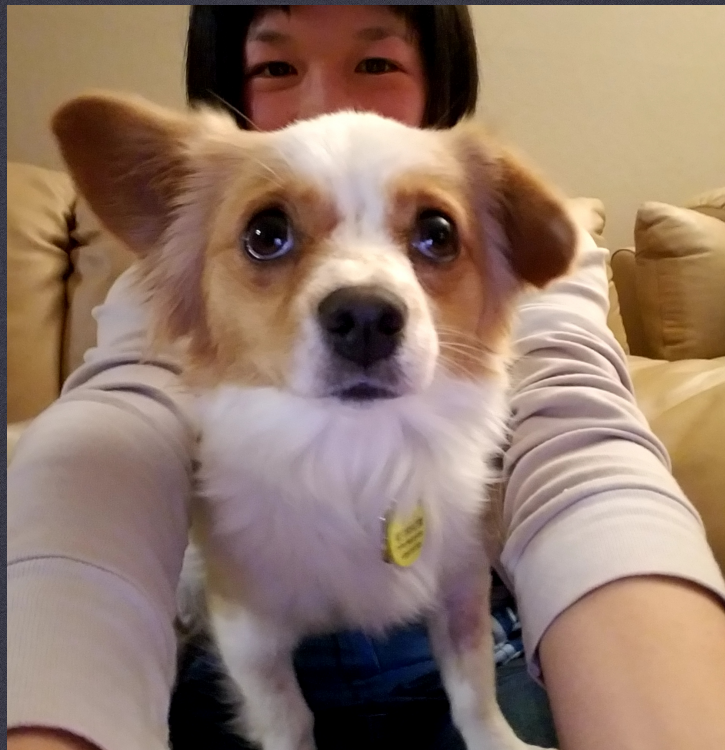
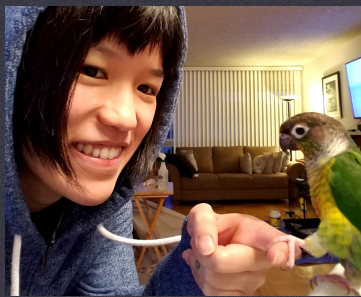


EMPATHETIC DESIGN SYSTEMS

JENNIFER WONG



MEEEEEE

JENNIFER WONG

SOFTWARE ENGINEER

GITHUB

[jennz0r](#)

TWITTER

[@mybluewristband](#)



MODE ANALYTICS

WE'RE HIRING!



WHAT IS A DESIGN SYSTEM?

THE GREAT BRITISH
BAKE OFF

bbc one



“NOW I’M INTO IT, I WANT MORE.”

Source: Giphy

PROJECT

DESIGN SYSTEMS

SO TRENDY WOW

DATE

2013?

CLIENT

EVERYONE

“A ***design system*** is a complete set of design standards, documentation, and principles along with the toolkit (UI patterns and code components) to achieve those standards..”

–UX Pin

A rose by any other name... is probably a design system.

- ▶ Design System
 - * Pattern Library
 - * Component Library
 - * Style Guide



Pattern Library

- * Set of design patterns for use across an entire company

Component Library

- * A set of commonly used elements for use across an entire company

Style Guide

- * Static documentation that describes the *design system* itself:
 - * how products should look and feel
 - * use cases for UI patterns
 - * correct typographic scales
 - * ... etc.

DESIGN SYSTEMS

OF ALL SIZES



UWP



iOS



MacOS



Android



Web-Desktop



Web-Mobile



Source: <https://theblog.adobe.com/introducing-spectrum-adobe-building-design-system-scale/>

PROJECT

SPECTRUM

ADOBE

CONF

FORWARD JS

SPEAKER

SARAH FEDERMAN

Overview

Typography

Colors

Accessibility

Grids

Buttons

Labels

Tables

Alerts

Accordions

Form controls

Form templates

Search bar

Side navigation

Headers

Footers

UI COMPONENTS

Buttons

Use buttons to signal actions.

[View in Component Library](#)

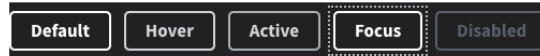
PRIMARY BUTTONS



SECONDARY BUTTONS



BUTTONS ON A DARK BACKGROUND



BIG BUTTON



Source: <https://designsystem.digital.gov/components/buttons/>

PROJECT

U.S. WEB DESIGN SYSTEM

18F

WHAT

OPEN SOURCE

WHO

GENERAL SERVICES ADMINISTRATION

moz://a



PROJECT

STYLEGUIDE

MOZILLA

Source: <https://mozilla.github.io/styleguide/elements/buttons.html>

WHAT

OPEN SOURCE

NEW

MOZILLA.DESIGN

Photon Design System

Photon Design

Visuals

Motion

Copy

Patterns

Components

Buttons

Checkboxes

Card **DRAFT**

Doorhangers **DRAFT**

Input Fields

Link

Message Bars

Radio Buttons

Resources

[Site Feedback](#)

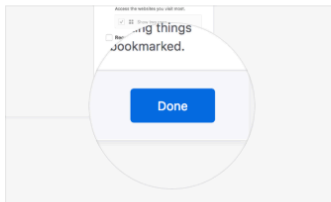
[Changelog v0.6.8](#)

[Privacy Policy](#)

Buttons

Buttons execute an action or change the state of an application. Button text helps users understand what action will occur when they click or tap.

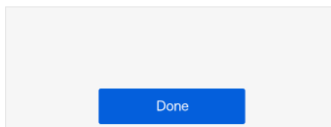
Usage



Buttons make actions visible. They enable users to change or complete a task. For example use a button to let users confirm a change. Use links in favor of buttons for navigation purposes with the exception of the back and forward button.

Types

Primary



Primary buttons draw attention to a specific action. Try to limit one primary button per view.

Source: <https://design.firefox.com/photon/components/buttons.html>

PROJECT

PHOTON MOZILLA (FIREFOX)

WHAT

OPEN SOURCE

CODE

[HTTPS://GITHUB.COM/FIREFOXUX/PHOTON](https://github.com/firefoxux/photon)

WHAT IS EMPATHY?

Empathy

em·pa·thy

/ˈempəTHē/

noun

noun: **empathy**

the ability to understand and share the feelings of another.



Source: Google Books Ngram Viewer



NYFW
LIBERTINE
SPRING / SUMMER 2019 COLLECTION

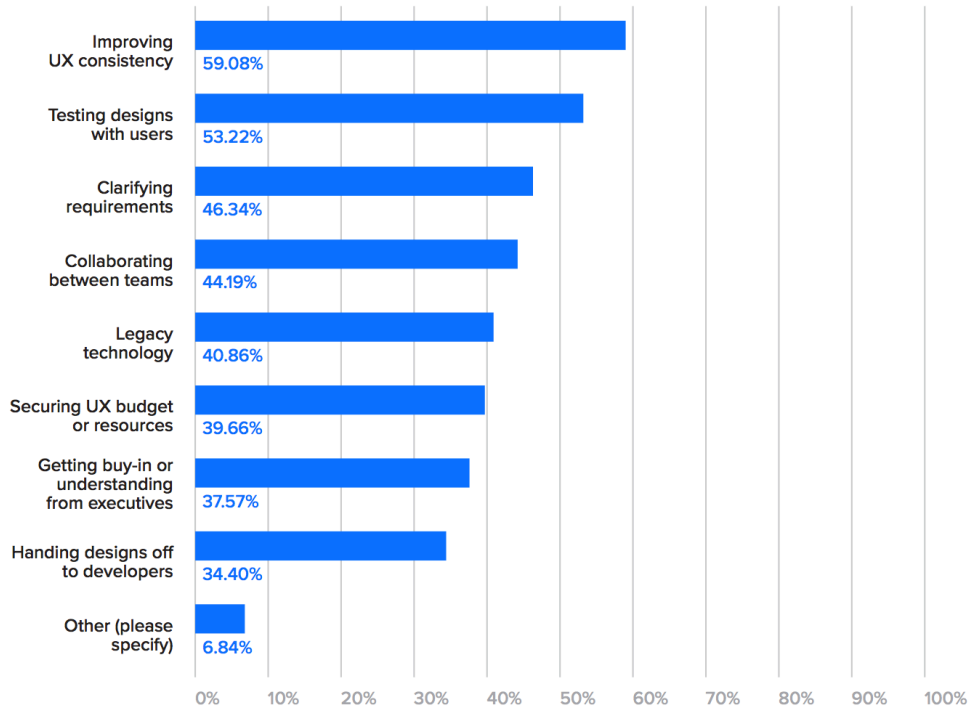
Source: Giphy, NYFW

UXPin: Enterprise UX Industry Report

- * Surveyed 3,157 people around the world
 - * 43% UX/Product Designers
 - * 11% UI Designers
 - * 7% each Visual Designers, Interaction Designers, Developers

What challenges do you currently face in your UX process?

Answered: 3,157 Skipped: 0





Source: Giphy, [LINDSEY L33](#)

EMPATHY

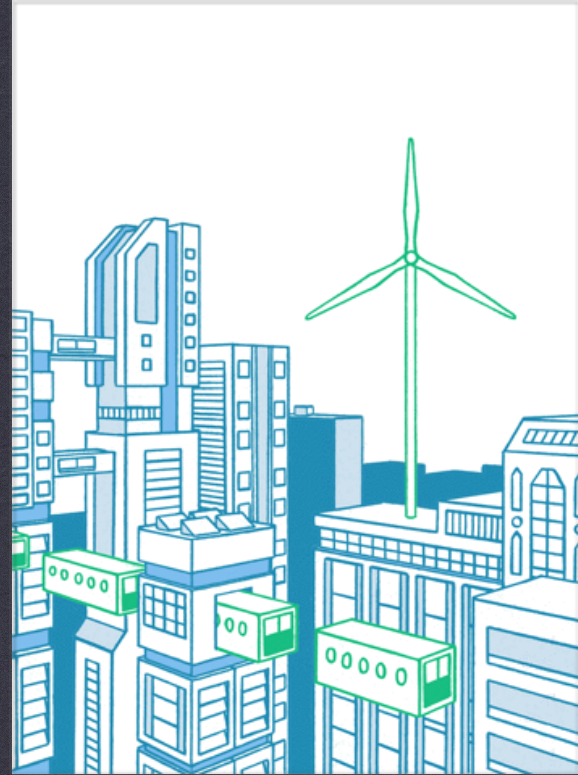
TEAMWORK

A COMPANY'S DESIGN SYSTEM

(WHERE I ONCE WORKED)

WHY DESIGN SYSTEM?

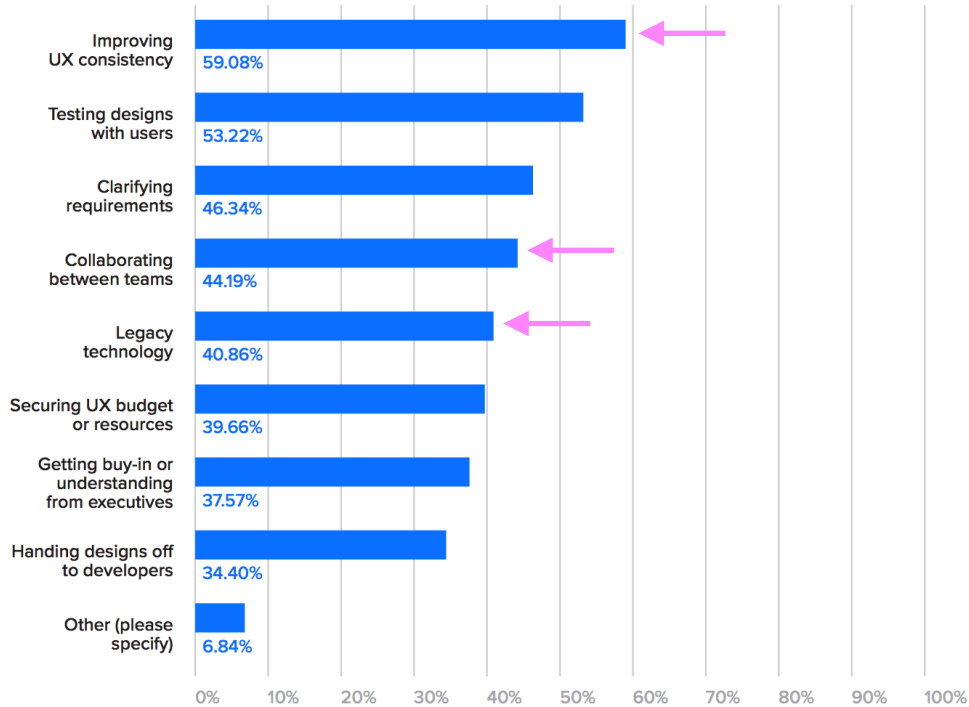
FUTUREEEEEEE



Source: <https://giphy.com/palerlotus/>

What challenges do you currently face in your UX process?

Answered: 3,157 Skipped: 0



When?

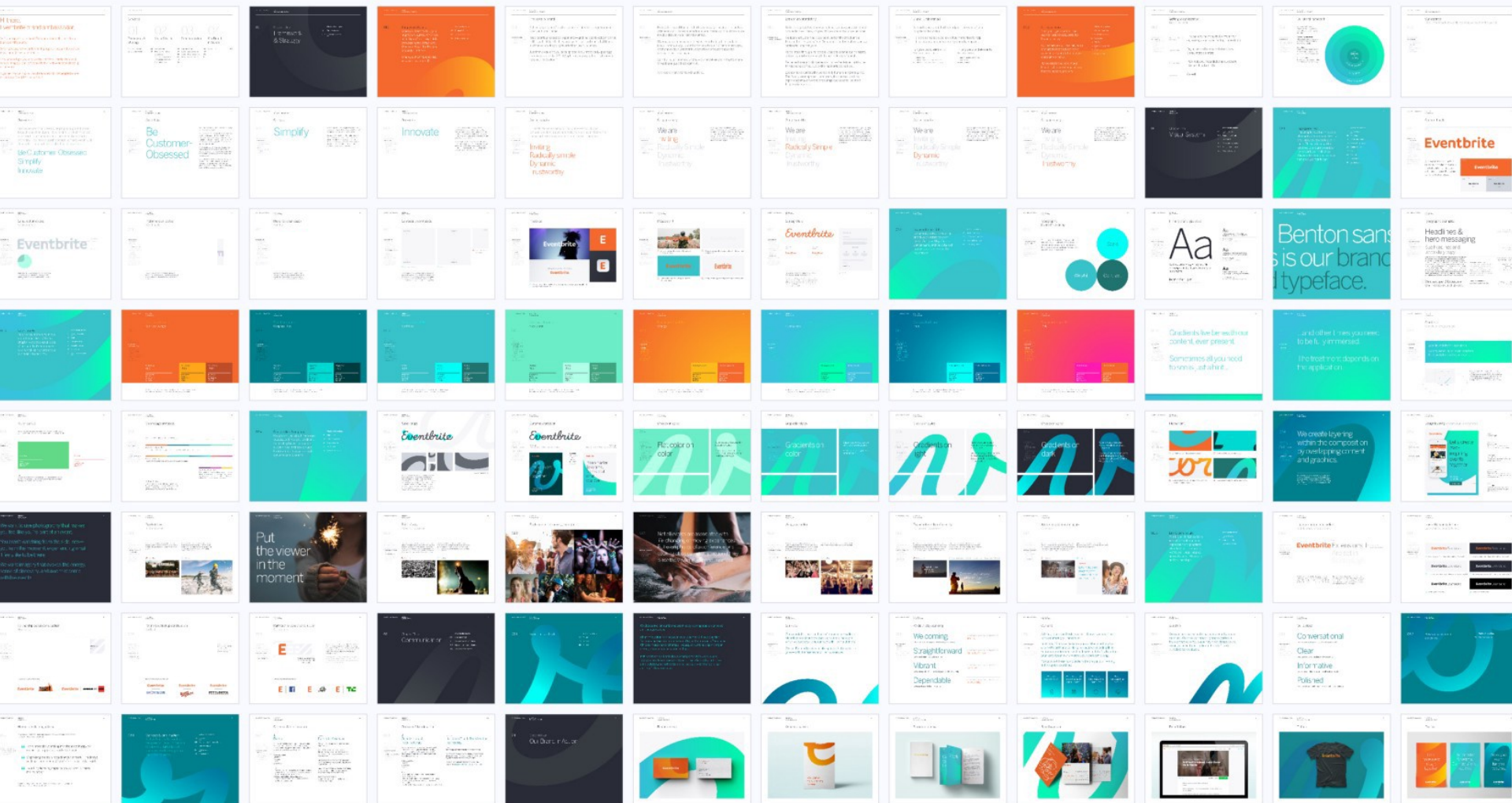
- * UX Consistency
 - * Company rebrand
- * Legacy technology
 - * Replacing the old “Styleguide”
 - * Backbone to React (as popularity increased)



**THEY'RE PEOPLE I WORK WITH
AND OUR JOB IS BEING POPULAR AND SHIT**

PRIMARILY

FOR POPULARITY



Source: <https://eventbritehq.com/how-eventbrite-solves-complex-design-problems-with-a-centralized-team-4a3575373ed6>

Who?

- * Frontend Foundry Team
 - * Three senior frontend engineers
 - * Three entry level engineers
- * One Product Manager
 - * Originally a Design Manager
- * Entire Design Team
 - * Up to 15 designers at any given time

STYLEGUIDE

OLD SCHOOL



Details

- * KSS (Knyle Style Sheets)
- * SCSS
- * CSS

The screenshot shows the GitHub repository page for 'kneath / kss'. At the top, there are navigation tabs for 'Code', 'Issues' (with a count of 27), and 'Pull requests'. Below the tabs, the repository description reads 'A methodology for documenting CSS an...'. A summary bar indicates '183 commits' and '2 branches'. Below this, there are buttons for 'Branch: master' and 'New pull request'. The commit history section shows a commit by 'benschwarz' on 'Apr 22, 2016'. Below the commit, there is a file tree with folders 'example', 'lib', and 'test', each with associated actions like 'Regenerate', 'Move share', and 'Assertion o'.

```
205 // Buttons
206 //
207 // Our `btn` class is suggest for use with ``, `` and `
```

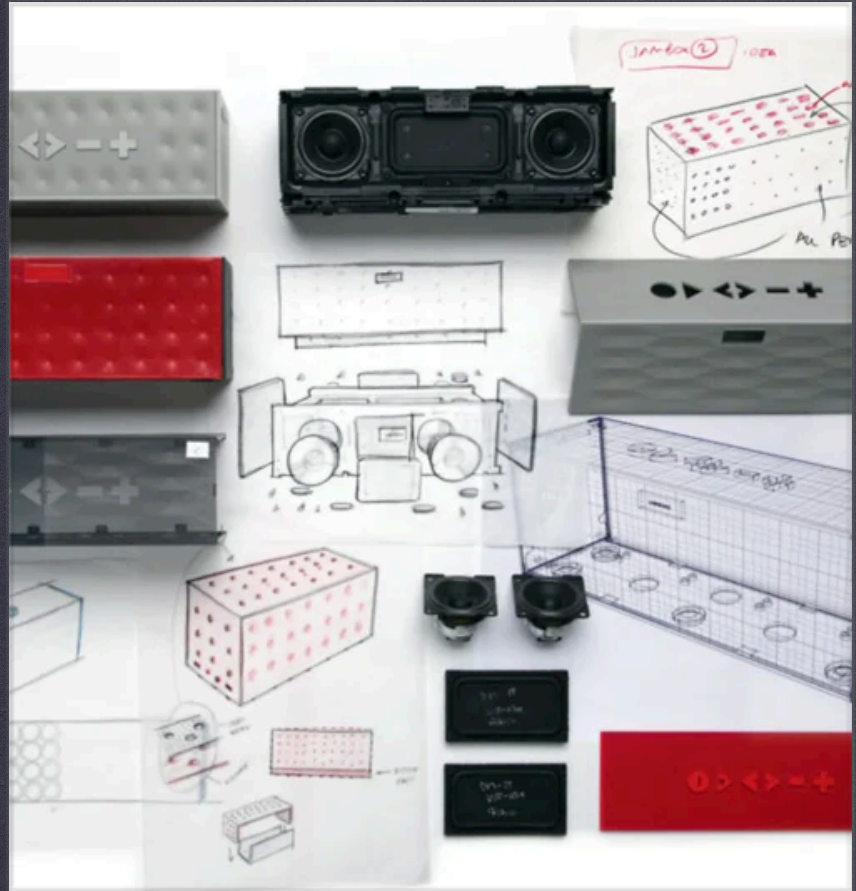

Brittle

- * No systematic way to add new features or styles
- * Cascade meant styles often overwrote each other
- * Comment-style section numbering required manual effort



```
205 // Buttons
206 //
207 // Our `btn` class is suggest for use with ``, `` and `
```

SHINY NEW DESIGN SYSTEM





Nathan Curtis

@nathanacurtis

Follow



A style guide is an artifact of design process.
A design system is a living, funded product
with a roadmap & backlog, serving an
ecosystem.

6:47 AM - 21 Oct 2015

249 Retweets 377 Likes



1



249



377



THINGS WE GOT RIGHT

YAY!

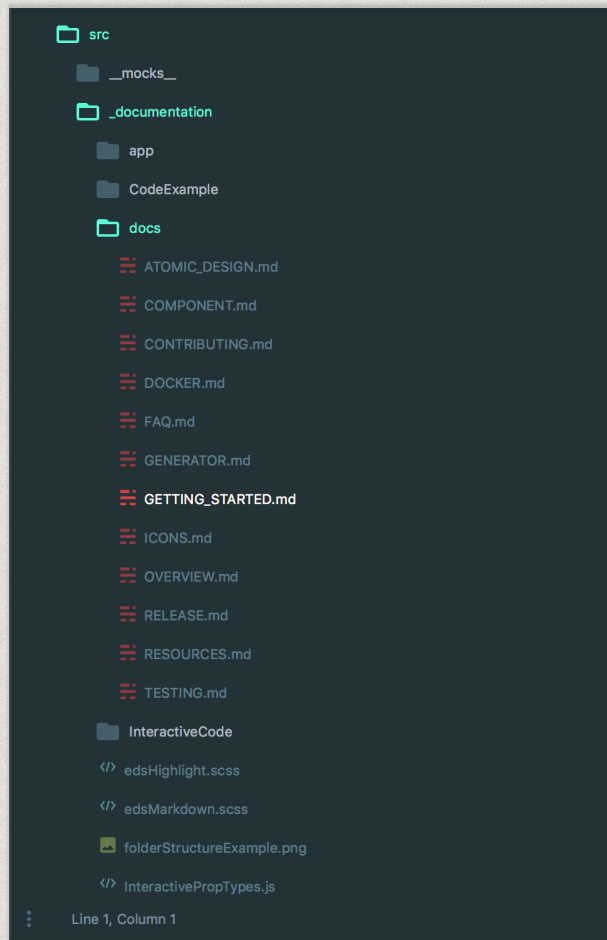


Component Generator

- * Uses Plop.js
 - * <https://plopjs.com/>
 - * Creates a boilerplate of code files

Documentation

- * Onboarding
- * Atomic Design





PLANNED APPROACH

STRUCTURED WAY OF ADDING NEW COMPONENTS

Accessibility

- * eslint-plugin-jsx-a11y
- * Modals

aria-activedescendant-has-tabindex	error	error
aria-props	error	error
aria-proptypes	error	error
aria-role	error	error
aria-unsupported-elements	error	error
click-events-have-key-events	error	error
heading-has-content	error	error
html-has-lang	error	error
iframe-has-title	error	error
img-redundant-alt	error	error
interactive-supports-focus	error	error
label-has-for	error	error
media-has-caption	error	error
mouse-events-have-key-events	error	error
no-access-key	error	error
no-autofocus	error	error
no-distracting-elements	error	error
no-interactive-element-to-noninteractive-role	error, with options	error
no-noninteractive-element-interactions	error, with options	error

PROBLEMS WE HAD

LACK OF EMPATHY





Source: Giphy

SEARCH

YOU DON'T KNOW WHAT YOU DON'T KNOW

Dropdown

Dropdown Menu

Accordion

Badge

Buttons

Cards

Divider

Dropdown

Dropdown

???

Dropdown Menu

Editing Tools

Form Elements

Icons

Illustration

A simple component that contains arbitrary content. It is intended to be used as the dropdown for `AutocompleteField` or `DropDownMenu`.

[View source code on Github](#)

[More details](#)

Dismissable Dropdown

Show React

Show Markup

A dropdown (click away to dismiss)

Show dropdown

Show dropdown

Dropdown alignment options

Show React

Show Markup

Types of dropdown alignments (click away to dismiss)

Full

Show dropdown

Left

Dropdown

Dropdown Menu

Accordion

Badge

Buttons

Cards

Divider

Dropdown

Dropdown

Dropdown Menu

Editing Tools

Form Elements

A simple component that contains arbitrary content. It is intended to be used as the dropdown for `AutocompleteField` or `DropdownMenu`.

[View source code on Github](#)

[More details](#)

Dismissable Dropdown

Show React

Show Markup

A dropdown (click away to dismiss)

Show dropdown

Show dropdown

Dropdown alignment options

Show React

Show Markup

Types of dropdown alignments (click away to dismiss)

NAMING THINGS

IS HARD

EDS

- * E's Design System
- * Formerly known as code name: Black Panda



Source: Giphy



Source: Giphy

IS IT DEPRECATED?

MAYBE

Component is unstable and subject to change

Card List

A Card List creates a list of Cards.

Usage

Card Lists supply spacing in-between each Card. You can specify a Card style that will be applied to all Card items in the list. The list style can be overridden for individual Cards as necessary.

[View source code on Github](#)

[More details](#)

Card List

Show React

Show Markup

A list of Card items. Card 3 overrides the default styles of the list.

Card 1

Card 2

Card 3

Card 4

Card 5

Text Input

An example of a TextInput passing no props with a Label

Text Input - Error

An example of a TextInput with an error

Text Input - Disabled

An example of a disabled TextInput passing no props with a Label

Text Input - Types

An example of a few TextInput types passing no props with Labels

InputField with 'dynamic' style (Default)

InputField renders a stylized label, form element, annotation notes, and annotation states inside of its own view. When the user taps the form element, the field will give focus on the form element and reveal the placeholder text, if provided. It also supports prefix (I

Dynamic style

This field is required.

With prefix icon

This field is required.

With prefix text

This field is required.

With suffix text

This field is required.

TEXT INPUT OR INPUT FIELD?

ANOTHER DEPRECATION ISSUE



Source: Giphy

COMPONENT CONFUSION

WHEN AND WHERE DO I USE IT?

dropdown

- Dropdown
- Dropdown Menu

Accordion

Badge

Buttons

Cards

Divider

Dismissable Dropdown

A simple component that contains arbitrary content. It is intended to be used as the drop

[View source code on Github](#)

[More details](#)

select

Select

Accordion

Badge

Buttons

Cards

Divider

Dropdown

Editing Tools

Form Elements

Checkbox

Date Picker

Select

A Select lets the user select one option from a list.

Usage

Use a Select when you have 5 or more items for a user to choose from. The Select displays a dropdown of options. It takes 100% width of its parent container, so it's recommended to be used within a responsive grid cell.

Implementation Notes

The Select component uses custom styling for the input field, but uses the browser's native styles to display the actual options.

[View source code on Github](#)

[More details](#)

Show React Show Markup

Dropdown Menu

A simple dropdown navigational menu. The links in the dropdown menu can be normal anchor links or React Router links. The links can also be separated by a divider. The dropdown itself can also be anchored to the left, right or full width.

DropdownMenu is molecule that is built up from a list molecule and a foundational wrapper:

- <Dropdown />
 - <NavList /> or <TextList />

For more detail on how this works and the options data available see, these pages.

[View source code on Github](#)

[More details](#)

Dropdown Nav Item Menu

Show React Show Markup

SelectField

SelectField renders a stylized label, select form element, annotation notes, and annotation states inside of its own variant here.

Static (Default)

example-label
Select something

Do it!

Basic

Select something

Do it!

example-label
Select something

Do it!

Do it!

Do it!

DROPDOWN OR SELECT

OR DROPDOWN MENU OR SELECT FIELD?

Naming. Is. Hard.

- * Dropdown
- * Dropdown Menu
- * Input Field
 - * Select Field
- * Select





Source: Flickr

WHERE'S THE CSS?

HOW CAN DESIGNERS CONTRIBUTE?

- Accordion
- Badge
- Buttons ^
- Button
- Icon Button
- Phab
- Cards v
- Divider
- Dropdown v
- Editing Tools v
- Form Elements v
- Icons v

Button - Styles

Hide React

Show Markup

```
import React from 'react';

import Button from '../Button';

export default class ButtonStyleExample extends React.PureComponent {
  render() {
    return (
      <div className="eds-g-grid">
        <div className="eds-l-mar-right-2 eds-g-cell eds-g-cell--has-overflow">
          <Button style="link">Link</Button>
        </div>
        <div className="eds-l-mar-right-2 eds-g-cell eds-g-cell--has-overflow">
          <Button style="danger">Danger</Button>
        </div>
        <div className="eds-l-mar-right-2 eds-g-cell eds-g-cell--has-overflow">
          <Button style="neutral">Neutral</Button>
        </div>
        <div className="eds-l-mar-right-2 eds-g-cell eds-g-cell--has-overflow">
          <Button style="fill">Fill</Button>
        </div>
        <div className="eds-l-mar-right-2 eds-g-cell eds-g-cell--has-overflow eds-bg-color--grey-900">
          <Button style="inverse">Inverse</Button>
        </div>
      </div>
    );
  }
}
```

An example of buttons using styles

button

docs

tests

Button.js

button.scss

constants.js

ToggleButton.js

toggleButton.scss

utils.js

card

checkbox

divider

graphic

icon

iconButton

iconListItem

illustration

imageCropper

inputField

inputs

label

listItem

Button.js

button.scss

```
1 @import '../..//settings';
2 @import '../..//foundation/color/colorMixins';
3 @import '../..//foundation/motion/fx';
4 @import '../..//atoms/vectorImage/vectorImageMixins';
5
6 $btn-transition: all $gently $persistent;
7 $btn-shadow: 0 0 9px 0;
8
9 $btn-phab-shadow-1: 0 1px 20px 0;
10 $btn-phab-shadow-2: 0 2px 5px 0;
11 $btn-phab-hover-shadow-1: 0 1px 32px 0;
12 $btn-phab-hover-shadow-2: 0 2px 8px 0;
13
14 $btn-index-layer-1: -200;
15 $btn-index-layer-2: -190;
16
17 $btn-link-padding: 7px;
18
19 $btn-icon-with-icon-only-padding: 7px; // Padding - btn-border-width
20 $btn-icon-with-other-children-padding: 7px 23px 7px 15px; // Padding - btn-border-width
21 $btn-icon-with-other-children-margin-right: 8px;
22
23 .eds-btn {
24   // Reset the buttons coordinate system
25   transform: translate3d(0, 0, 0);
26
27   position: relative;
28   height: $btn-height;
29   padding-top: 1px; // shift content down a bit
30   padding-left: $btn-padding-horizontal;
31   padding-right: $btn-padding-horizontal;
32   box-sizing: border-box;
33   text-align: center;
34   text-decoration: none;
35   line-height: $text-line-height;
36   font-weight: $text-weight-normal;
```

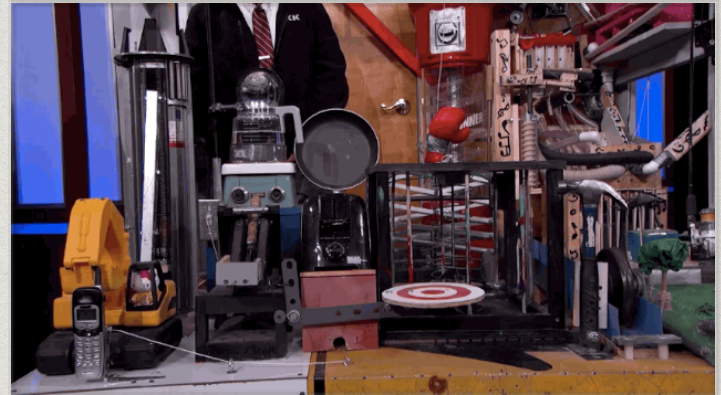
```
grid.scss      x  Grid.js      x
1 @import '../..//settings';
2 @import '../mediaQueries';
3 @import 'gridMixins';
4 @import 'gridExtras';
5
6 %g-element {
7   box-sizing: border-box;
8
9   display: inline-block;
10  overflow: hidden;
11  vertical-align: top;
12 }
13
14 .eds-g-group {
15   /* font-size whitespace hack. This gets rid of s
16   font-size: 0;
17   letter-spacing: 0;
18 }
19
20 .eds-g-group--full-width {
21   max-width: 100%;
22   margin-left: 0;
23   margin-right: 0;
24 }
25
26 .eds-g-grid {
27   @extend .eds-g-group;
28   margin-left: auto;
29   margin-right: auto;
30 }
31
alignment.scss x
1 @import '../..//settings';
2 @import '../..//foundation/mixins';
3
4 // This helper should be removed if during the design sprints it is decided
5 .eds-h-full-height-scrollable {
6   height: 100vh;
7   overflow: auto;
8 }
9
10 .eds-align--left {
11   display: flex;
12   justify-content: flex-start;
13 }
14
15 .eds-align--right {
16   display: flex;
17   justify-content: flex-end;
18 }
19
20 .eds-align--center {
21   display: flex;
22   justify-content: center;
23   align-content: center;
24   align-items: center;
25   margin: auto;
26 }
27
28 .eds-align--center-horizontal {
29   display: flex;
30   justify-content: center;
31 }
```

GRID SYSTEM & ALIGNMENT

INLINE-BLOCK VS FLEXBOX

Unknown Effects

- * A widely shared new component was created.
- * I used it in a new feature *and* edited some of its styles.
- * This affected other people's features that used the new component



Source: Giphy

Discovered Causes

- * A miscommunication about the grid system and alignment classes
- * Grid System: inline-block
- * Alignment: flexbox
- * Using both conflicts, so editing the classes ruined the component spacing



Source: Giphy



Source: Giphy

RELEASE PROCESS

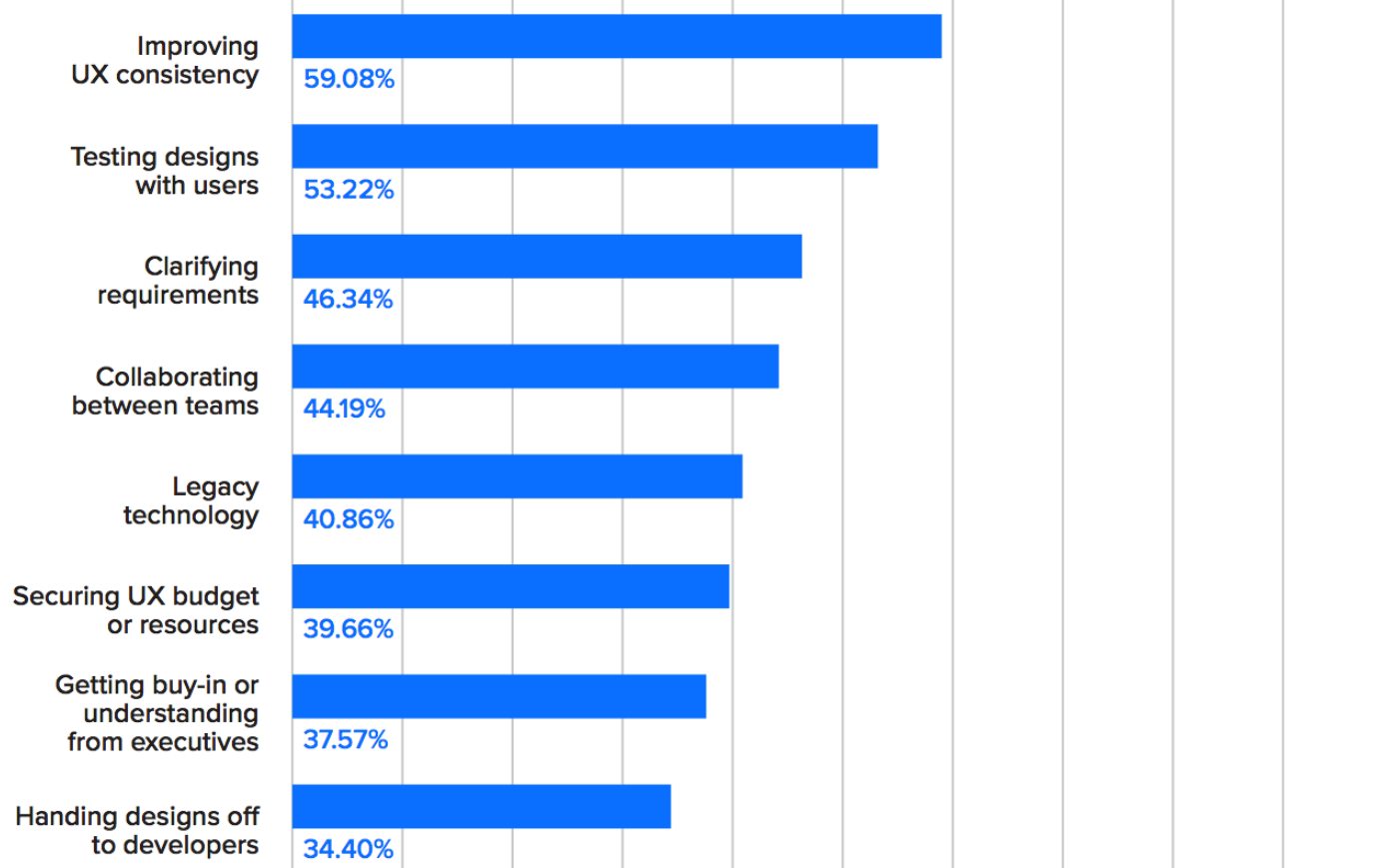
RELEASE THE HOUNDS!

Release Process

- * Frontend Foundry released a new version of library once a week
- * “Bump” in core repository required even more time
- * Feature Teams required to wait delaying feature releases



Source: Giphy

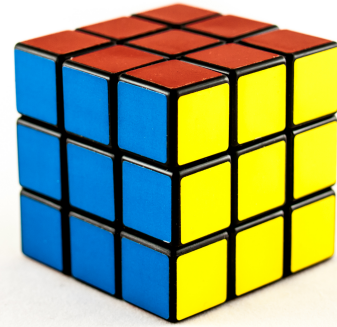


UX PIN

ENTERPRISE UX INDUSTRY REPORT 2017 - 2018

SOLUTIONS WE FOUND

EMPATHY



gifak-net



Source: Giphy

SEARCH

BETTER DISCOVERABILITY

Eventually...

- * A plan to create a better search / discoverability
- * Smaller navigation bar
- * Search across code base
- * Homepage of screenshots





Source: Giphy

NAMING THINGS IS EASY

NO MORE CODE NAMES OR ACRONYMS

Eventually...

- * Purge!
- * Remember!
- * Explain!





Source: Giphy

COMMUNICATION

SHARE, DON'T HOARD INFORMATION

Communication

- * Frontend Guild
 - * Weekly meetings
 - * design-system Slack channel



Source: Giphy

Communication

- * Grid System vs Alignment
 - * Discussed the differences and nuances of using both



Source: Giphy

Communication

- * Text Input vs Input Field
 - * Creating new components without knowing



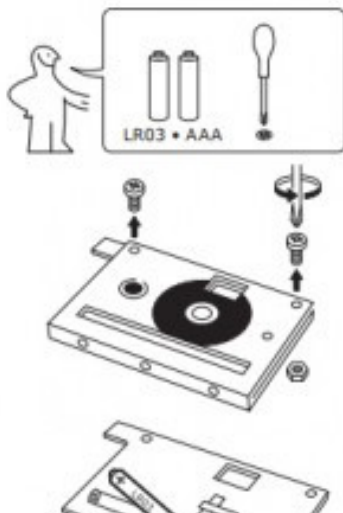
Source: Giphy

ENGLISH

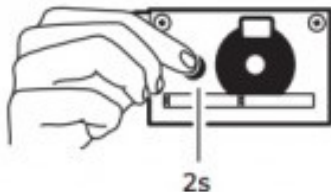
KNÄPPA



Design and Quality
IKEA of Sweden



1



PUTTING THE CAMERA TOGETHER

Please refer to the assembly instructions. The 2 AAA/LR03 batteries need to be inserted as shown before assembling the camera.

TURNING THE CAMERA ON

Hold down the power/shutter button with your finger for about 2 seconds. This is on the front of the camera under the IKEA logo. Check that the LED on the back of the camera next to the viewfinder. A green light indicates the camera is on.

TAKING A PICTURE

When the LED is green, click firmly the power/shutter button, then LED starts to blink green. The LED will blink green for about 8 seconds while the picture data is being processed. The camera will not take another picture while the LED is blinking. Once the LED stops blinking it is ready to take the next picture.

TURNING THE CAMERA OFF

Hold down the power/shutter button with your finger for about 5 seconds until the green LED goes out. The camera will also turn itself off.

2



DELETING PICTURES FROM THE CAMERA

If the LED on the camera flashes red, the camera's internal memory is full. Before you can take more pictures, you need to make room for new pictures by deleting older ones. To delete pictures make sure the camera is turned on. Then use a paperclip to press the delete button on the front of the camera for about 5 seconds. Note! This will delete all the pictures on the camera. Please back-up all the pictures on a computer before pressing the delete button.

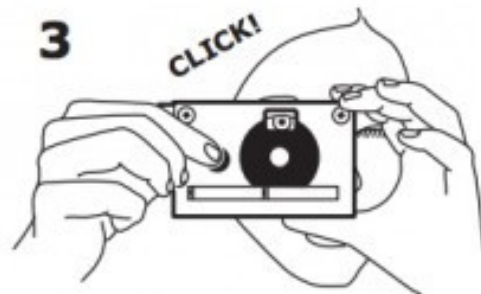
LOW BATTERY

The LED on the camera will shine red when the camera's battery power is low. You need to replace the batteries as soon as you can.

BATTERY REPLACEMENT

Remove the plastic nuts and bolts at the top of the camera, and place them in a safe place. Remove the old batteries and then replace making sure that the + and - symbols match on the new batteries and circuit board. Then reassemble.

3



TIPS

- Hold the camera still for about 3 seconds before click the power/shutter button to stabilize the sensor exposure time to the aim in order to make sure your pictures are not blurry.
- To help keep the camera steady, rest it on something to help keep it stable.
- To improve picture quality avoid low light levels.

COMPONENT CLARITY

USAGE GUIDELINES (COMING SOON)

Project Map

Data

Clean

Zoom:

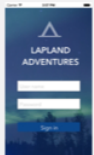


First launch:
Login

atures

Screen

Login



Double-click
to edit

Has nav bar



Component properties:

title
description
picture



Title

Lorem ipsum dolor sit
amet, consectetur
adipiscing elit. In erat
mauris,

Source: React Studio

DESIGNERS AND REACT

[HTTPS://REACTSTUDIO.COM/](https://reactstudio.com/)


```
EXPLORER
OPEN EDITORS
  Welcome
  JS AdventureItem.js
SRC
  > images
  JS AdventureItem.js
  JS AdventuresHead.js
  JS AdventuresScreen.js
  # App.css
  JS App.js
  JS App.test.js
  JS DataSheet_listData1.js
  JS DetailsScreen.js
  # index.css
  JS index.js
  JS LoginScreen.js
  # mui.min.css
  JS registerServiceWorker.js

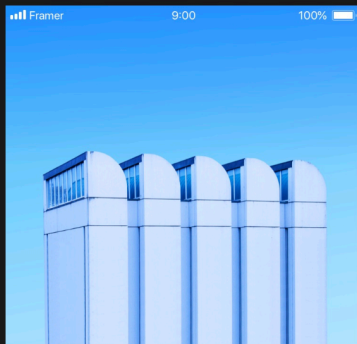
60
61
62
63
64
65
66
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};
const style_picture = {
  background: 'url('+this.props.picture || img_elPicture)
  backgroundImage: 'cover',
  backgroundPosition: '50% 50%',
  pointerEvents: 'none',
};
const style_hotspot = {
  display: 'block',
  cursor: 'pointer',
};
return (
  <div className="AdventureItem" style={baseStyle}>
    <div className="background">
      <div className="elClickableBg" style={style_clickableBg} />
    </div>
    <div className="layoutFlow">
      <div className="elTitle" style={style_title_outer}>
        <div style={style_title}>
          <div{value_title !== undefined ? value_title : (<
        </div>
      </div>
    </div>
    <div className="elShortDescription" style={style_shortDescription}>
      <div style={style_shortDescription}>
        <div{value_shortDescription !== undefined ? value
      </div>
    </div>
  </div>
  <div className="foreground">
    <div className="elPicture" style={style_picture} />
    <div className="actionFont elHotspot" style={style_hotspot} />
  </div>
</div>
)
}
```

Source: Read Studio

DESIGNERS AND REACT

[HTTPS://REACTSTUDIO.COM/](https://reactstudio.com/)



Saturate



Contrast



Grayscale



Position 560 X 230 Y

Size 150 W 50 H

Opacity 100 %

Rotation 0

Code +

Slider

Value 50

Radius 0

Tint 100 %

Track 100 %

```
Slider.tsx

import * as React from "react"
import { Frame, Point, Draggable, PropertyControls, ControlType } from "framer"

interface Props {
  value: number
  knob: string
  track: string
  tint: string
  width: number
  height: number
}

interface State {
  value: number
}

export class Slider extends React.Component<Partial<Props>, State> {
  static defaultProps = {
    width: 120,
    height: 44,
    value: 50,
    knob: "#FFF",
    track: "#333",
    tint: "#8DF",
  }

  static propertyControls: PropertyControls<Props> = {
    value: { type: ControlType.Number, title: "Value" },
    tint: { type: ControlType.Color, title: "Tint" },
  }
}
```

Source: Framer

DESIGNERS AND REACT

[HTTPS://FRAMER.COM/](https://framer.com/)

Release

Releasing involves a two step process which is building a package of new EDS version (`eds-release`) and bumping that version in core (`core-bump`).

Note: All commits should be prefixed with [MAJOR], [MINOR], [PATCH] or [DEV]. See [Semantic Versioning](#).

When do releases happen?

The `eventbrite_design_system` package is automatically released after every commit prefixed with [MAJOR], [MINOR], or [PATCH]. The package is then manually bumped in core afterwards.

proposed-bot APP EDS Released to 48.0.1! 🚢 Congrats @jenn - Based on commit history, you are our release captain and have been specially selected to bump EDS in CORE-JS! 🙌 Just copy and paste this in your terminal:

```
bay attach core-js -- yarn upgrade          _design_system@http://packages.evbops.com:8889/package
/          _design_system/48.0.1
```

Follow this handy dandy guide https://github.com/_design_system/blob/master/RELEASE.md#core-js

@334 @B You have commits in this release! Please keep an eye out and support your fellow crewmates where needed 🙌

RELEASE PROCESS

FOR ALL

WHAT YOU SHOULD DO

EMPATHIZE!



Source: Giphy

Who's gonna use it?

- * Designers?
- * Product Managers?
- * Engineers?
- * QA Engineers?
- * Marketing?
- * External Stakeholders?



Source: Giphy

A NEED TO KNOW BASIS

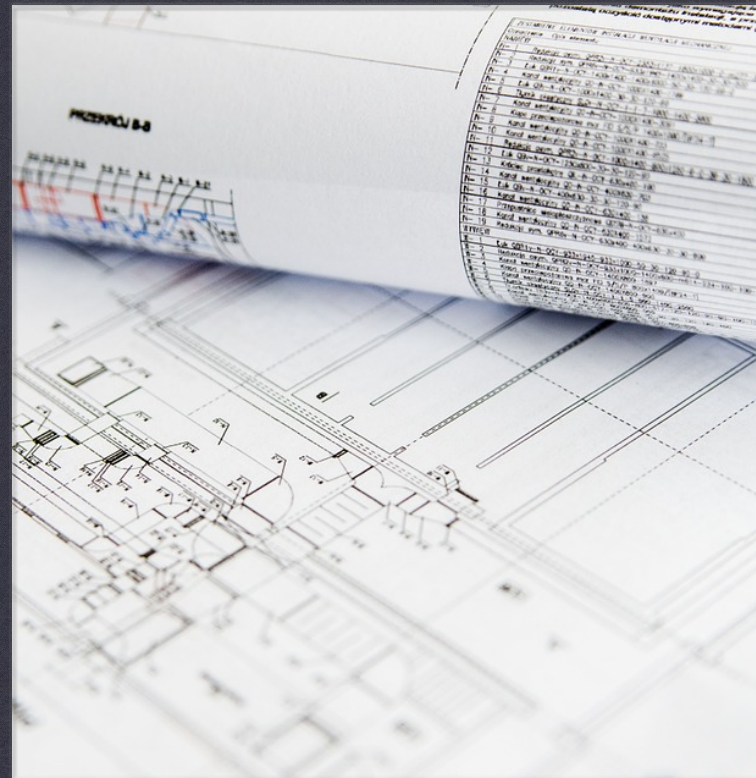
PLZ NO ^
PLZ KNOW!




Source: Giphy

DOCUMENTATION

WRITE THE DOCS



Deprecated and obsolete features

 Languages Edit

Jump to: [Deprecated features](#) [Obsolete features](#)

[Web technology for developers](#) >

[JavaScript](#) >

[JavaScript reference](#) >

Deprecated and obsolete features

Related Topics

JavaScript

Tutorials:

- ▶ Complete beginners
- ▶ JavaScript Guide
- ▶ Intermediate
- ▶ Advanced

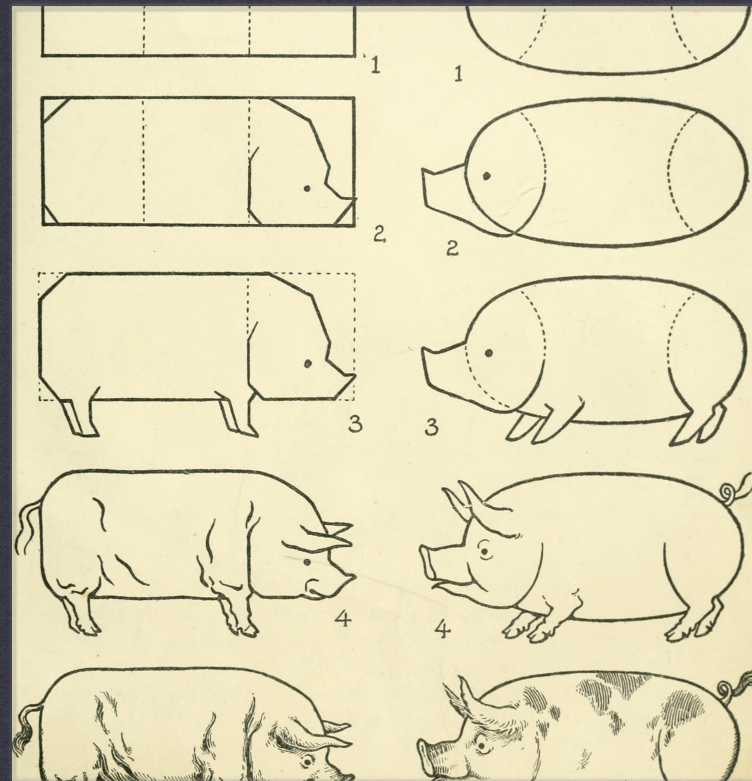
This page lists features of JavaScript that are deprecated (that is, still available but planned for removal) and obsolete (that is, no longer usable).

Deprecated features

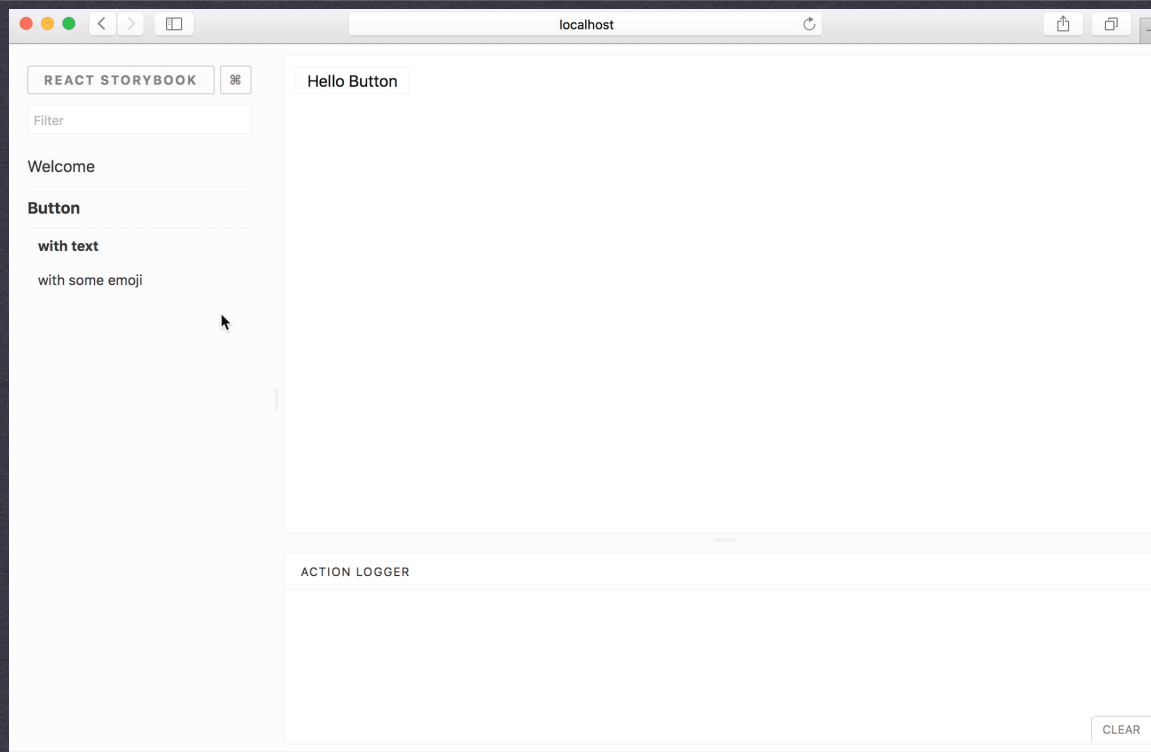
These deprecated features can still be used, but should be used with caution because they are expected to be removed entirely sometime in the future. You should work to remove their use from your code.

PROCESS

HOW DO I MAKE THIS THING WORK?



HELPFUL TOOLS



PROJECT

STORYBOOK

A UI DEVELOPMENT ENVIRONMENT

WHAT

OPEN SOURCE

DOCS

[HTTPS://STORYBOOK.JS.ORG/](https://storybook.js.org/)

Design System Manager

Design better and build faster with a single tool that powers creativity and consistency at scale.

[WATCH HOW IT WORKS](#)

<Button

PROJECT

INVISION

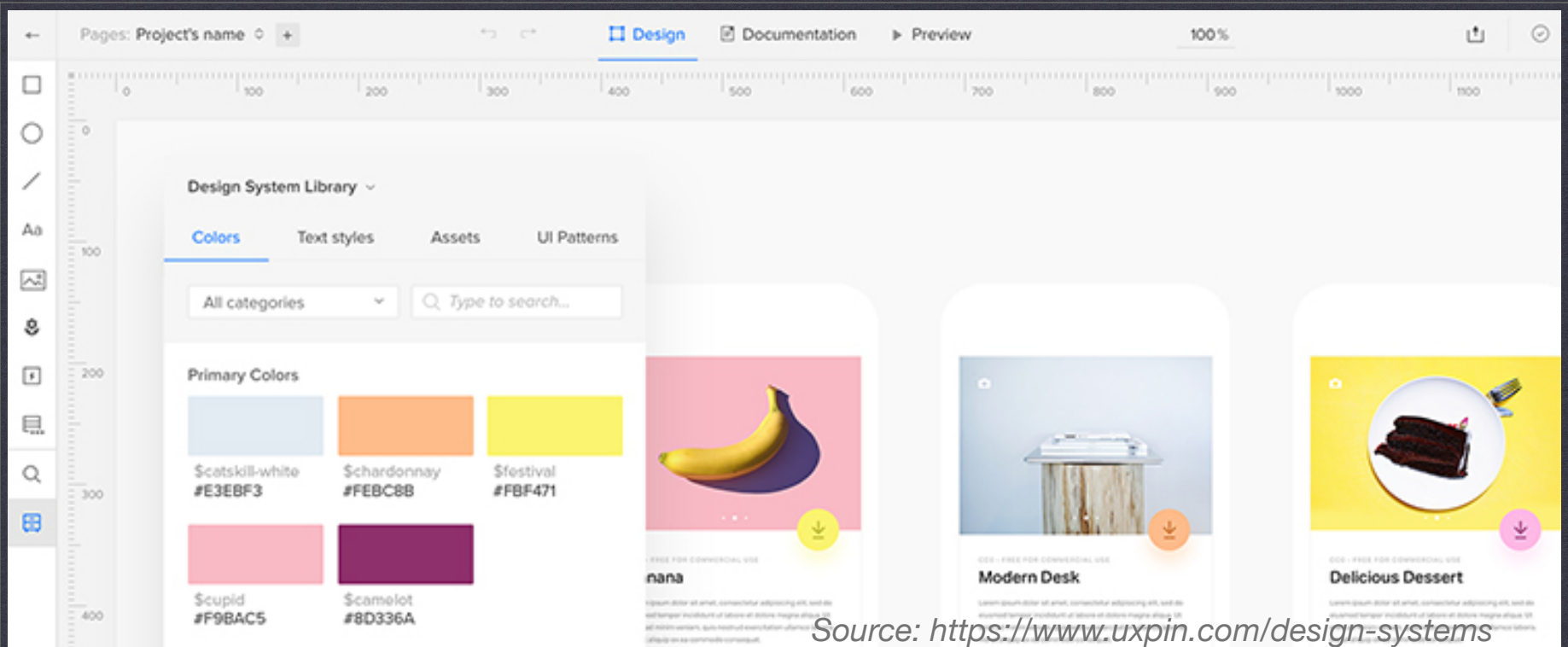
DESIGN SYSTEM MANAGER

WHAT

DSM

DOCS

[HTTPS://WWW.INVISIONAPP.COM/DESIGN-SYSTEM-MANAGER](https://www.invisionapp.com/design-system-manager)



Source: <https://www.uxpin.com/design-systems>

PROJECT

UX PIN

UX DESIGN PLATFORM

WHAT

UX DESIGN PLATFORM

DOCS

[HTTPS://WWW.UXPIN.COM/](https://www.uxpin.com/)

WHAT WE DO!



WE ARE BUILDING A DESIGN SYSTEM!



OUR RESOURCES

Remember:

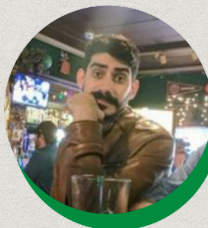
- * Frontend Foundry Team
 - * Three senior frontend engineers
 - * Three entry level engineers
- * One Product Manager
- * Entire Design Team
 - * Up to 15 designers at any given time

22!

Mode's Design System Team

- * Three Designers
- * Five Frontend Engineers
- * One Backend Engineer
- * Functional Fridays
 - * One day a week!

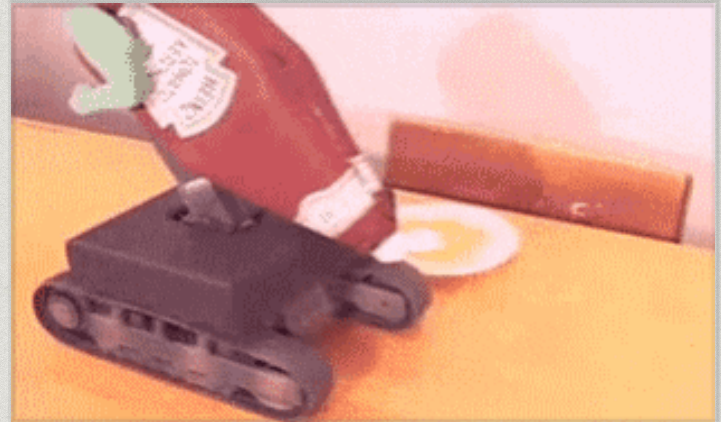
9!



BUILD WHAT YOU NEED.

Building too far ahead of needs

- * Usually results in:
 - * Component you don't need
 - * Component that doesn't meet current needs
 - * Component with unnecessary extra features
- * Accounting for all the edge cases or cases where the component will be used is *near impossible*.



Text Input

An example of a TextInput passing no props with a Label

Text Input - Error

An example of a TextInput with an error

Text Input - Disabled

An example of a disabled TextInput passing no props with a Label

 Input is Enabled

Text Input - Types

An example of a few TextInput types passing no props with Labels

InputField with 'dynamic' style (Default)



InputField renders a stylized label, form element, annotation notes, and annotation states inside of its own wrapper. When the form element is focused, the field will give focus on the form element and reveal the placeholder text, if provided. It also supports prefix (I

Dynamic style


Type something

This field is required.

With prefix icon

  
Type something

This field is required.

With prefix text

Type something

This field is required.

With suffix text

 \$ LongWord

This field is required.

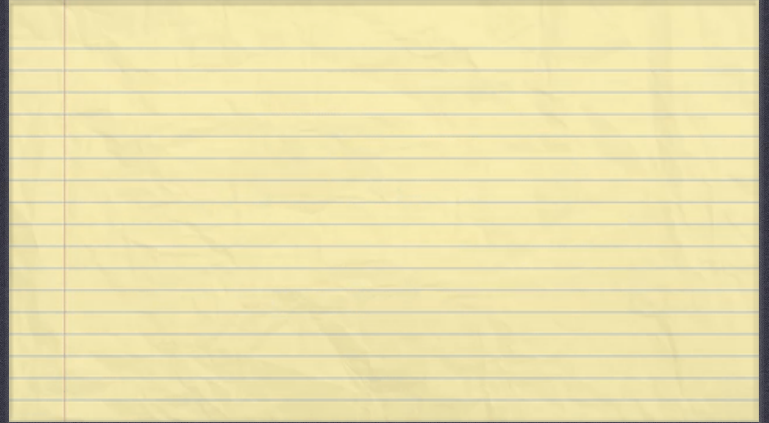
 Disabled field

REMEMBER?

TEXT INPUT VS INPUT FIELD

FIRST THINGS FIRST

ALL THE THINGS

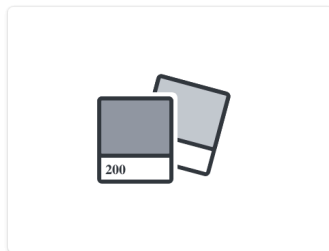


- 🔗 Getting Started
- 🌈 Colors [Done]
- 🔗 Type Styles
- 🌐 Icons
- 🖼️ Illustrations
- 📦 Components
- 👤 Patterns
- 📖 Writing Style Guide
- 📊 Data Viz [WIP]
- Fonts

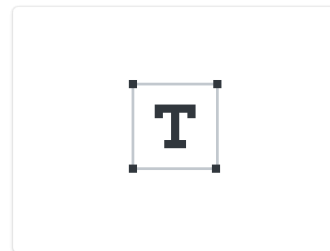
Capra - Product



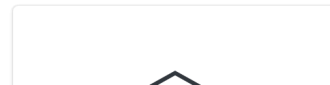
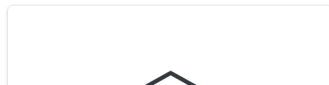
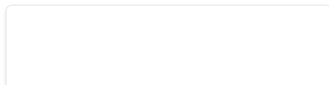
🔗 Getting Started



🌈 Colors [Done]



🔗 Type Styles





🚩 Getting Started

Welcome!

Structure

🌈 Colors [Done]

📏 Type Styles

🌐 Icons

🖼️ Illustrations

📦 Components

👥 Patterns

📖 Writing Style Guide

📊 Data Viz [WIP]

Test

Fonts

🚩 Getting Started

Welcome!

👋 Welcome to Capra, Mode's Product Design System!

Status

Capra is currently in a draft stage, with changes being made every day. There is a [cross-functional working group](#) that includes both design and frontend engineering who is actively working on creating and maintaining the design system. This website is maintained by the design team.

Stewards

There are a few champions on the design side (called stewards) who are responsible for shepherding the initiative, taking ownership of the actual design system deliverables, and facilitating conversations with the entire design team.

Meetings

The stewards host two weekly design system meetings. The first is a [Backlog Review](#) to sync on the ongoing work that's happening and groom our [Asana board](#). The second is a [Design Review](#) to discuss in detail any updates to the

Getting Started

Colors [Done]

Type Styles

Icons

Illustrations

Components

Avatars [Done]

Badges

Banners [Done]

Breadcrumbs [Done]

Buttons

Button groups

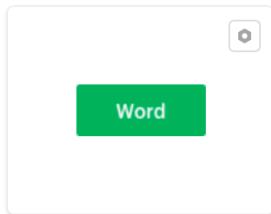
Button dropdown

Split buttons [Done]

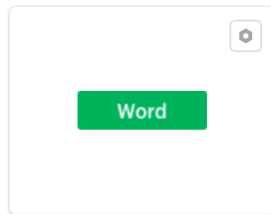
Controls

Dropdowns

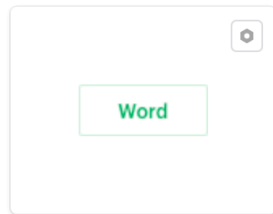
Headers



Button [Done]



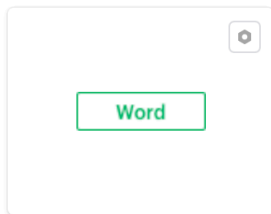
Mini button [Done]



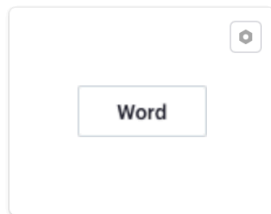
Primary outline button



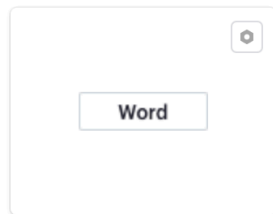
Text and icon button



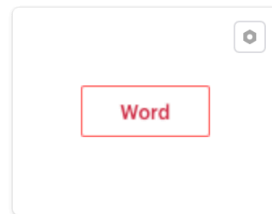
Mini outline button



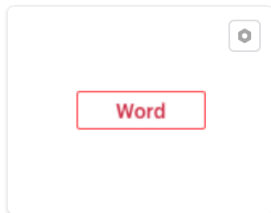
Secondary outline button



Tertiary outline button



Outline danger button



Primary outline danger button



Secondary outline danger button



Text and icon secondary button



Text and icon tertiary button



Press "/" to search...

INTRO

Intro

TOKENS

Welcome

to Storybook

COMPONENTS

Actions

Primary Button

default

Ghost Button

default

borderless

Split Button

basic

multiple menus

Toggle Button

default

selected

Toggle Button Group

Click me!

Knobs

Actions

CSS Resources

Accessibility



text

Click me!

size

medium



🔍 Press "/" to search...

INTRO

📖 Intro

TOKENS

📖 Welcome

🔗 to Storybook

COMPONENTS

📖 Actions

📖 Primary Button

🔗 default

📖 Ghost Button

🔗 default

🔗 borderless

📖 Split Button

🔗 basic

🔗 multiple menus

📖 Toggle Button

🔗 default

🔗 selected

📖 Toggle Button Group

🔗 single select

🔗 multiselect

Primary Button

Main, filled button style

Example Element Usage

```
<mode-ds-button text="Button"></mode-ds-button>
<mode-ds-button
  text="Button"
  size="small"
  color="alert"
  (clicked)="handleClick(event)"
></mode-ds-button>
```

Inputs

For available options for each input, view the knobs tab.

```
@Input() text: string;
@Input() size = 'medium';
@Input() color = 'default';
@Input() disabled = false;
```

Outputs

```
@Output() clicked: EventEmitter<MouseEvent> = new EventEmitter<MouseEvent>();
```



SOLVE ONE PROBLEM AT A TIME

COLORS

A SOLUTION TO ONE PROBLEM
(THAT MANY OF US HAD)



COLORS

- * Multiple color files
- * What are 2018 prefixed colors?

```
_colors-2018.scss ×
app > assets > stylesheets > application > _colors-2018.scss > ...
3  $_2018-blue-200: #85DAFF;
4  $_2018-blue-400: #4CAED9;
5  $_2018-blue-700: #007EA6;
6
7  $_2018-purple-light: #D9D3ED;
8  $_2018-purple-100: #8B7CCF;
9  $_2018-purple-300: #5346A5;
10 $_2018-purple-400: #3C318C;
11 $_2018-purple-500: #2C227C;
12 $_2018-purple-700: #070057;
13 $_2018-purple-dark: #191147;
14
15 $_2018-green-light: #D9F2E4;
16 $_2018-green-100: #9EE8B8;
17 $_2018-green-200: #6DE496;
18 $_2018-green-300: #52CC81;
19 $_2018-green-400: #37B067;
20
21 $_2018-yellow-light: #FFFDDE;
22
```

app > assets > stylesheets > application > _colors.scss > ...

```
1 @import 'colors-2018';
2
3 // Color scheme
4 $green-800: #1B8D56;
5 $green-700: #1F673C;
6 $green-600: #267B48;
7 $green-500t: #007E07;
8 $green-500: #2E9356;
9 $green-450: #3EAF6A;
10 $green-400: #37B067;
11 $green-300t: #00D655;
12 $green-300: #6DC590;
13 $green-200: #98D5B0;
14 $green-100: #B7E1C8;
15 $green-50: #F2FAF5;
16
17 $green: $green-400;
18
19 $gray-950: #191925;
20 $gray-920: #2B2B39; // for mode subway
21 $gray-900: #393945;
22 $gray-890: #393A4F; // for mode subway
23 $gray-850: #4D4F68;
24 $gray-800: #53535C;
25 $gray-700: #63656E;
26 $gray-650: #757783;
27 $gray-600: #B1B3BA;
28 $gray-500: #C9CAD1;
29 $gray-400: #D6D9DE;
```

app > assets > stylesheets > application > _colors-2018.scss > ...

```
3 $_2018-blue-200: #85DAFF;
4 $_2018-blue-400: #4CAED9;
5 $_2018-blue-700: #007EA6;
6
7 $_2018-purple-light: #D9D3ED;
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14
15 $_2018-green-light: #D9F2E4;
16 $_2018-green-100: #9EE8B8;
17 $_2018-green-200: #6DE496;
18 $_2018-green-300: #52CC81;
19 $_2018-green-400: #37B067;
20
21 $_2018-yellow-light: #FFFDDE;
22
```


EMPATHIZE IT!


```
33 /// Gray
34 $ds-gray-swatches: (
35   'gray-100': #f0f0f0,
36   'gray-200': #e0e0e0,
37   'gray-300': #d0d0d0,
38   'gray-400': #c0c0c0,
39   'gray-500': #b0b0b0,
40   'gray-600': #a0a0a0,
41   'gray-700': #909090,
42   'gray-800': #808080,
43   'gray-900': #707070,
44   'gray-1000': #606060,
45   'gray-1100': #505050,
46   'gray-1200': #404040,
47 );
48 $ds-gray-100: map-get($ds-gray-swatches, 'gray-100');
49 $ds-gray-200: map-get($ds-gray-swatches, 'gray-200');
50 $ds-gray-300: map-get($ds-gray-swatches, 'gray-300');
51 $ds-gray-400: map-get($ds-gray-swatches, 'gray-400');
52 $ds-gray-500: map-get($ds-gray-swatches, 'gray-500');
53 $ds-gray-600: map-get($ds-gray-swatches, 'gray-600');
54 $ds-gray-700: map-get($ds-gray-swatches, 'gray-700');
55 $ds-gray-800: map-get($ds-gray-swatches, 'gray-800');
56 $ds-gray-900: map-get($ds-gray-swatches, 'gray-900');
57 $ds-gray-1000: map-get($ds-gray-swatches, 'gray-1000');
58 $ds-gray-1100: map-get($ds-gray-swatches, 'gray-1100');
59 $ds-gray-1200: map-get($ds-gray-swatches, 'gray-1200');
60
61
62 /// Green color variants
63 $ds-green-swatches: (
```

Empathy for Whom?

- * All designers who might use colors
- * All engineers who might use colors
- * All content creators in marketing who might use colors



Other things we're working on

- * We have weekly meetings to discuss, update each other on progress, and update all other designers and engineers on changes
- * We started discussing a release process and cadence
- * We're considering where to store static assets
- * Anthony is running a design system survey

CONCLUSION!

“Do as I say not as I do.”

–John Selden

A cartoon character with spiky yellow hair, a worried expression, and a blue jacket with a glowing circular device on the chest. The character is standing in a doorway or hallway with a light blue background.

But, I'm not sure I can...

Source: Cartoon Hangover

USE EMPATHY

THINK ABOUT USERS, COLLABORATORS, COWORKERS

Loading Empathy...



Source: @salih

STILL SMALL?

DO AS SMALL COMPANIES DO!

Use empathy

- * Build what you need
 - * And what your team needs
- * Start a component library
 - * When the team has time or as a Working Group
- * Solve one problem at a time
 - * Preferably, a problem that affects lots of people!

Resources

- * Design Systems Book

<https://www.smashingmagazine.com/design-systems-book/>

- * An Intro to Design Systems

<https://www.youtube.com/watch?v=1wATzhRorxQ>

- * Distilling How We Think about Design Systems

<https://publication.design.systems/distilling-how-we-think-about-design-systems-b26432eefef9>

Resources

- * DSM by InVision

<https://mode.invisionapp.com/dsm/>

- * Storybook.js

<https://storybook.js.org/examples/>

- * UXPin

<https://www.uxpin.com/design-systems>



Source: Mauro Gatti

PROJECT

KTHXBAI

JENNIFER WONG

GITHUB

JENZOR

TWITTER

@MYBLUEWRISTBAND