LIVING STYLEGUIDES

MAKE LOOKING GOOD, EASY
SHANE RUSSELL                  @SHANEAR
DEVELOPER AT THOUGHTWORKS
KAISER PERMANENTE

rebuilding their patient portal

5 single page apps
DESIGN TEAM
DESIGN TEAM

making wonderful, usable designs and stuff
tools:
- sketch
- illustrator
- photoshop
DESIGN TEAM

tools:
- sketch
- illustrator
- photoshop

mocks
DESIGN TEAM

- sketch
- illustrator
- photoshop

styleguide

tools:

consistency!
DESIGN TEAM → mocks → styleguide → DEVELOPMENT TEAM
DESIGN TEAM

DEVELOPMENT TEAM

tools:
- html
- css
- javascript
DESIGN TEAM

feedback

DEVELOPMENT TEAM
DESIGN TEAM

DEVELOPMENT TEAM

styleguide 1.1
styleguide 1.1.1
(added some padding to the button)

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

DESIGN  STYLEGUIDE  DEVELOPMENT

FACILITATING PAIRING
IT BRINGS TEAMS TOGETHER
“Partnership between dev and designers.. YAY!!”

- Jen Beasley, Kaiser Designer
IT'S CLOSER TO THE REAL THING
IT MAKES DEVELOPERS’ LIVES EASIER
“I ****** hate working with CSS”

-some developers on my team
“Make it easier to do the right thing than do the wrong thing”

-Nicole Sullivan
CONSISTENCY
ALRIGHT, LETS DO THIS!
NOT SO FAST
LOTS OF STYLEGUIDE
ATTEMPTS FAIL
“Success is stumbling from failure to failure with no loss of enthusiasm.”

-Winston Churchill
JavaScript?
WE WERE SLOPPY
THE MARKUP IS THE API

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shane Russell</td>
<td>San Francisco, CA</td>
</tr>
</tbody>
</table>
THE DIFFERENCE BETWEEN `<button>` AND `<a>` MATTERS
PICK AN ORGANIZATION METHOD (and stick to it)
CLASSIC BEM

(branch, element, modifier)

```html
<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)

```html
<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

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

```css
.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
NOONE FEELS COMFORTABLE CHANGING IT
So...?
WE USED SASS
VARIABLES,
SO HOT RIGHT NOW
## Primary Colors

<table>
<thead>
<tr>
<th>Color Name</th>
<th>Hex Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>$kp-blue</td>
<td>#06d9d</td>
</tr>
<tr>
<td>$dark-grey</td>
<td>#595959</td>
</tr>
<tr>
<td>$mid-grey</td>
<td>#999999</td>
</tr>
<tr>
<td>$light-grey</td>
<td>#e6e6e6</td>
</tr>
<tr>
<td>$white</td>
<td>#ffffff</td>
</tr>
<tr>
<td>$interactive-blue</td>
<td>#3e67fa</td>
</tr>
</tbody>
</table>
FOR COLORS

$link-color: $interactive-blue;
$hover-link-color: $kp-blue;
```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: $deep-blue;
  }
}
```
<table>
<thead>
<tr>
<th>Mini Font</th>
<th>Small Font</th>
<th>Base Font</th>
</tr>
</thead>
<tbody>
<tr>
<td>$mini-font</td>
<td>$small-font</td>
<td>$base-font</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medium Font</th>
<th>Large Font</th>
<th>Extra Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>$medium-font</td>
<td>$large-font</td>
<td>$extra-large-font</td>
</tr>
</tbody>
</table>
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;  
}
GRID SYSTEM: BOOTSTRAP STYLE (192 col classes)

```html
<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>
```
<div class="row-three-columns">
  <div class="row-column">
  </div>
  <div class="row-column">
  </div>
  <div class="row-column">
  </div>
</div>
- MIXINS
- ABSTRACT CLASSES
- VARIABLES

SASS KEEPS YOUR CSS LEAN
WE WERE OPPORTUNISTS
REDISEGS ARE THE PERFECT TIME
SELL IT!

- LUNCH AND LEARNS
- GARNISH FEEDBACK
- GET EXCITED ABOUT IT
WE INCLUDED ASSETS
FONTS!
IMAGES!
ICONS!
EVERYBODY GETS ALL THE ASSETS!
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

**Table:**

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shane Russell</td>
<td>San Francisco, CA</td>
</tr>
</tbody>
</table>

BECAUSE THE MARKUP IS THE API

```
<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>
```
THANK YOU!

nicole sullivan
https://www.youtube.com/watch?v=lsaG-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
QUESTIONS?

@SHANEAR