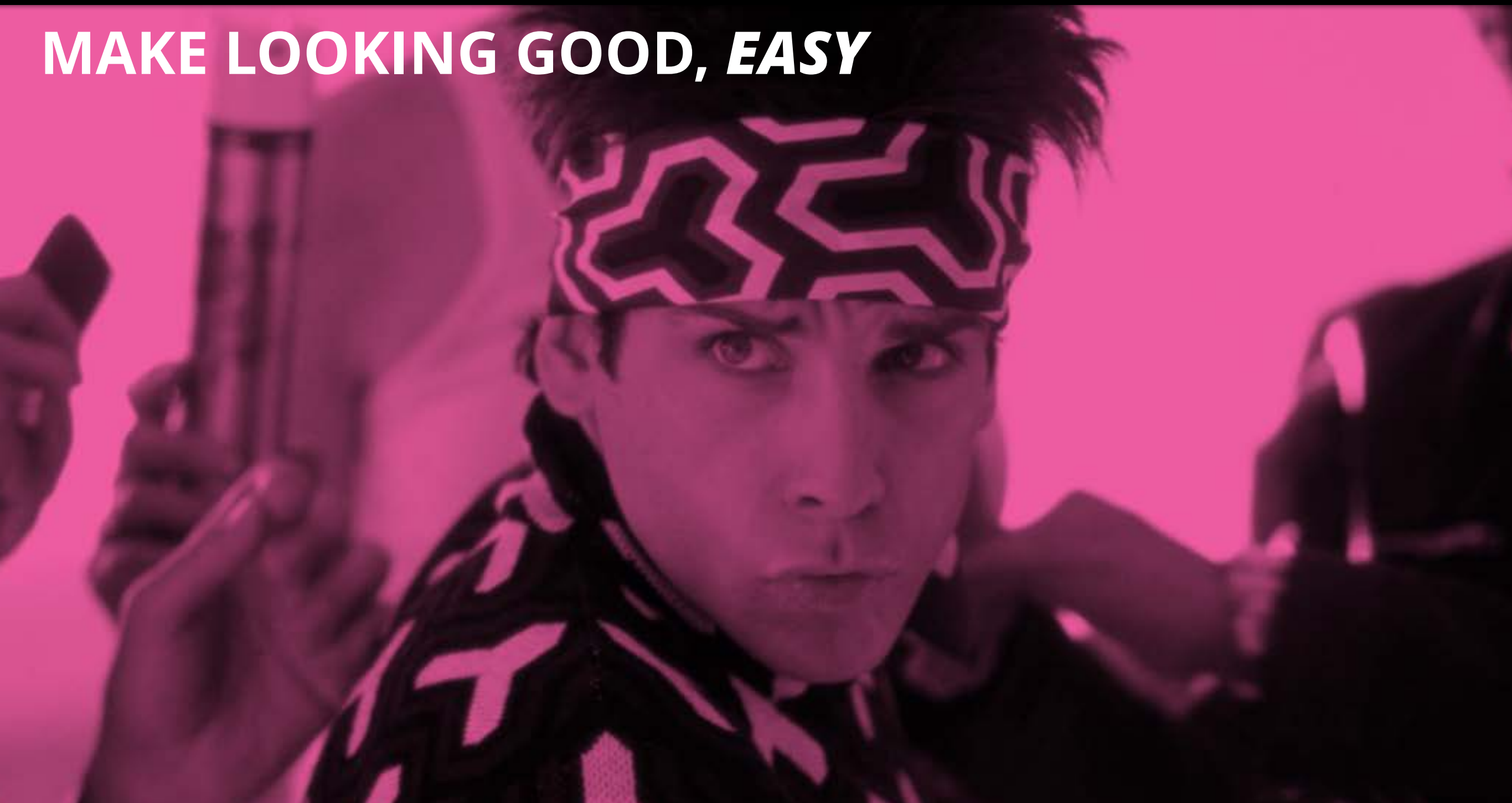


# LIVING STYLEGUIDES

MAKE LOOKING GOOD, *EASY*



*SHANE RUSSELL*

*@SHANEAR*

***DEVELOPER AT THOUGHTWORKS***




A photograph of a large, modern multi-story building, likely a hospital or medical center, with a purple tint overlay. The building has a prominent entrance with columns and a sign on the upper part that reads "KAISER PERMANENTE".

# KAISER PERMANENTE

*rebuilding their patient portal*

*5 single page apps*




**DESIGN  
TEAM**



**DESIGN  
TEAM**

**making  
wonderful,  
usable designs  
and stuff**



# **DESIGN TEAM**

**tools:**

- sketch**
- illustrator**
- photoshop**

**DESIGN  
TEAM**



**mocks**

**tools:**

- sketch**
- illustrator**
- photoshop**

**consistency!**

**DESIGN  
TEAM**



**tools:** styleguide

- sketch
- illustrator
- photoshop

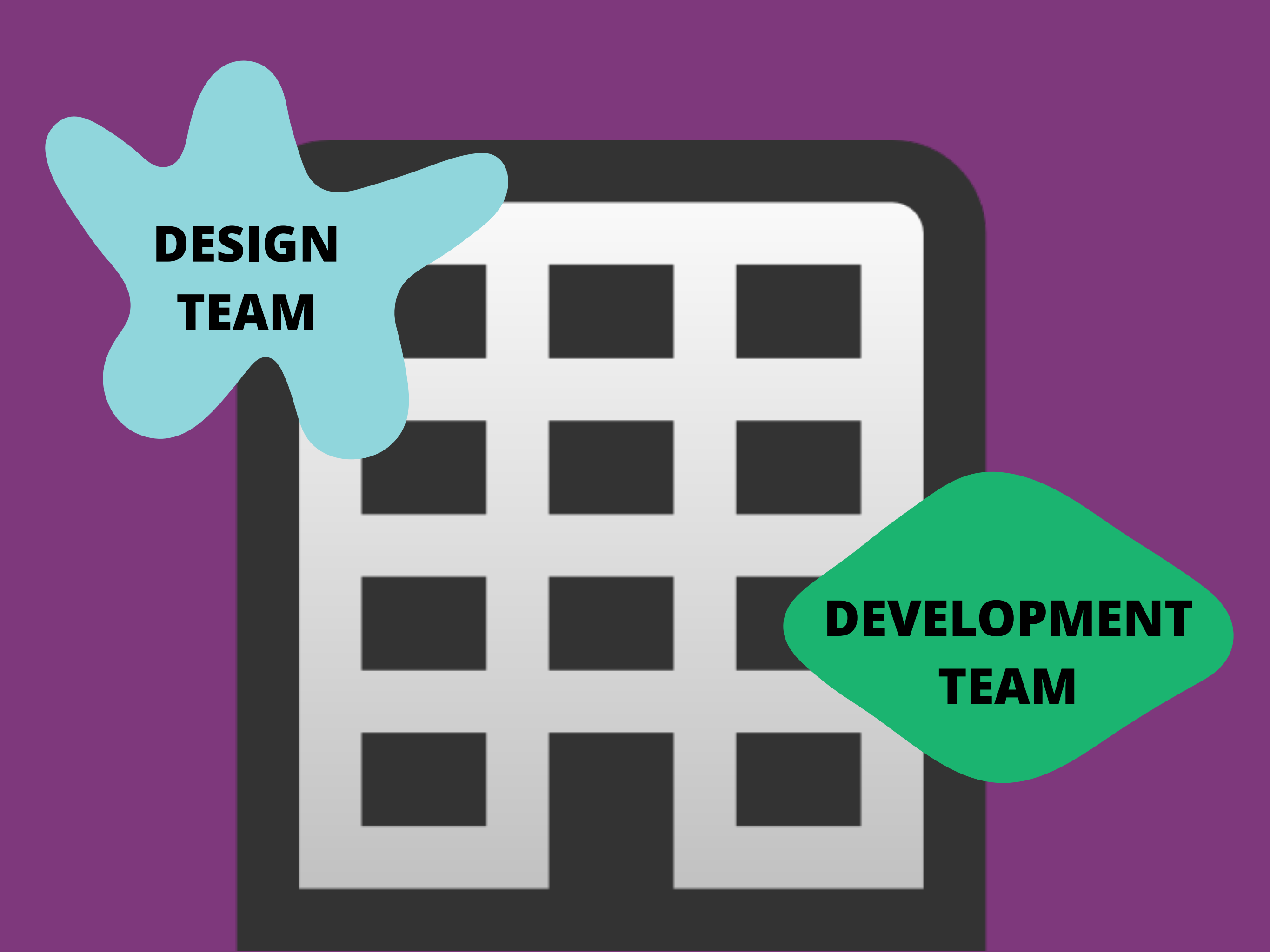




**DESIGN  
TEAM**



**DEVELOPMENT  
TEAM**



**DESIGN  
TEAM**

**DEVELOPMENT  
TEAM**

**DESIGN  
TEAM**



**DEVELOPMENT  
TEAM**



**DESIGN  
TEAM**



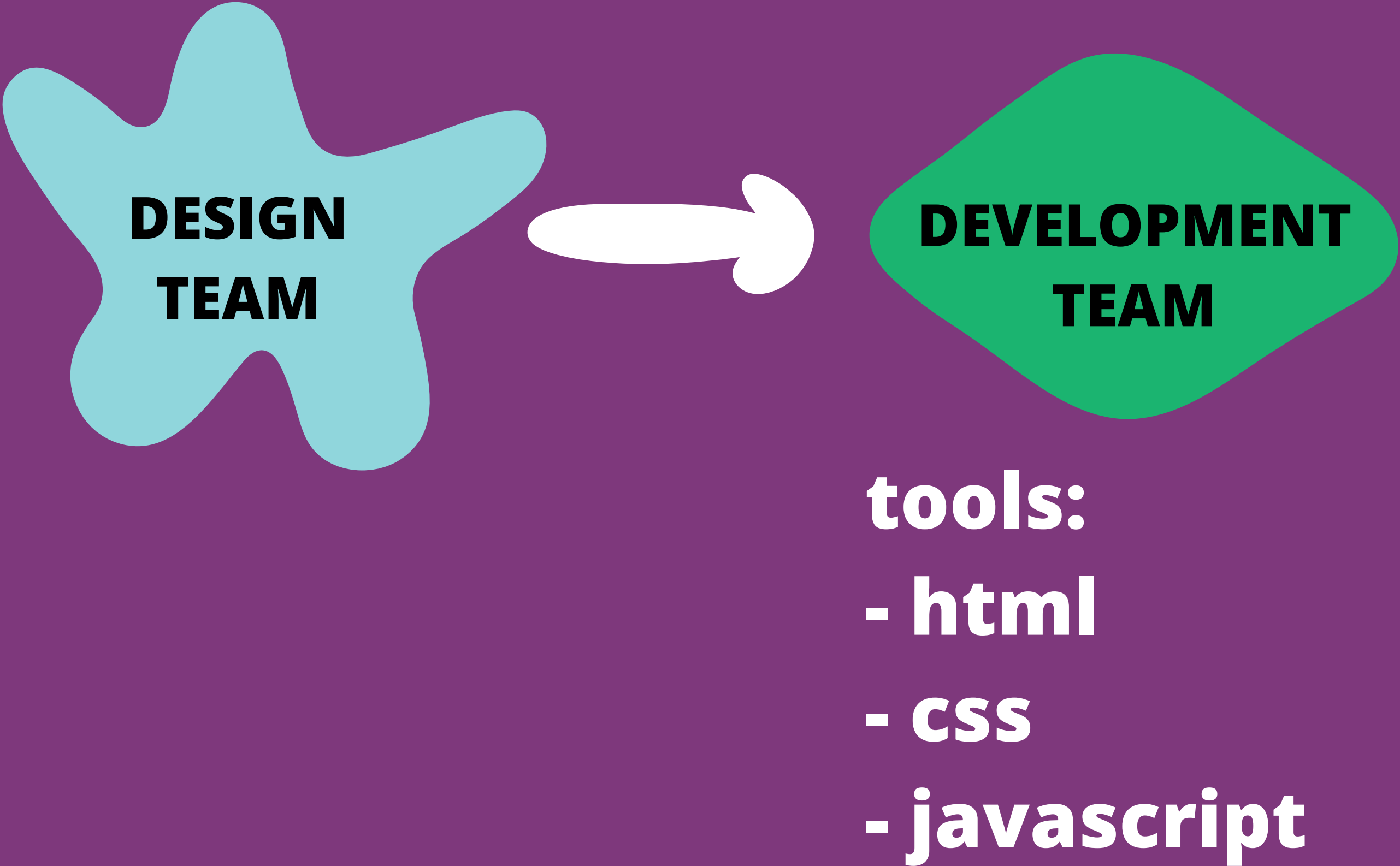
**DEVELOPMENT  
TEAM**



**mocks**



**styleguide**



**DESIGN  
TEAM**


**DEVELOPMENT  
TEAM**

**tools:**

**- html**

**- CSS**

**- javascript**



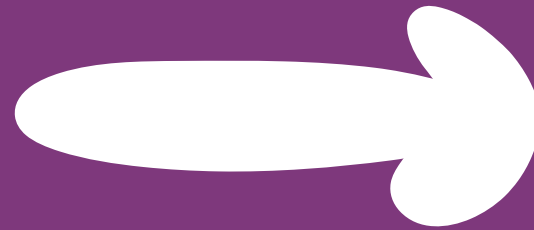
**DESIGN  
TEAM**

The diagram features a purple background. On the left is a light blue, irregular star-like shape representing the Design Team. On the right is a green, rounded diamond shape representing the Development Team. A white arrow points from the Development Team towards the Design Team. Below the arrow, the word 'feedback' is written in white. The text 'DESIGN TEAM' is centered within the blue shape in bold black capital letters.

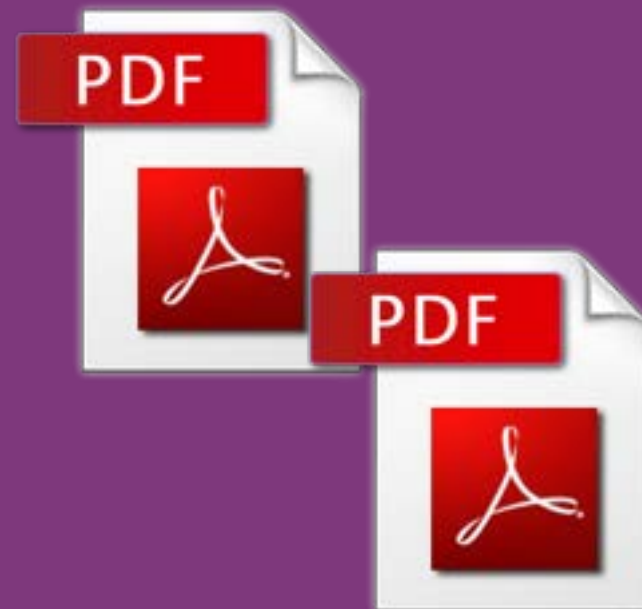
**DEVELOPMENT  
TEAM**

**feedback**

**DESIGN  
TEAM**

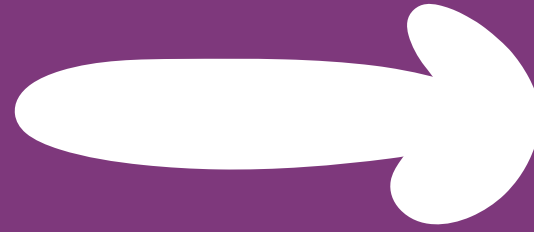


**DEVELOPMENT  
TEAM**



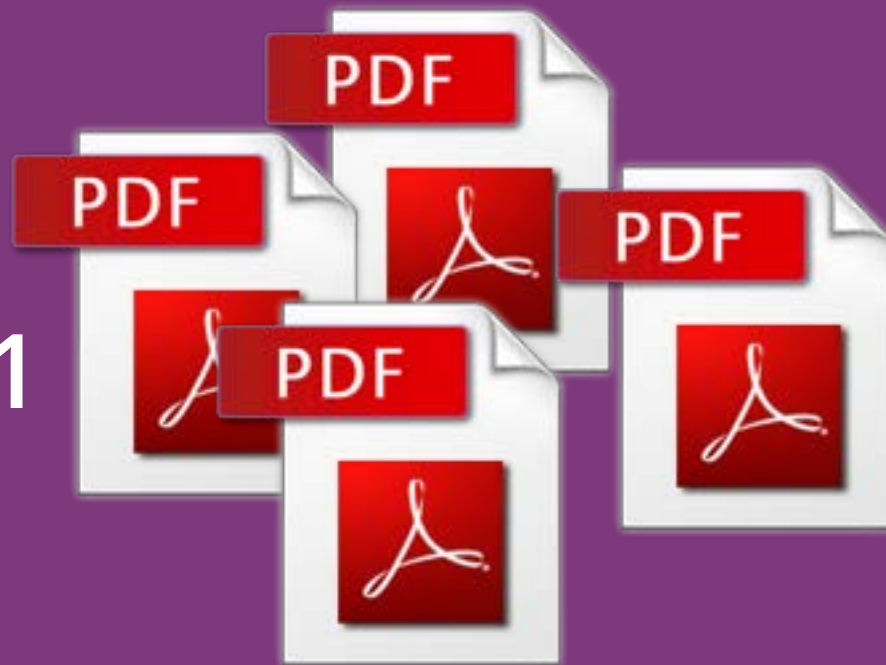
styleguide 1.1

**DESIGN  
TEAM**



**DEVELOPMENT  
TEAM**

styleguide 1.1.1  
(added some  
padding to the  
button)



styleguide 1.1.2  
(actually we don't really  
want all that padding)



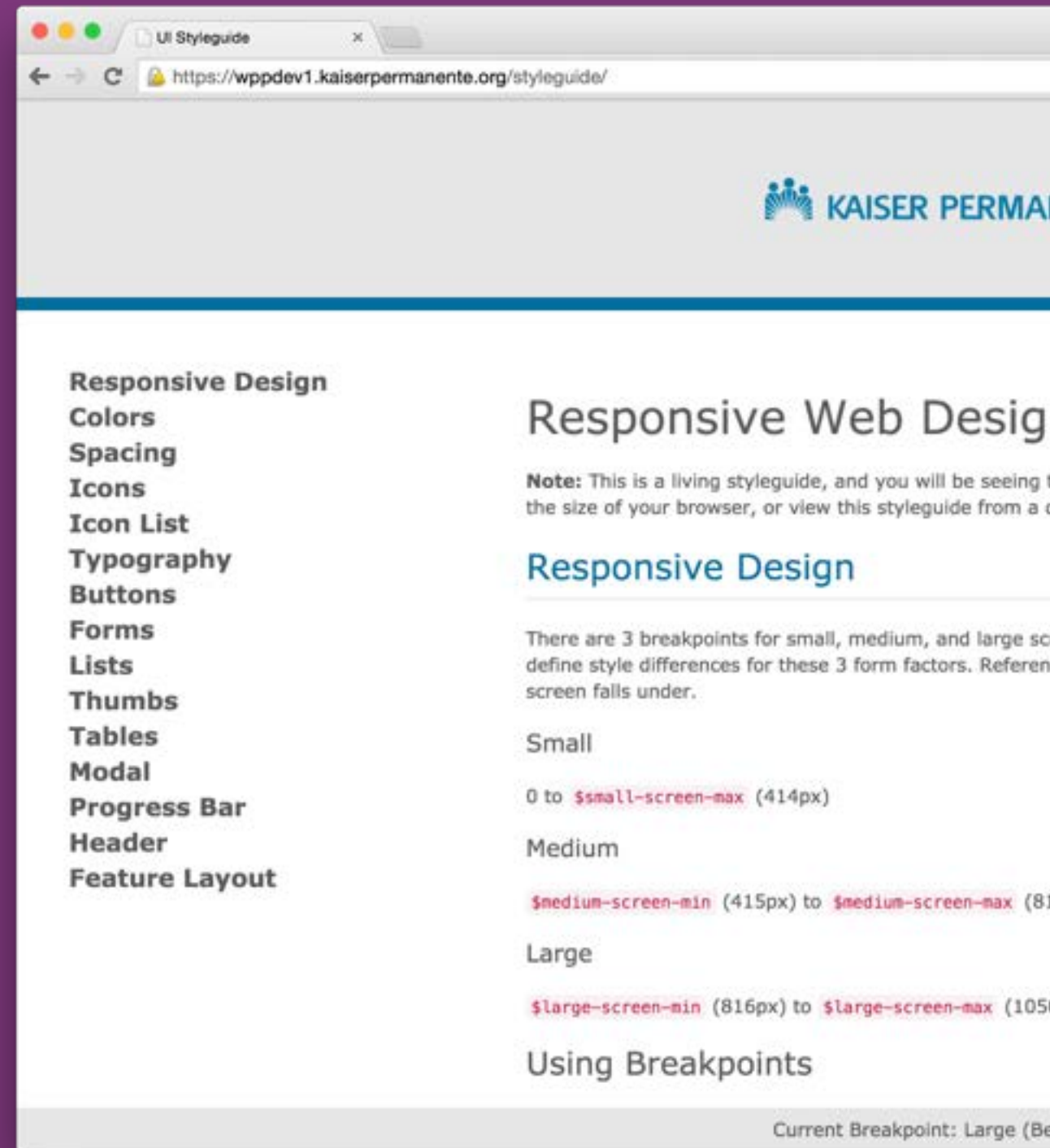
**DESIGN  
TEAM**

**DEVELOPMENT  
TEAM**

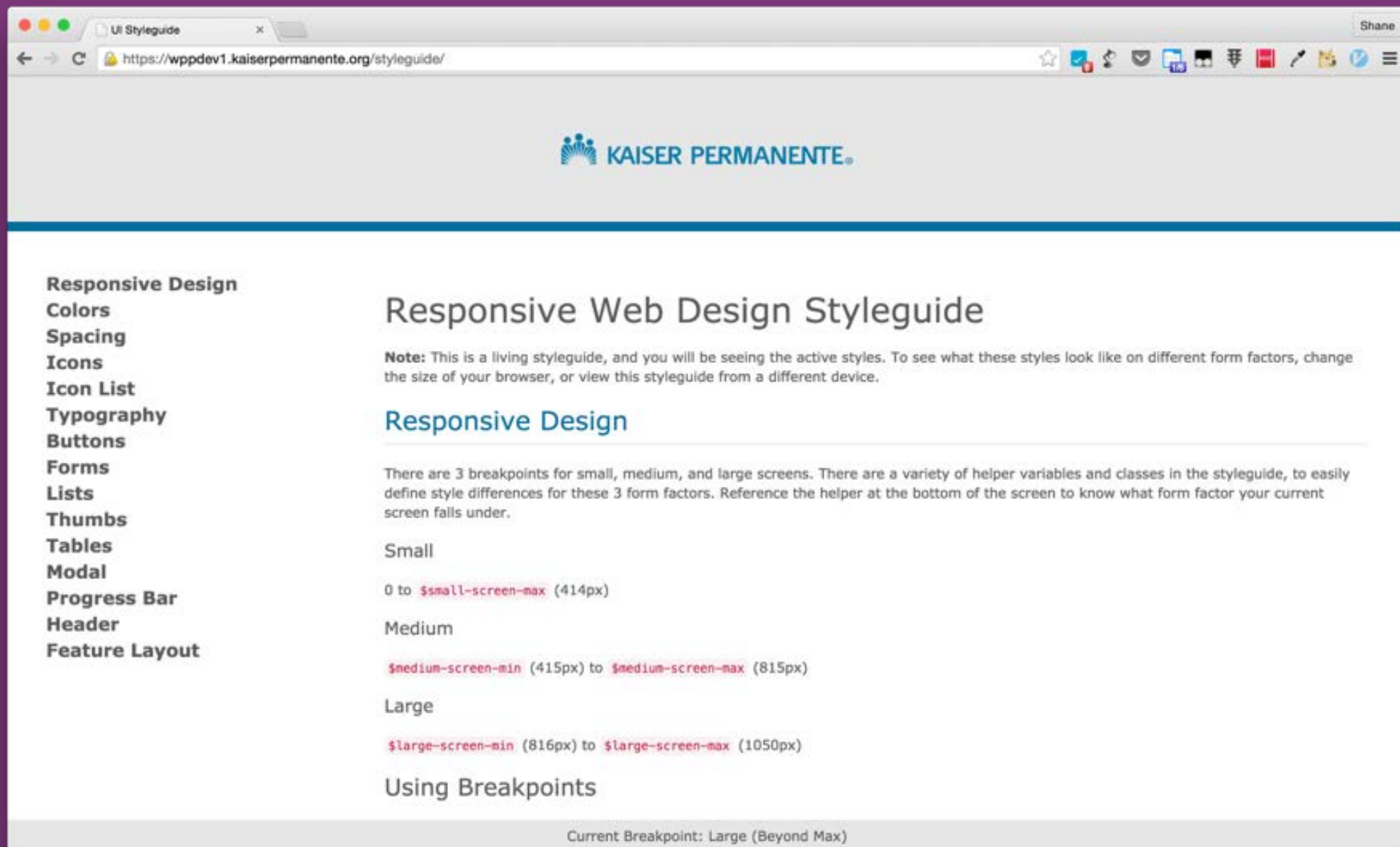
**meanwhile... what about the mocks?**

**so yeah,  
this isn't  
sustainable.**

a **living**  
styleguide  
is a single  
source  
of truth.



# its both a hosted web document

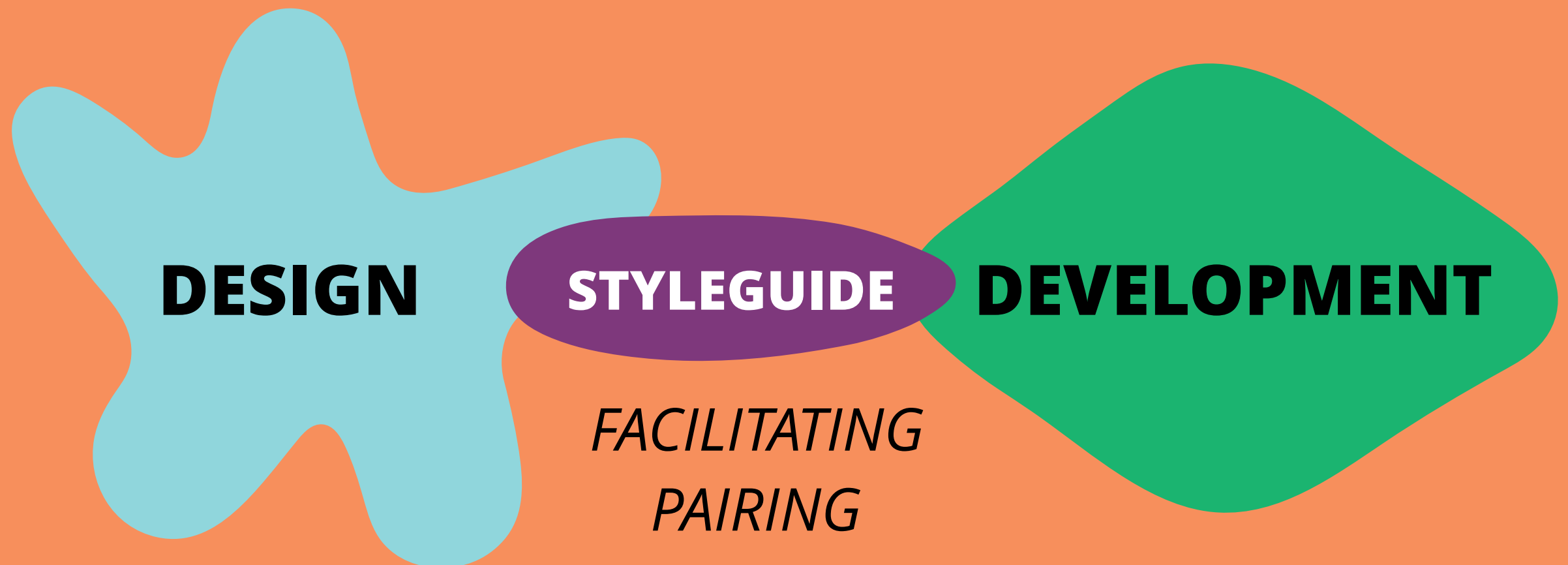


# and a front-end library



**BUT WAIT,  
THERE'S MORE.**

# IT BRINGS TEAMS TOGETHER





# IT BRINGS TEAMS TOGETHER



The diagram consists of three overlapping shapes on an orange background. On the left is a light blue, irregular blob-like shape. On the right is a green, irregular blob-like shape. In the center, overlapping both of these, is a purple oval. The word 'DESIGN' is written in black inside the blue shape, 'DEVELOPMENT' is written in black inside the green shape, and 'STYLEGUIDE' is written in white inside the purple oval.

**DESIGN**

**DEVELOPMENT**

**STYLEGUIDE**





**“Partnership between dev and designers.. YAY!!”**

**- Jen Beasley, Kaiser Designer**

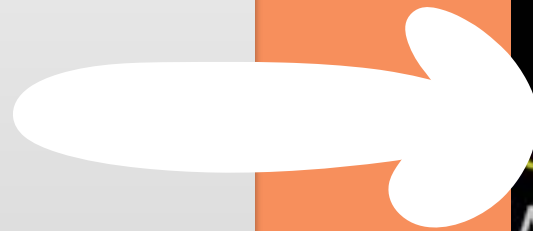
# REAL VERSION CONTROL



styleguide2-2-2015.pdf



styleguide3-7-2015.pdf



```
commit 79dabb0f59eb8236ca179b9abc0998e9e22
Author: Shane Russell <shane1337@gmail.com>
Date:   Fri Jul 10 14:30:57 2015 -0700
```

Tweaks to modal + ANIMATIONS!

```
commit 74529be21db5434b7c354210e6cff5e7fdb
Author: Shane Russell <shane1337@gmail.com>
Date:   Thu Jul 9 17:20:57 2015 -0700
```

Alert adjustments per Jen Beasley

# IT'S CLOSER TO THE REAL THING



Favorite Team

**GOLDEN STATE WARRIORS**




Favorite Team

**GOLDEN STATE WARRIORS**





A man with glasses and a striped shirt is smiling at the camera while sitting at a desk. He is surrounded by multiple computer monitors, some displaying code. The scene is dimly lit with a warm, orange glow. The text "IT MAKES DEVELOPERS' LIVES EASIER" is overlaid in large, white, bold letters.

**IT MAKES  
DEVELOPERS'  
LIVES EASIER**



A person with curly hair is sitting at a desk in an office environment. They are looking down at a laptop. The desk is cluttered with various items including a keyboard, a mouse, a cup, and some papers. In the background, there are multiple computer monitors and other office equipment. The entire image has a warm, orange-brown tint.

**"I \*\*\*\*\* hate  
working with CSS"**

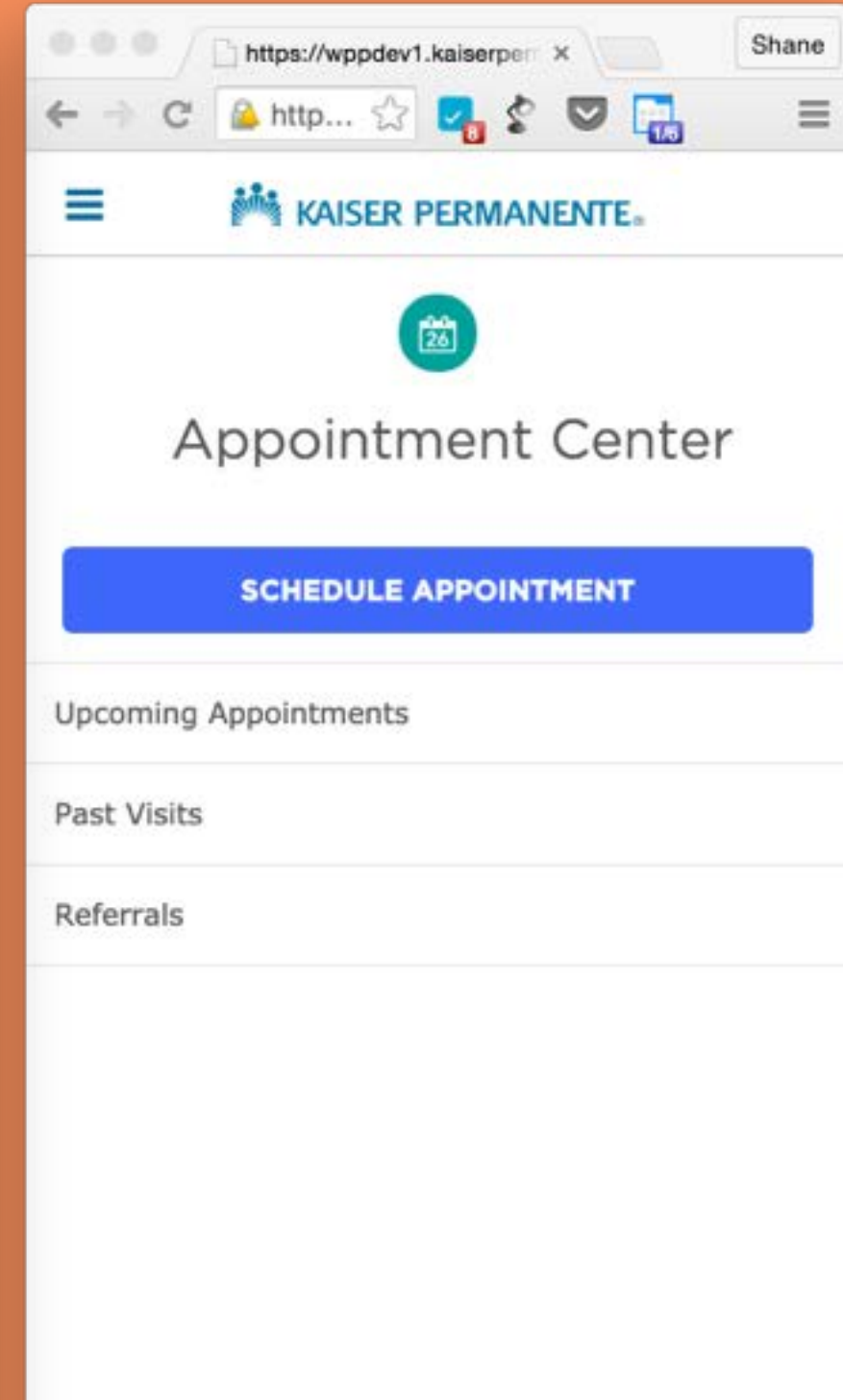
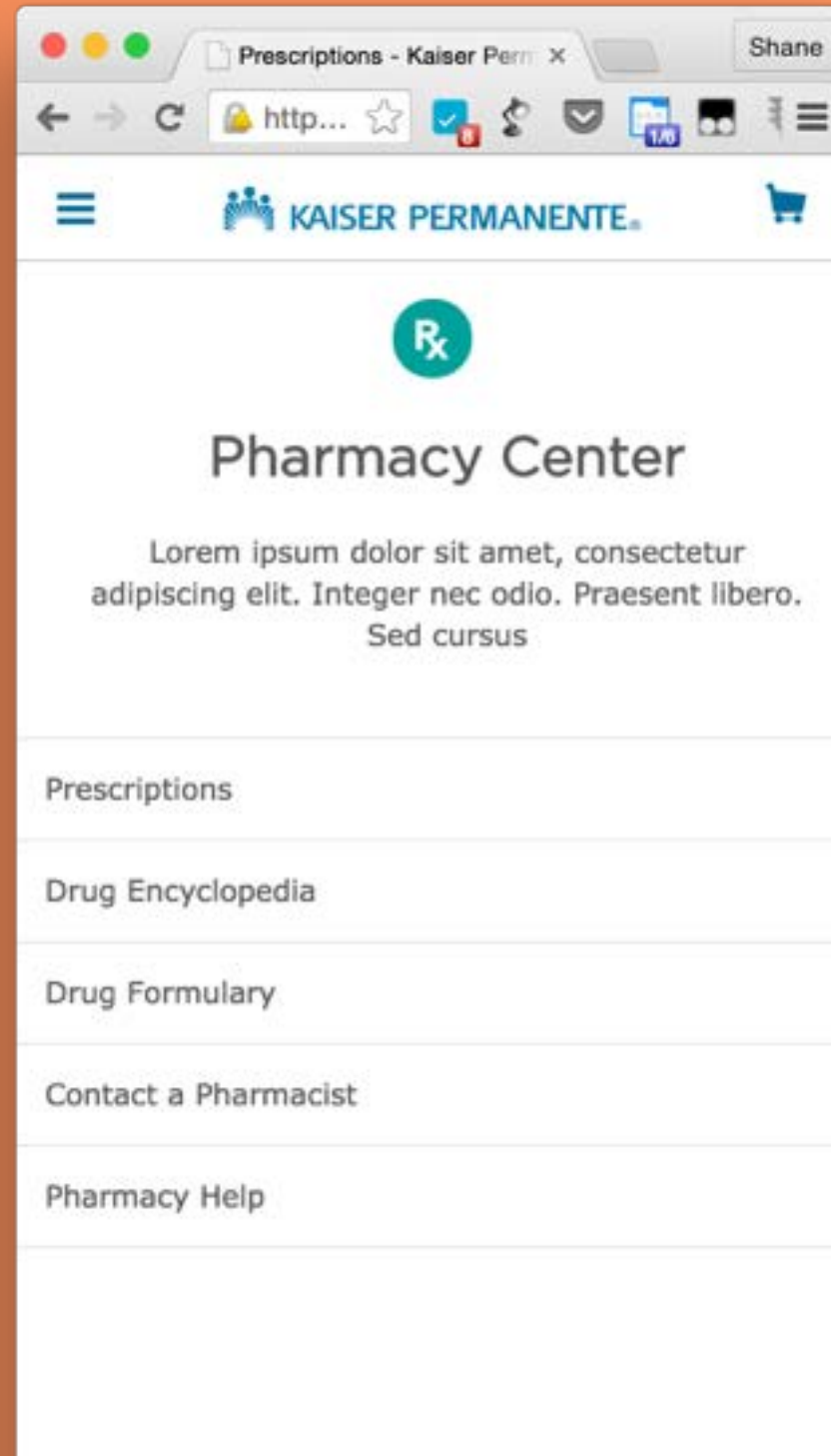
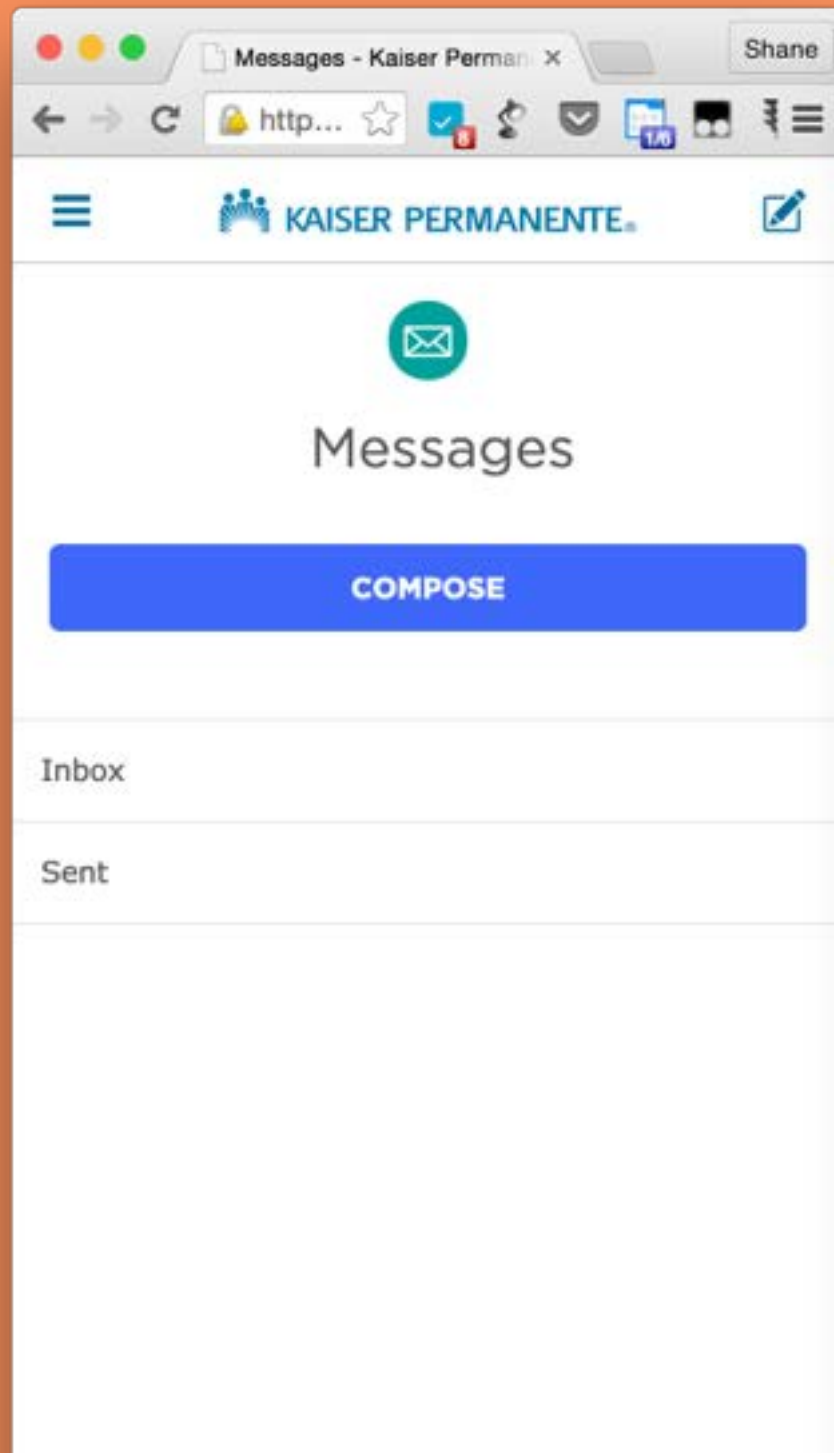
**-some developers on  
my team**

A woman with curly hair is shown from the chest up, holding a microphone. The image is overlaid with a green filter. White text is superimposed on the left side of the image.

**“Make it easier to  
do the right thing  
than do the wrong  
thing”**

**-Nicole Sullivan**

# CONSISTENCY



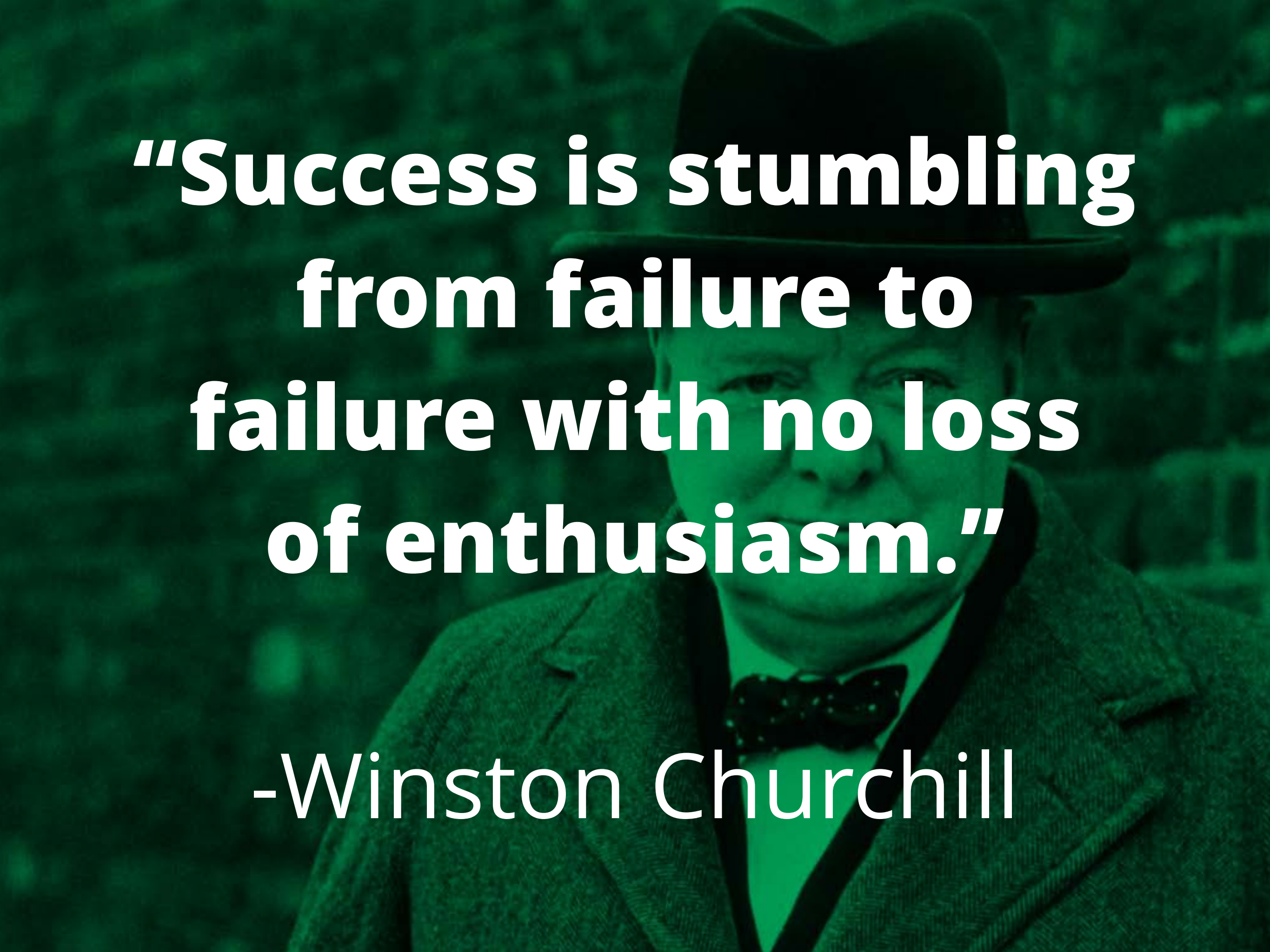
**ALRIGHT,  
LETS DO THIS!**



A photograph of a man with grey hair, wearing a dark suit, white shirt, and patterned tie. He is speaking into a microphone at a podium, with his mouth open and his right hand raised in a gesture. The background is blurred and has a warm, orange-toned lighting. Overlaid on the image in large, white, bold, sans-serif capital letters is the text "NOT SO FAST".

**NOT SO FAST**

**LOTS OF STYLEGUIDE  
ATTEMPTS FAIL**

A portrait of Winston Churchill, wearing his signature bowler hat and a patterned bow tie, set against a green-tinted background. The image is used as a backdrop for the quote.

**“Success is stumbling  
from failure to  
failure with no loss  
of enthusiasm.”**

**-Winston Churchill**





*Low*

**JAVASCRIPT?**

A woman with dark hair, wearing a dark hoodie over a light-colored shirt, is looking directly at the camera. The background is an office environment with a desk, a chair, and some papers on the wall. The entire image has a strong green tint.

*Low*

**WE WERE SLOPPY**

# THE MARKUP IS THE API

Name City		
<input type="checkbox"/>	Shane Russell	San Francisco, CA

```
<table class="table">
  <tbody><tr class="section-heading">
    <th></th>
    <th>Name</th>
    <th>City</th>
  </tr>
  <tr>
    <td><input type="checkbox"></td>
    <td>Shane Russell</td>
    <td>San Francisco, CA</td>
  </tr>
</tbody></table>
```

markup

**THE DIFFERENCE  
BETWEEN `<button>`  
AND `<a>` *MATTERS***

**PICK AN  
ORGANIZATION  
METHOD**

(and stick to it)



# CLASSIC BEM

(branch, element, modifier)

```
<div class="modal">  
  <div class="modal__body">  
    Press the button.  
    <button class="button button--large">  
      Press me.  
    </button>  
  </div>  
</div>
```

# MODIFIED BEM

(brought to you 18F)

```
<div class="modal">  
  <div class="modal-body">  
    Press the button.  
    <button class="button button-large">  
      Press me.  
    </button>  
  </div>  
</div>
```

# MODIFIED BEM

```
<button class="button button-large button-inverted">  
</button>
```

# EVEN MORE MODIFIED BEM

```
<button class="button -large -inverted">  
</button>
```

```
.button {  
  // ...  
  &.-large {  
    font-size: $large-font;  
  }  
  
  &.-inverted {  
    background-color: $kp-blue;  
    color: $white;  
  }  
}
```

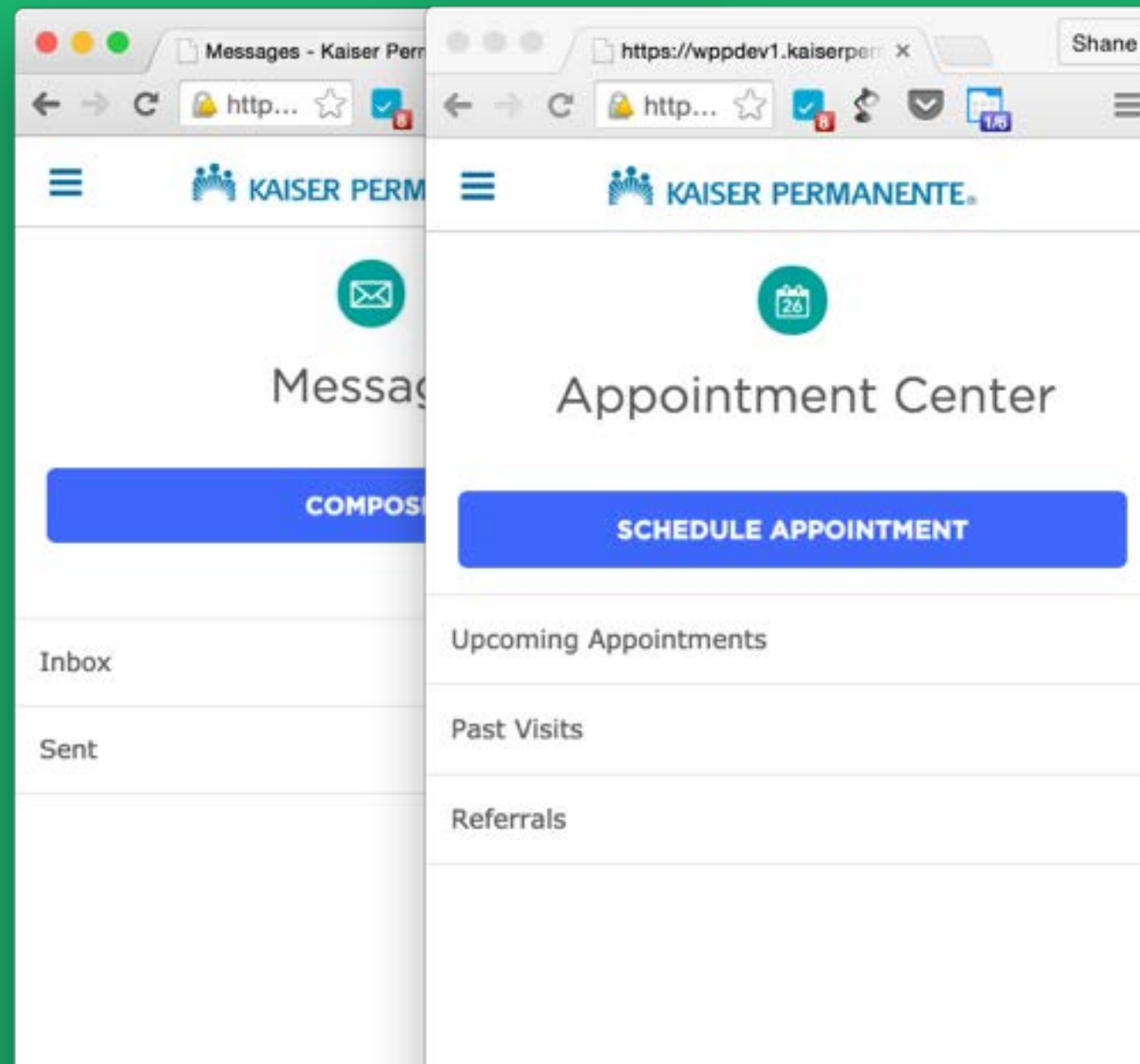
# MINIMIZE STYLING BASE TAGS

`_base.scss`

```
@import "normalize";  
  
//keep this to a minimum  
p {  
  margin-bottom: $medium-spacing;  
}
```

<https://necolas.github.io/normalize.css/>

# THE BUTTERFLY EFFECT



A man with glasses and a striped shirt is looking down. The image has a green overlay. In the background, there is a whiteboard with handwritten notes. The text 'Low' is written in a white, italicized font on a black rectangular background.

*Low*

**NOONE FEELS  
COMFORTABLE  
CHANGING IT**



A photograph of two men, likely from the movie 'The Wolf of Wall Street', with a strong pink color overlay. The man on the left has dark hair and is holding a glass. The man on the right has blonde, wavy hair and visible tattoos on his arms. The text 'so...?' is centered in white.

**so...?**





*High*

**WE USED SASS**



**VARIABLES,  
SO HOT RIGHT NOW**

# FOR COLORS

## Primary Colors



`$kp-blue`  
`#06d9d`



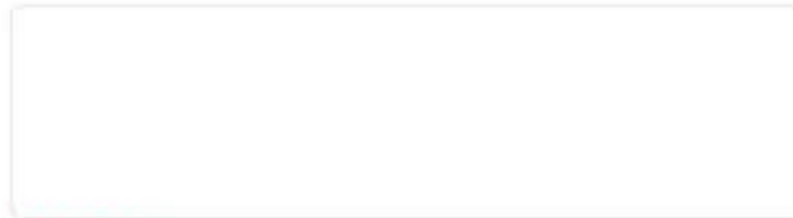
`$dark-grey`  
`#595959`



`$mid-grey`  
`#999999`



`$light-grey`  
`#e6e6e6`



`$white`  
`#ffffff`



`$interactive-blue`  
`#3e67fa`

# FOR COLORS

```
$link-color: $interactive-blue;  
$hover-link-color: $kp-blue;
```

# AND BREAKPOINTS

SCSS

```
.responsive-example {  
  font-size: 12px;  
  color: $light-grey;  
  
  @include media($medium-screen) {  
    font-size: 20px;  
    color: $dark-grey;  
  }  
  
  @include media($large-screen) {  
    font-size: 32px;  
    color: $deep-blue;  
  }  
}
```

# AND FONTS

Mini Font

Small Font

Base Font

`$mini-font`

`$small-font`

`$base-font`

Medium Font

Large Font

Extra Large

`$medium-font`

`$large-font`

`$extra-large-font`



# AND SPACING

`$medium-spacing` represents the margin along the sides of the page. That's why the variable `$gutter-spacing` can also be used to reference this spacing value.

`$large-spacing` is often used for vertical space between two elements on a page, such as an h2 and the content beneath it.

It's also used to separate paragraphs from each other.

That's why you can also use the variable `$paragraph-spacing`.

```
.inbox-message {  
  // bad. this number was  
  // pulled out of your butt.  
  padding: 10px;  
}
```

```
.inbox-message {  
  // better. A designer approved  
  // gutter spacing amount!  
  padding: $gutter-spacing;  
}
```





Bourbon



Bourbon

NEAT

# GRID SYSTEM: BOOTSTRAP STYLE (192 col classes)

```
<div class="row">  
  <div class="col-xs-12 col-sm-6 col-md-4">  
  </div>  
  <div class="col-xs-12 col-sm-6 col-md-4">  
  </div>  
  <div class="col-xs-12 col-sm-6 col-md-4">  
  </div>  
</div>
```



Bourbon  
NEAT

```
<div class="row -three-columns">  
  <div class="row-column">  
  </div>  
  <div class="row-column">  
  </div>  
  <div class="row-column">  
  </div>  
</div>
```



Bourbon



Bourbon

NEAT

- MIXINS**
- ABSTRACT CLASSES**
- VARIABLES**

**SASS KEEPS YOUR  
CSS LEAN**



A man with dark hair and a wide-eyed, open-mouthed expression of surprise or excitement is looking towards the camera. He is sitting at a desk with multiple computer monitors. The main monitor behind him displays a code editor with lines of text. To his left, another monitor shows a web browser. On the desk, there is a keyboard, a mouse, a water bottle, and a box labeled 'Triscuit'. The background wall is covered with various papers and sketches. The entire image has a strong green color cast.

*High*

**WE WERE  
OPPORTUNISTS**



**REDESIGNS**

**ARE THE**

**PERFECT TIME**

A man in a dark suit and tie stands in an office setting, pointing his right hand towards a sign on an easel. The sign features the Hershey's logo and text about milk chocolate. The entire image has a green tint.

# **SELL IT!**

- LUNCH AND LEARNS**

- GARNISH FEEDBACK**

- GET EXCITED ABOUT IT**

A man with dark hair, wearing a light-colored striped button-down shirt, is sitting at a desk in a home office. He is smiling and looking towards the camera. His hands are on a laptop keyboard. The desk is cluttered with various items, including a mouse, cables, and a small table with a glass and a can. In the background, there is a black office chair and a small shelf with more items. The entire image has a strong green color overlay.

*High*

**WE INCLUDED  
ASSETS**

A woman with dark hair, wearing a dark jacket, is cheering with her arms raised and mouth open. The background is a blurred indoor setting with a wooden floor and a wall. The entire image has a green tint.

**FONTS!**

**IMAGES!**

**ICONS!**

**EVERYBODY GETS ALL**

**THE ASSETS!**





*High*

**WE MADE IT  
DEVELOPER FRIENDLY**

# EASY TO INSTALL

```
> bower install ssh://  
git@stash.kp.org/rwd/styleguide.git
```

```
@include 'styleguide/main'
```



# **FIRST CLASS DOCUMENTATION**

# MAKE WRITING DOCS EASY

Name		City
<input type="checkbox"/>	Shane Russell	San Francisco, CA

```
<table class="table">
  <tbody><tr class="section-heading">
    <th></th>
    <th>Name</th>
    <th>City</th>
  </tr>
  <tr>
    <td><input type="checkbox"></td>
    <td>Shane Russell</td>
    <td>San Francisco, CA</td>
  </tr>
</tbody></table>
```

markup

<http://prismjs.com/>

# BECAUSE THE MARKUP IS THE API

CA

```
<table class="table">
  <tbody><tr class="section-heading">
    <th></th>
    <th>Name</th>
    <th>City</th>
  </tr>
  <tr>
    <td><input type="checkbox"></td>
    <td>Shane Russell</td>
    <td>San Francisco, CA</td>
  </tr>
</tbody></table>
```

markup

# THANK YOU!

**nicole sullivan**

**<https://www.youtube.com/watch?v=IsaG-EJcu88>**

**mailchimp styleguide**

**<http://ux.mailchimp.com/patterns/>**

**us digital service styleguide**

**<https://github.com/18F/web-design-standards>**

**yelp styleguide**

**<https://www.yelp.com/styleguide>**

A photograph of two men, likely actors, with a strong pink/magenta color overlay. The man on the left is looking off-camera with a serious expression, holding a dark cup. The man on the right has long, wavy hair and is looking towards the camera. Both have visible tattoos on their arms. The text 'QUESTIONS?' is centered over the image in a large, white, bold, sans-serif font.

**QUESTIONS?**

**@SHANEAR**