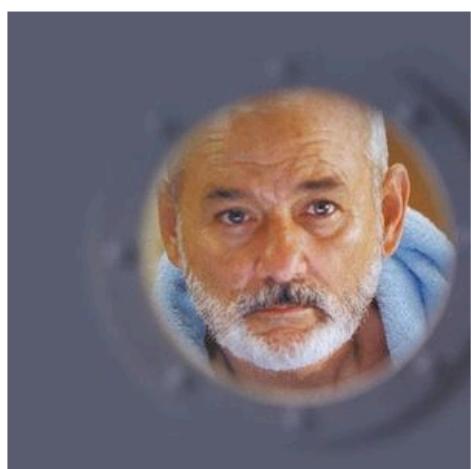
Title Here

Published on 1/12/16

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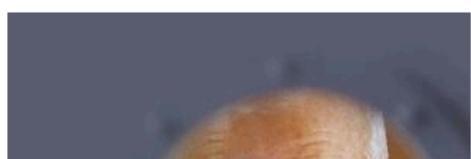
Title Here

Published on 1/12/16

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Title Here

Published on 1/12/16

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### HTML (Haml)

```
5 .entry
6 %img.entry__image(src="http://fillmurray.com/300/300")
7
8 .entry__content
9 %h3.title.title--purple Title Here
10 .title.subtitle Published on 1/12/16
11
12 .entry__body
13 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
14 tempor incididunt ut labore et dolore magna aliqua.
15
16 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quidem, quis
17 sapiente minima provident, saepe rem voluptates, hic ex reiciendis est dolorum
officia quas blanditiis sequi voluptatum cum maiores molestiae architecto.
18
19 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua.
```

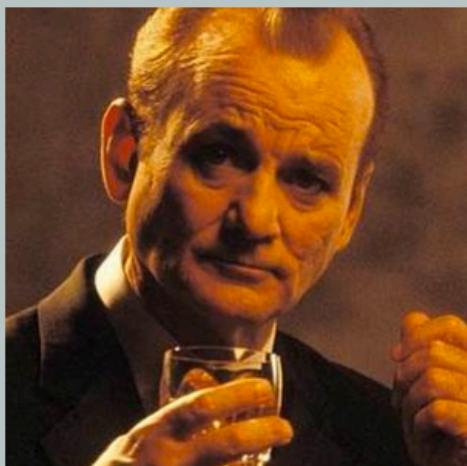
### CSS (scss)

```
6 // components/_entries.scss
7 .entry {
8   border: 1px solid $silver;
9   margin-bottom: $gutter * 2;
10  padding: $gutter;
11  clear: both;
12  overflow: auto;
13 }
14
15 .entry__image {
16   float: left;
17   max-width: 300px;
18   width: 100%;
19   height: auto;
20 }
21
22 .entry__content {
23   overflow: auto;
24   padding: $gutter--half;
25 }
```

### JS



## Section Header Here!



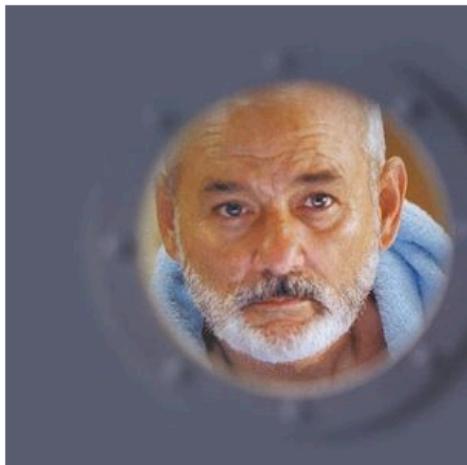
Title Here

Published on 1/12/16

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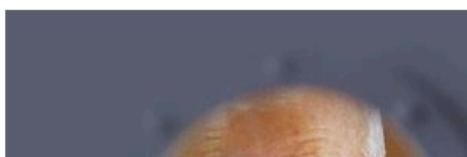
Title Here

Published on 1/12/16

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Title Here

Published on 1/12/16

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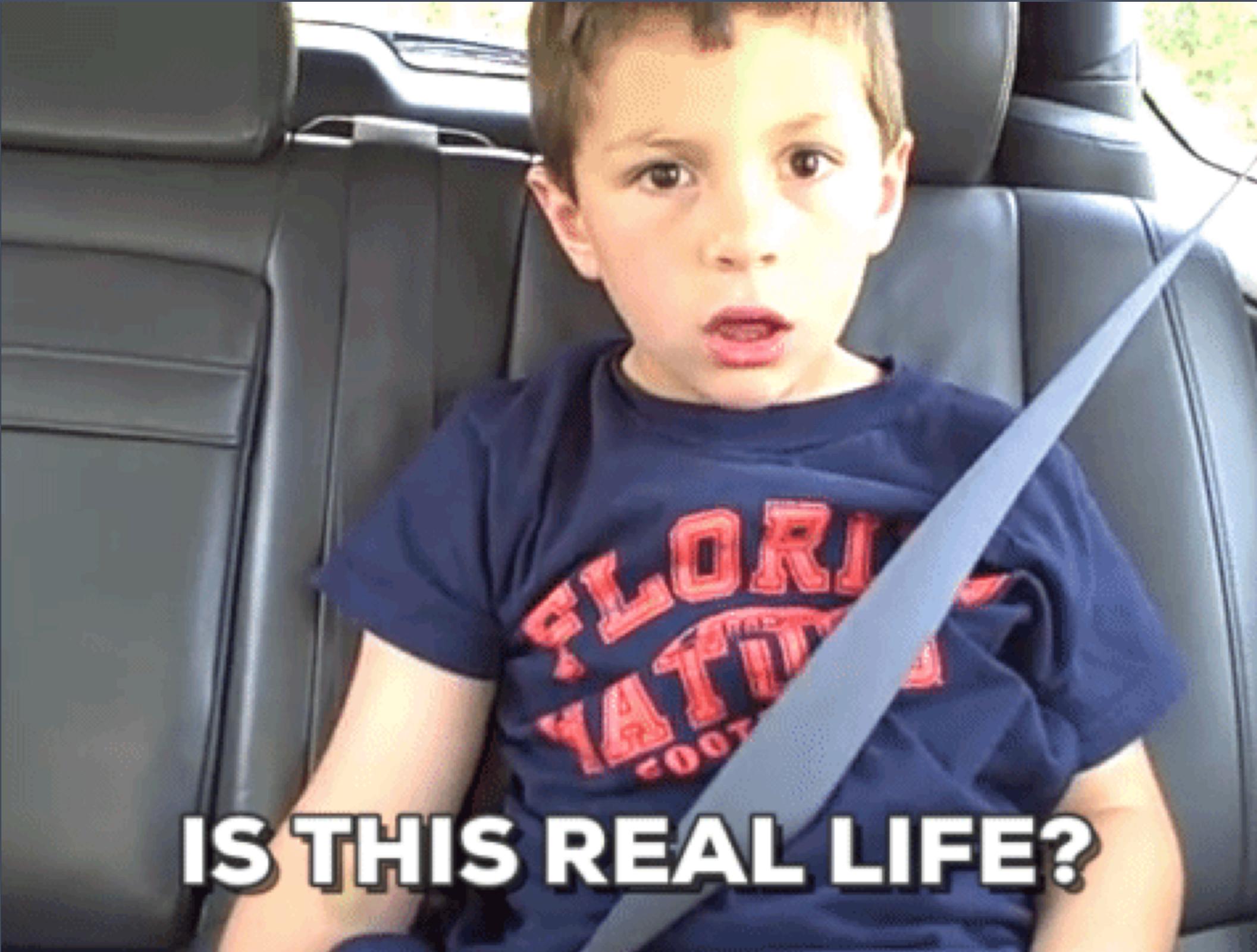
### HTML (Haml)

```
1 .container
2 %h2.sectionHeader Section Header Here!
3
4 .entry.entry--featured ←
5 %img.entry__image(src="http://fillmurray.com/299/299")
6
7 .entry__content
8 %h3.title.title--purple Title Here
9 .title.subtitle Published on 1/12/16
10
11 .entry__body
12 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor
13 incididunt ut labore et dolore magna aliqua.
14
15 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quidem, quis sapiente
16 minima provident, saepe rem voluptates, hic ex reiciendis est dolorum officia quas
17 blanditiis sequi voluptatum cum maiores molestiae architecto.
18
19 %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor
20 incididunt ut labore et dolore magna aliqua.
```

### CSS (SCSS)

```
61 // components/_entries.scss
62 .entry {
63   border: 1px solid $silver;
64   margin-bottom: $gutter * 2;
65   padding: $gutter;
66   clear: both;
67   overflow: auto;
68 }
69
70 .entry--featured {
71   background-color: $silver;
72   border-color: $blue;
73 }
74
75 .entry__image {
76   float: left;
77   max-width: 300px;
78   width: 100%.
```

### JS



**IS THIS REAL LIFE?**

```
////// In the components/ directory //////  
// components/_footer.scss  
.footer {  
  background: $grey--dark;  
  color: $white;  
  padding: $gutter;  
}  
  
.footer__logo {  
  margin: 0 auto $gutter;  
  max-width: rem(150px);  
  
  @include respond-to(medium) {  
    margin-bottom: $gutter;  
  }  
}
```

```
footer.footer{ role: "contentinfo" }  
.l--container.l--container--tight  
.row  
.l--medium--3.l--columns  
.footer__logo  
  = image_tag("cc-logo-white")  
.text-alignCenter  
%ul.inlineList  
  %li.inlineList__item  
    = link_to svg_icon("facebook"), "#", class: "link--knockoutGrey"  
  %li.inlineList__item  
    = link_to svg_icon("twitter"), "#", class: "link--knockoutGrey"  
  %li.inlineList__item  
    = link_to svg_icon("instagram"), "#", class: "link--knockoutGrey"  
  %li.inlineList__item  
    = link_to svg_icon("snapchat"), "#", class: "link--knockoutGrey"  
.l--medium--8.l--columns.l--pullRight  
%ul.inlineList.inlineList--footer  
  %li.inlineList__item  
    = link_to "Careers", "#", class: "altHeading altHeading--xSmall link--knockout"  
  %li.inlineList__item  
    = link_to "SEO Stories", "#", class: "altHeading altHeading--xSmall link--knockout"  
  %li.inlineList__item  
    = link_to "FAQ", "#", class: "altHeading altHeading--xSmall link--knockout"  
  %li.inlineList__item  
    = link_to "Contact", contact_us_pages_path, class: "altHeading altHeading--xSmall link--knockout"  
  %li.inlineList__item  
    = link_to "Privacy & Terms", "#", class: "altHeading altHeading--xSmall link--knockout"  
.row  
.disclaimer  
  &copy; All Rights Reserved 2016
```

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```
////// In the components/ directory ///////
// components/_footer.scss
.footer {
  background: $grey--dark;
  color: $white;
  padding: $gutter;
}

.footer__logo {
  margin: 0 auto $gutter;
  max-width: rem(150px);

  @include respond-to(medium) {
    margin-bottom: $gutter;
  }
}
```

```
%footer.footer{ role: "contentinfo" }
  .l--container.l--container--tight
    .row
      .l--medium--3.l--columns
        .footer__logo
          = image_tag("cc-logo-white")
        .text--alignCenter
          %ul.inlineList
            %li.inlineList__item
              = link_to svg_icon("facebook"), "#", class: "link--knockoutGrey"
            %li.inlineList__item
              = link_to svg_icon("twitter"), "#", class: "link--knockoutGrey"
            %li.inlineList__item
              = link_to svg_icon("instagram"), "#", class: "link--knockoutGrey"
            %li.inlineList__item
              = link_to svg_icon("snapchat"), "#", class: "link--knockoutGrey"
      .l--medium--8.l--columns.l--pullRight
        %ul.inlineList.inlineList--footer
          %li.inlineList__item
            = link_to "Careers", "#", class: "altHeading altHeading--xSmall link--knockout"
          %li.inlineList__item
            = link_to "SEO Stories", "#", class: "altHeading altHeading--xSmall link--knockout"
          %li.inlineList__item
            = link_to "FAQ", "#", class: "altHeading altHeading--xSmall link--knockout"
          %li.inlineList__item
            = link_to "Contact", contact_us_pages_path, class: "altHeading altHeading--xSmall link--knockout"
          %li.inlineList__item
            = link_to "Privacy & Terms", "#", class: "altHeading altHeading--xSmall link--knockout"
    .row
      .disclaimer
        &copy; All Rights Reserved 2016
```

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PRETTY COOL. HUH?

**THANK YOU**

ALY FLUCKEY  
@WTFLUCKEY

