

**DELIGHTFUL
STYLESHETS**

css is HARD

NO ERROR REPORTING

BROWSER COMPATIBILITY

SPECIFICITY

~~IT IS HARD~~

BUT IT DOESN'T HAVE TO BE

THE CASCADE

1. SOURCE ORDER
2. SPECIFICITY
3. IMPORTANCE

 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?

```
▼ 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: pink
}

.paragraph {
 color: blue
}

1. SOURCE ORDER
2. SPECIFICITY
3. IMPORTANCE

IDS
CLASSES
ELEMENTS

Specificity A PEN BY Aly Fluckey

[Save](#)[Fork](#)[Settings](#)[Change View](#)

HTML

```
1 <p>Damage report! Congratulations - you just  
2 destroyed the Enterprise.</p>  
3 <p class="paragraph">Lorem ipsum dolor sit amet,  
4 consectetur adipisicing elit.  
5 <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;  
9 }  
10  
11 p {  
12   color: red;  
13   border-bottom: 1px solid red;  
14 }
```

Damage report! Congratulations - you just destroyed the Enterprise.

Lorem ipsum dolor sit amet, consectetur adipisicing elit.

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

1. SOURCE ORDER
2. SPECIFICITY
3. IMPORTANCE

!IMPORTANT

```
▼ 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;
}
```

!IMPORTANT

OVERIDES ALL SPECIFICITY AND
SOURCE ORDER

DECREASES OUR ABILITY TO WRITE
CLEAN & PREDICTABLE CSS

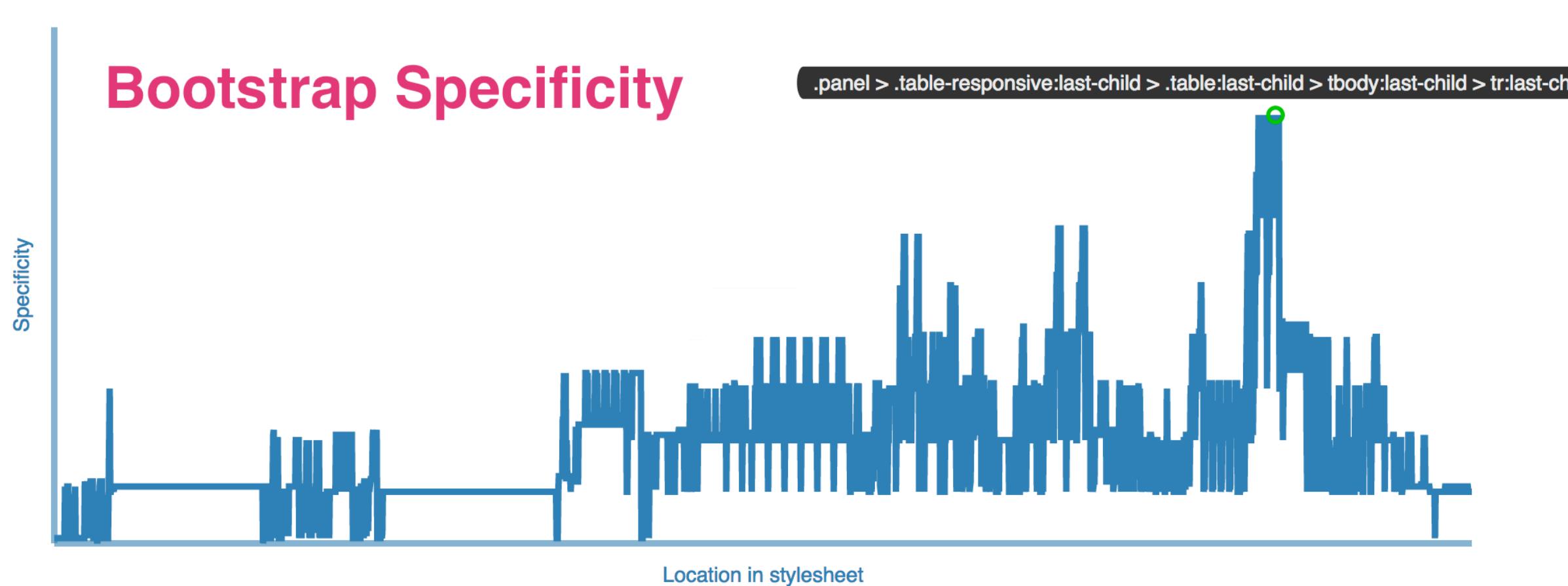
BOOTSTRAP

```
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 }
```

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



SPECIFICITY WARS



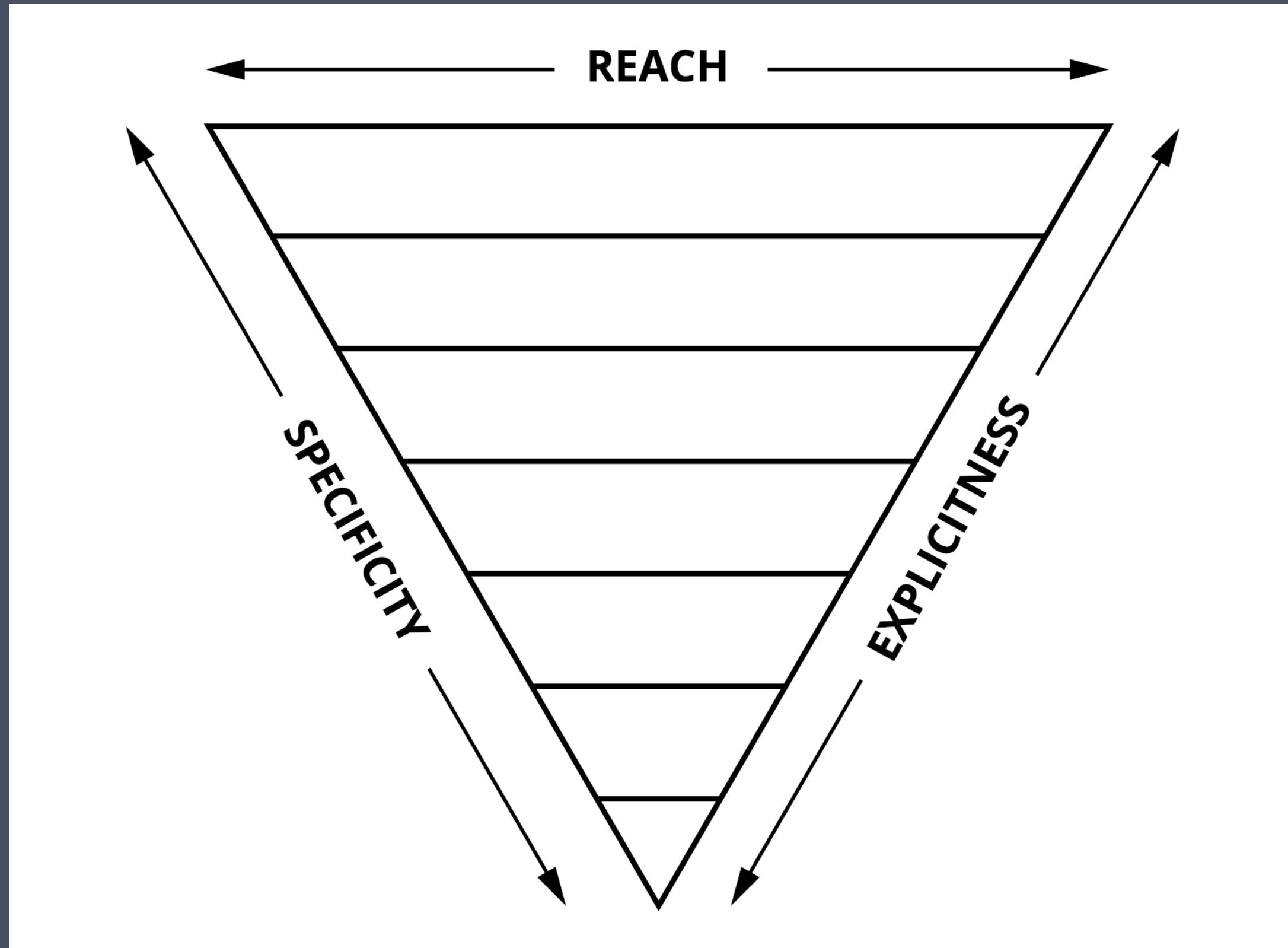
ORGANIZATION &
COMPONENTIZATION

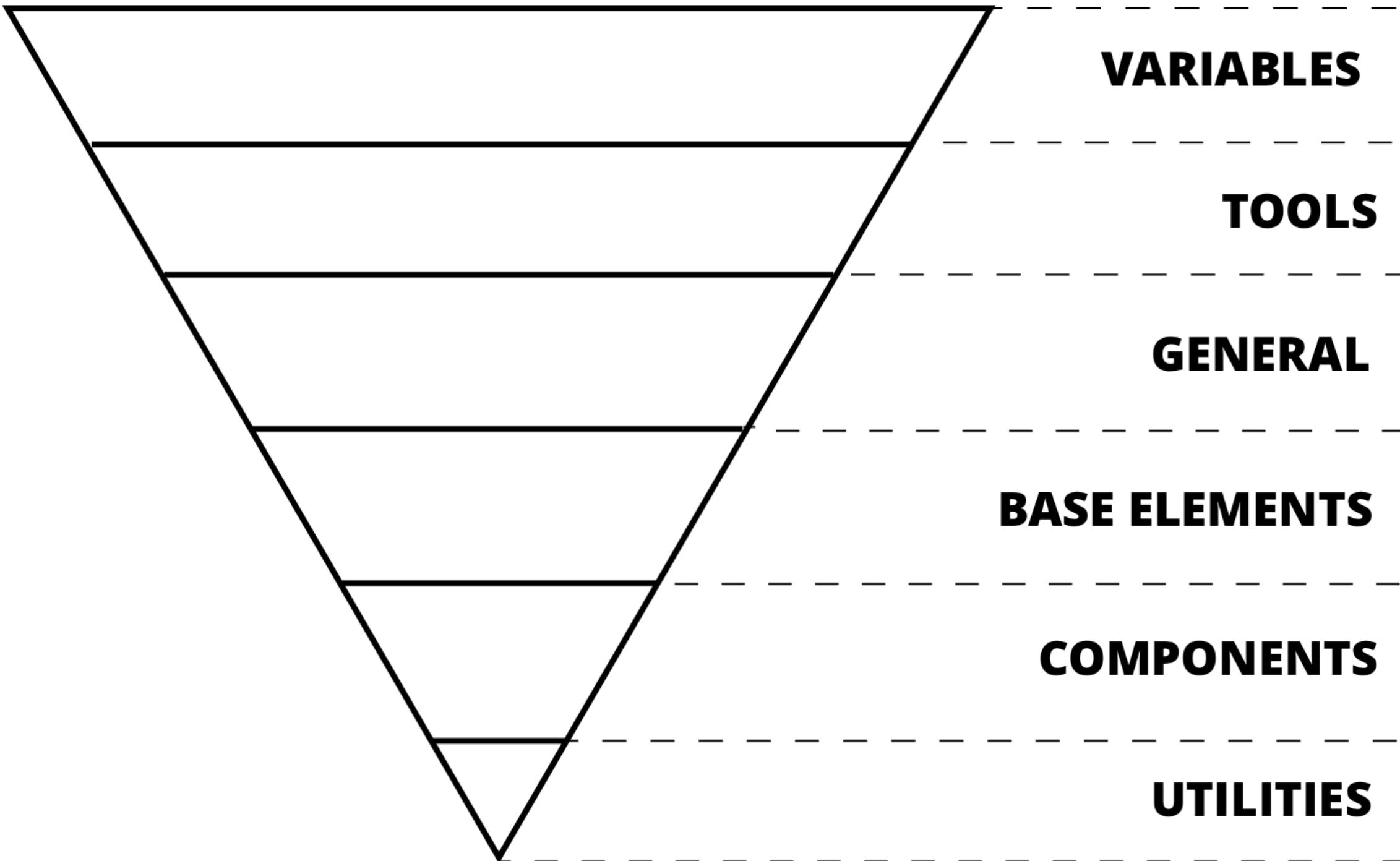
ITCSS

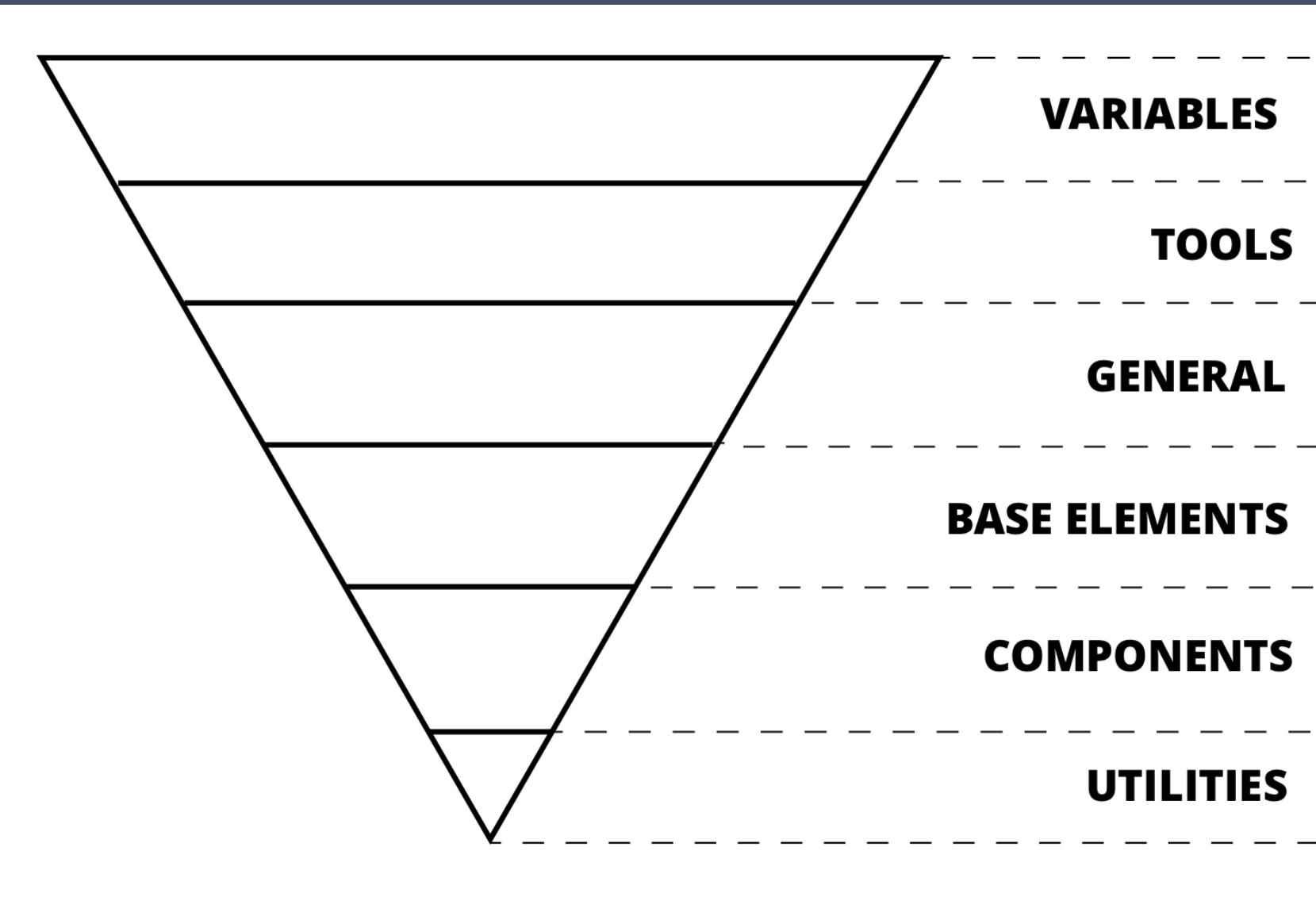
HARRY ROBERTS

INVERTED
TRIANGLE
CSS

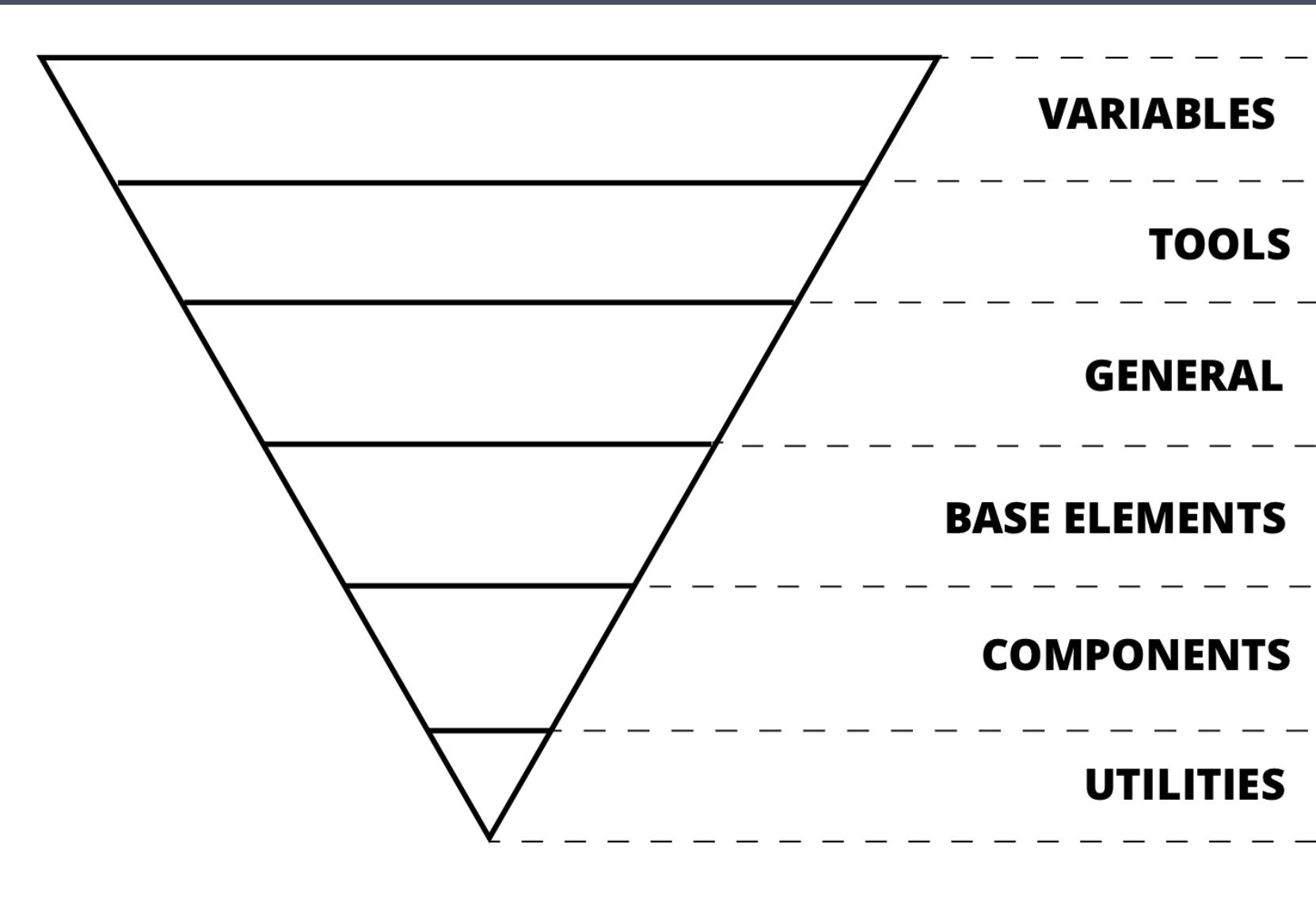
PHILOSOPHY
NOT A
FRAMEWORK



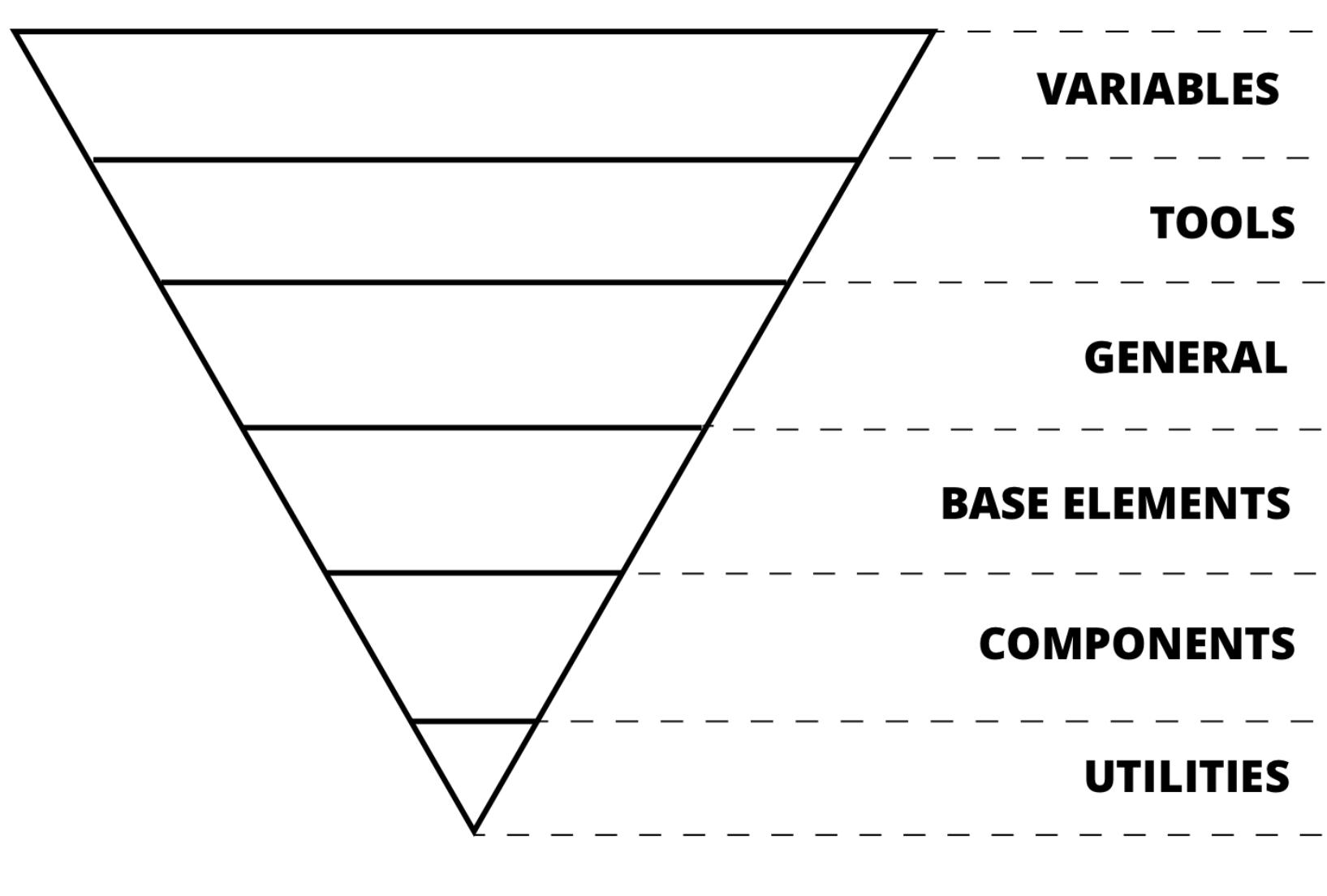




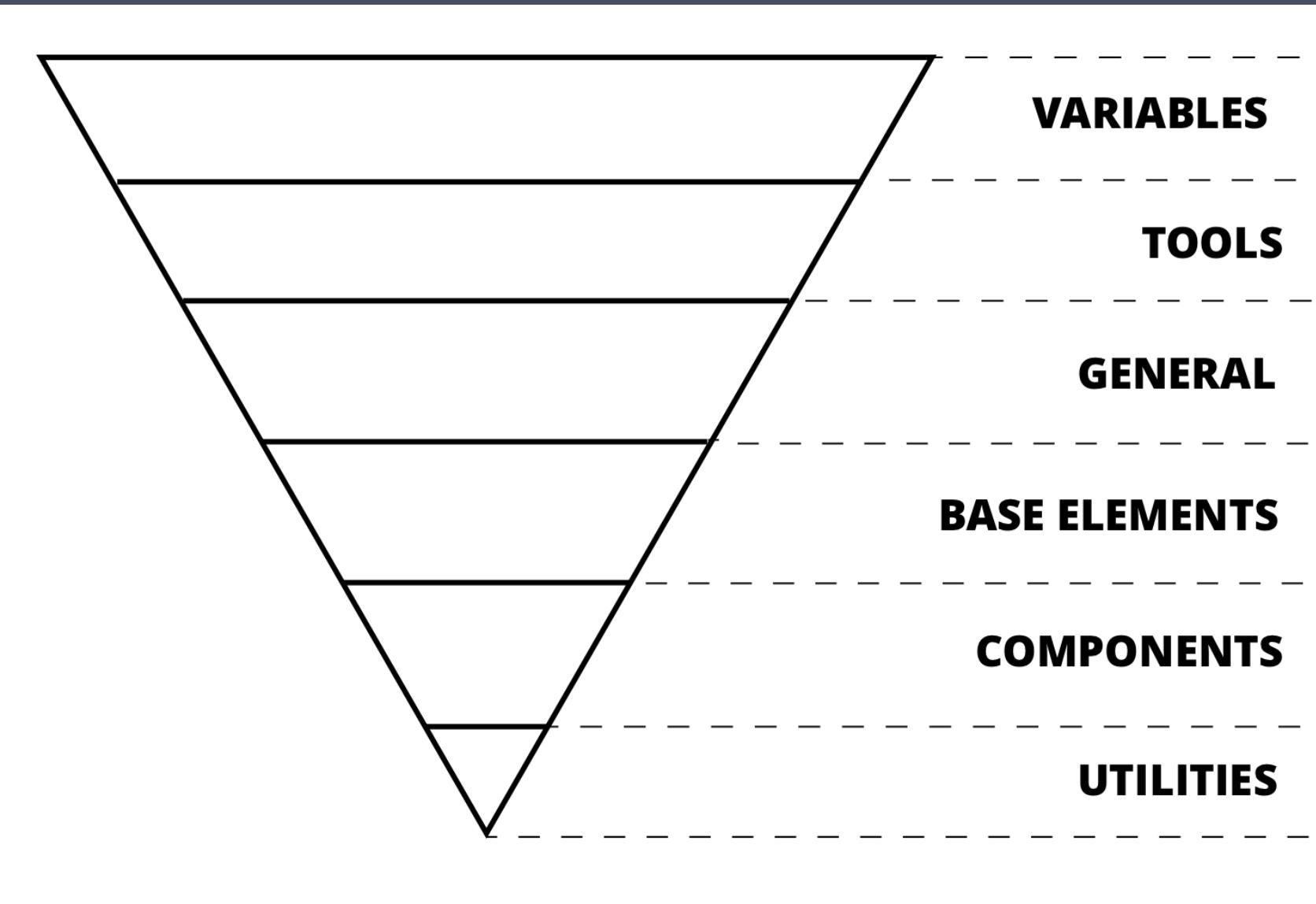
VARIABLES
CONTAIN FONTS.
COLORS.
MEASUREMENTS. ETC



TOOLS
GLOBALLY USED MIXINS
AND FUNCTIONS



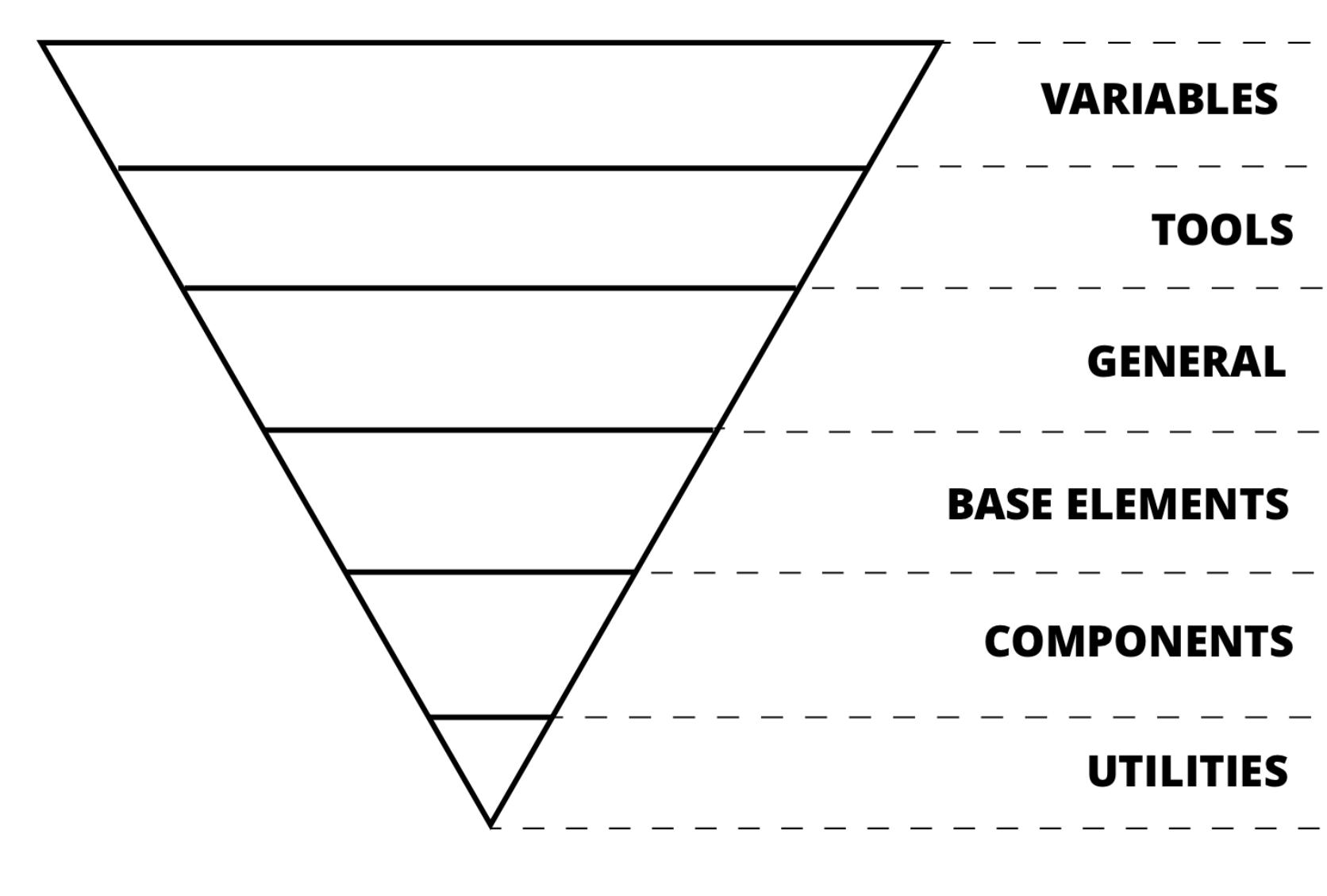
GENERAL
RESET AND/OR
NORMALIZE STYLES.
BOX-SIZING DEFINITION



BASE ELEMENTS

STYLING FOR HTML ELEMENTS

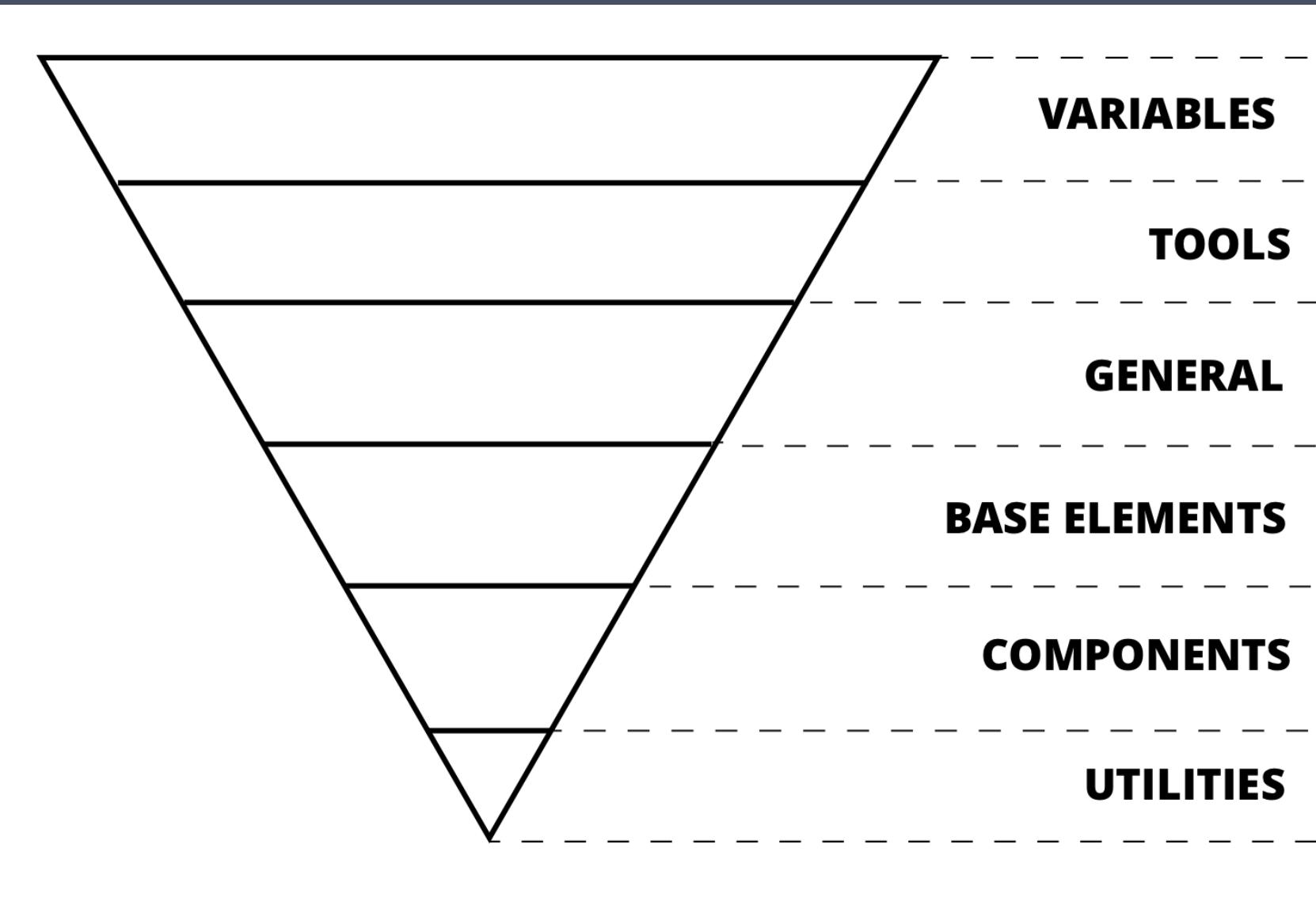
`h1, a, p, input`



COMPONENTS

SPECIFIC COMPONENTS UNIQUE TO THE DESIGN

. panel, . form



UTILITIES
UTILITIES AND HELPER
CLASSES WITH ABILITY
TO OVERRIDE
.is--hidden

```
▼ 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 █
```

WHAT DOES THIS BUY US?

REUSABLE & SCALABLE

REDUCE SPECIFICITY

LESS WASTE. SMALLER FILES

MORE DELIGHTFUL



ORGANIZATION & COMPONENTIZATION

DISCRETE
SELF-CONTAINED
REUSABLE

SECTION HEADER



ARTICLE TITLE

Byline



ARTICLE TITLE

BYLINE



ARTICLE TITLE

BYLINE



FEATURED
ARTICLE

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

```
//////// 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;
}

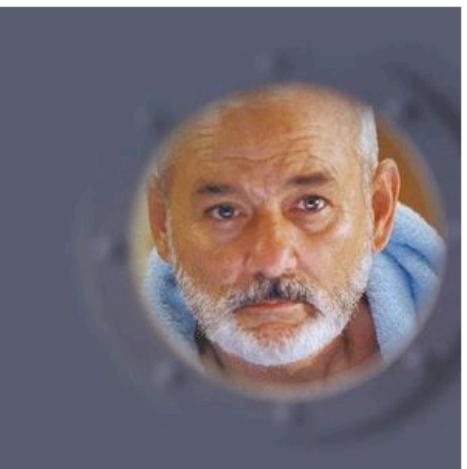
h2 {
  font-size: 2em;
}

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

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



Section Header Here!



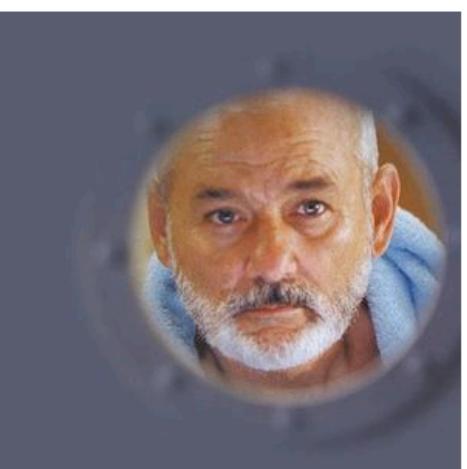
Title Here

Published on 1/12/2017

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Title Here

Published on 1/12/2017

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.
```

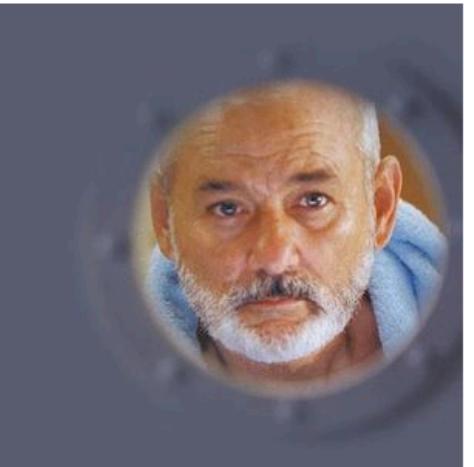
CSS (SCSS)

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

JS



Section Header Here!



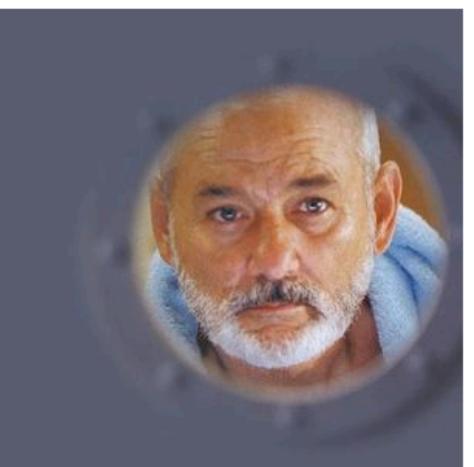
Title Here

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)

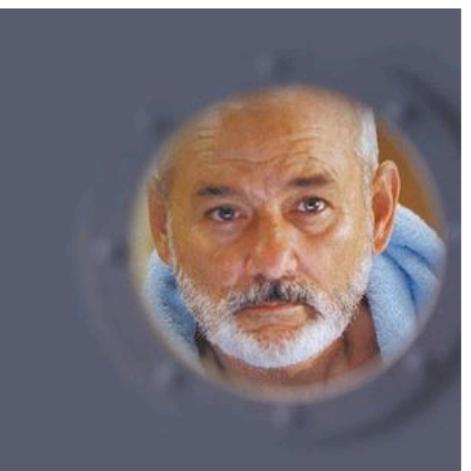
```
41 // In the components/ directory -----
42 // components/_text.scss
43 .sectionHeader {
44   border-bottom: 1px solid $black;
45   margin-bottom: $gutter;
46 }
47
48 .title {
49   font-family: $sansSerif;
50 }
51
52 .title--purple {
53   color: $purple;
54 }
55
56 .subtitle {
57   color: $blue;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

JS

```
////// In the components/ directory //////  
// components/_text.scss  
 .sectionHeader {  
   border-bottom: 1px solid $black;  
   margin-bottom: $gutter;  
 }  
  
.title {  
  font-family: $sansSerif;  
}  
  
.title--purple {  
  color: $purple;  
}  
  
.subtitle {  
  color: $blue;  
  font-size: $fontSize--small;  
}
```



Section Header Here!



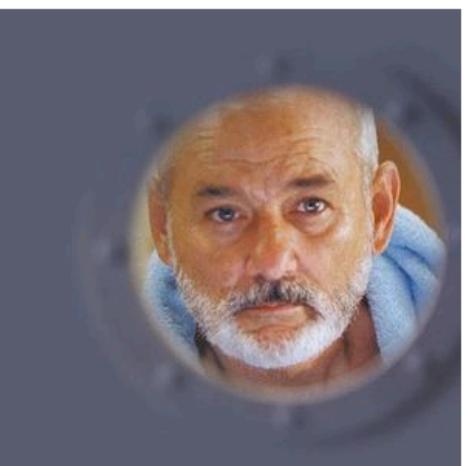
Title Here

Published on 1/12/16

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Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quidem, quis sapiente minima provident, saepe rem voluptates, hic ex reiciendis est dolorum officia quas blanditiis sequi voluptatum cum maiores molestiae architecto.

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Title Here

Published on 1/12/16

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

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

```
- 3.times do
  .entry
    %img.entry__image(src="http://fillmurray.com/300/300")

  .entry__content
    %h3.title.title--purple Title Here
    .title.subtitle Published on 1/12/16

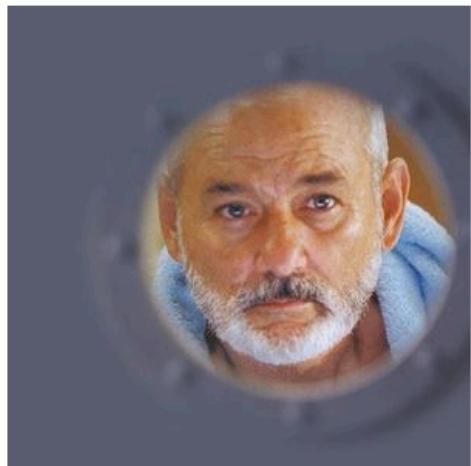
  .entry__body
    %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua.

    %p Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quidem, quis
sapiente minima provident, saepe rem voluptates, hic ex reiciendis est dolorum
officia quas blanditiis sequi voluptatum cum maiores molestiae architecto.

    %p Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua.
```



Section Header Here!



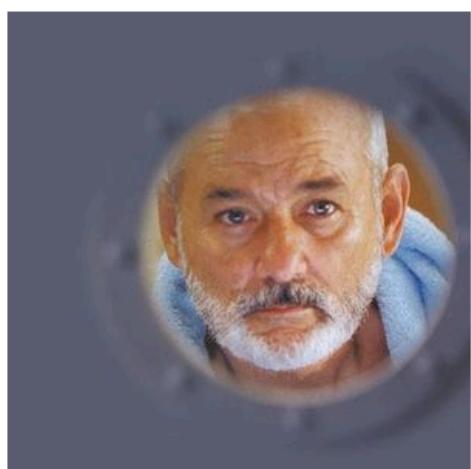
Title Here

Published on 1/12/16

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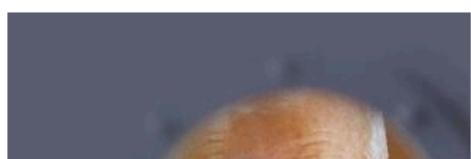
Title Here

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

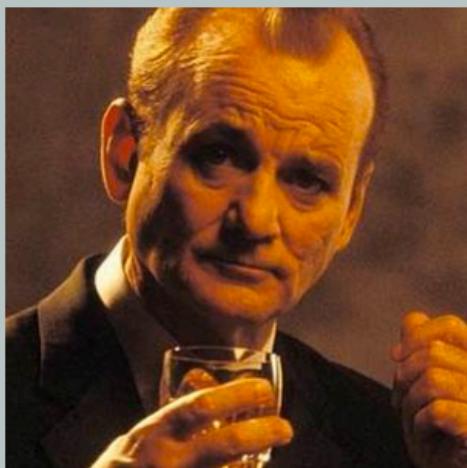
```
// components/_entries.scss
.entry {
    border: 1px solid $silver;
    margin-bottom: $gutter * 2;
    padding: $gutter;
    clear: both;
    overflow: auto;
}

.entry__image {
    float: left;
    max-width: 300px;
    width: 100%;
    height: auto;
}

.entry__content {
    overflow: auto;
    padding: $gutter--half;
}
```



Section Header Here!



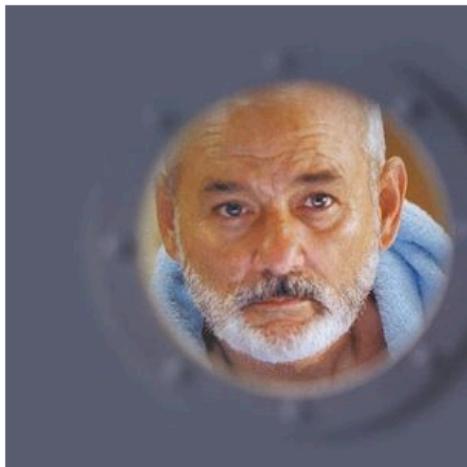
Title Here

Published on 1/12/16

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Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quidem, quis sapiente minima provident, saepe rem voluptates, hic ex reiciendis est dolorum officia quas blanditiis sequi voluptatum cum maiores molestiae architecto.

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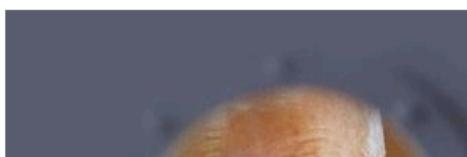
Title Here

Published on 1/12/16

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Title Here

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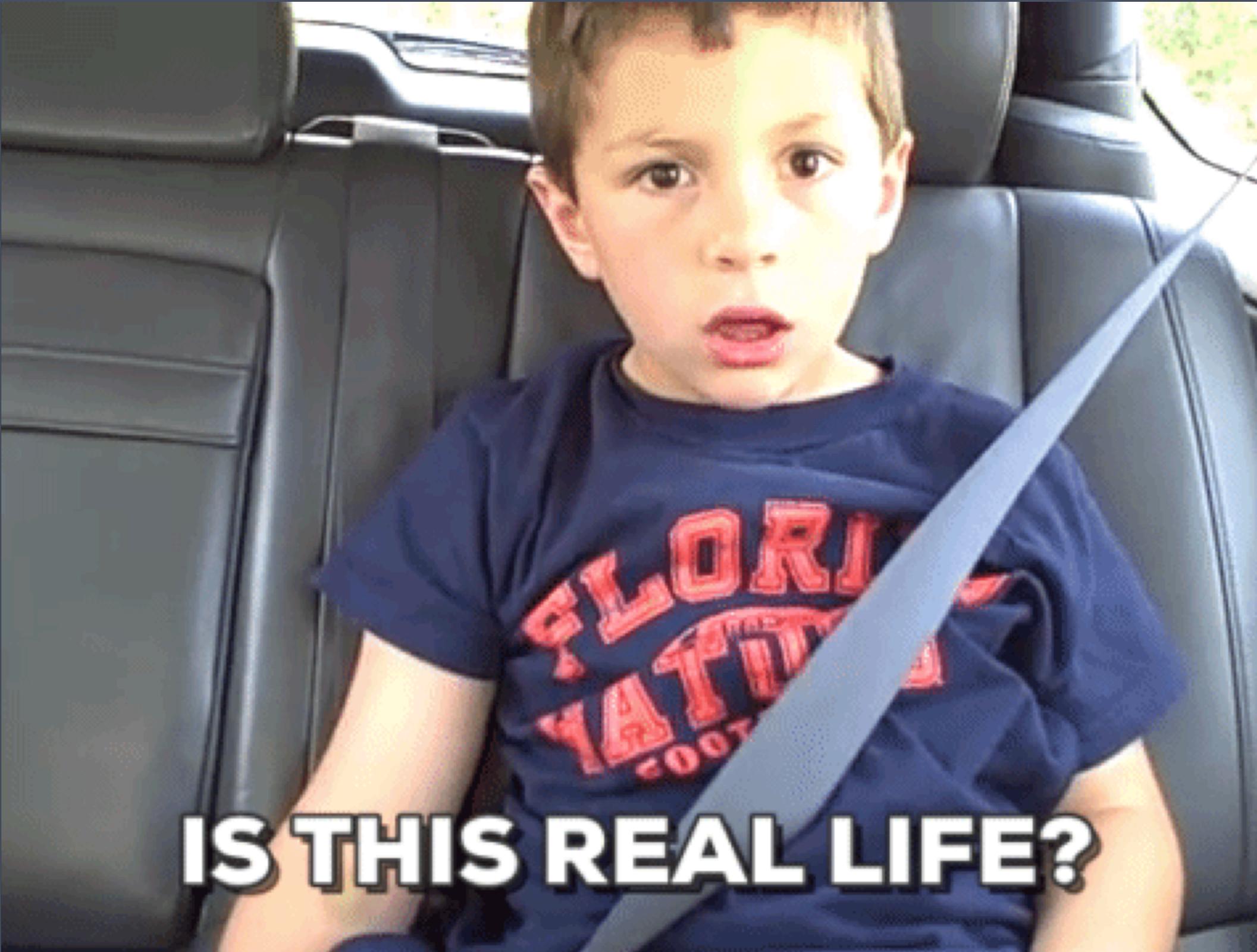
HTML (Haml)

```
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



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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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