

The following is a presentation to Yahoo Design about Airbnb's React-Sketchapp technology and my interpretation on its implications for advancing Yahoo Design culture and individual craft.

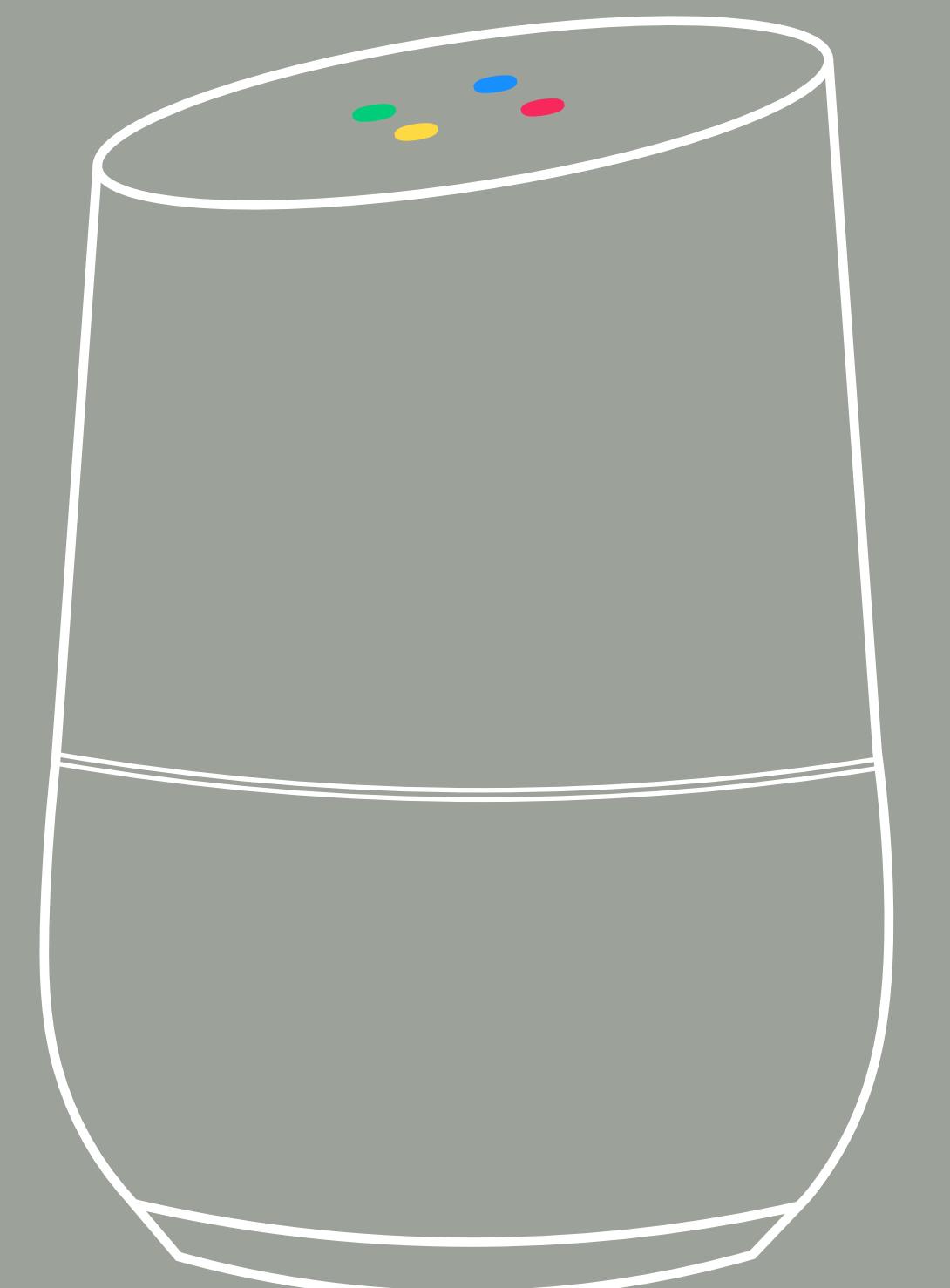
This deck was designed by Lawrence Go, who is a member of Yahoo Design Council. He and I both constructed the storyline, and I had presented this to Yahoo designers company wide.

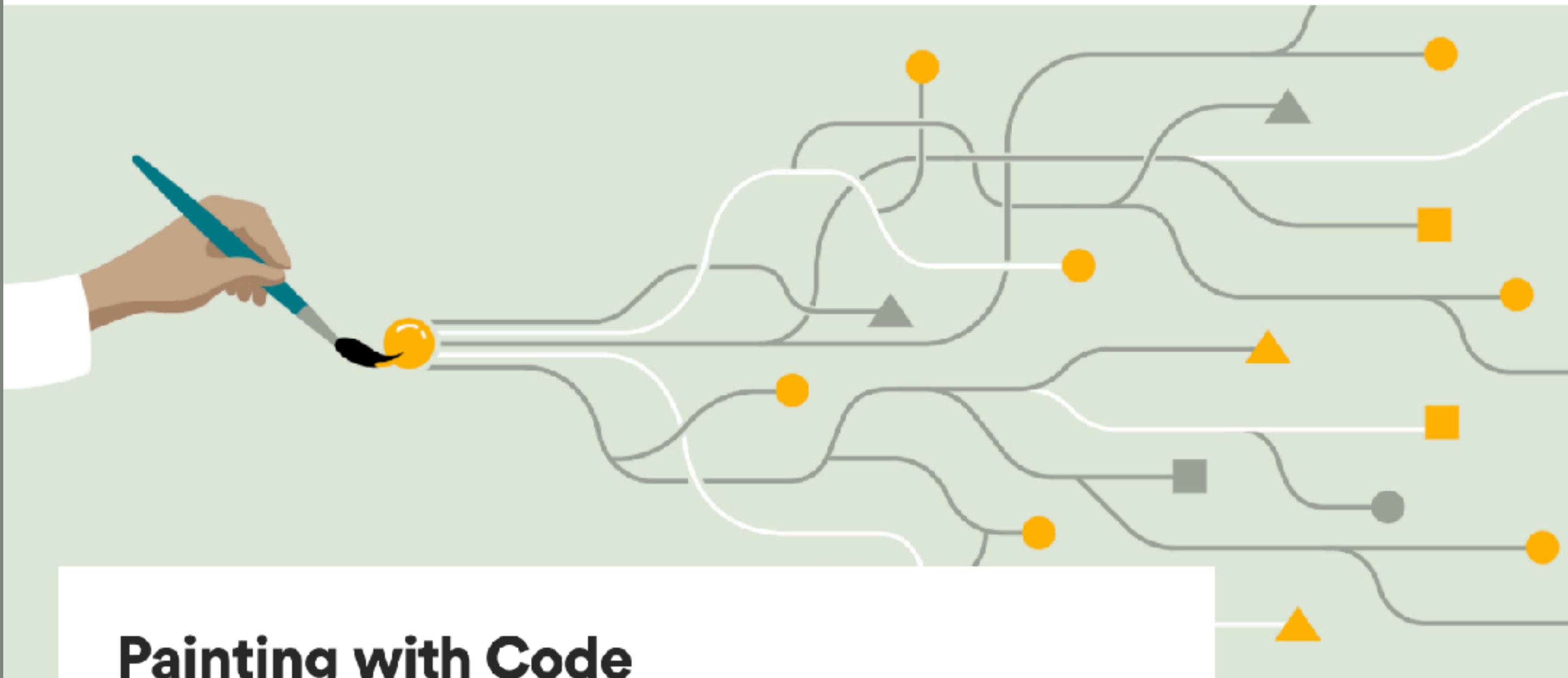


Learning from Airbnb's React-Sketchapp: Thoughts on Advancing Yahoo Design Culture

Lauren Tsung, Senior UX Designer

One day you will
do my bidding.





Painting with Code

Introducing our new open source library
React Sketch.app.

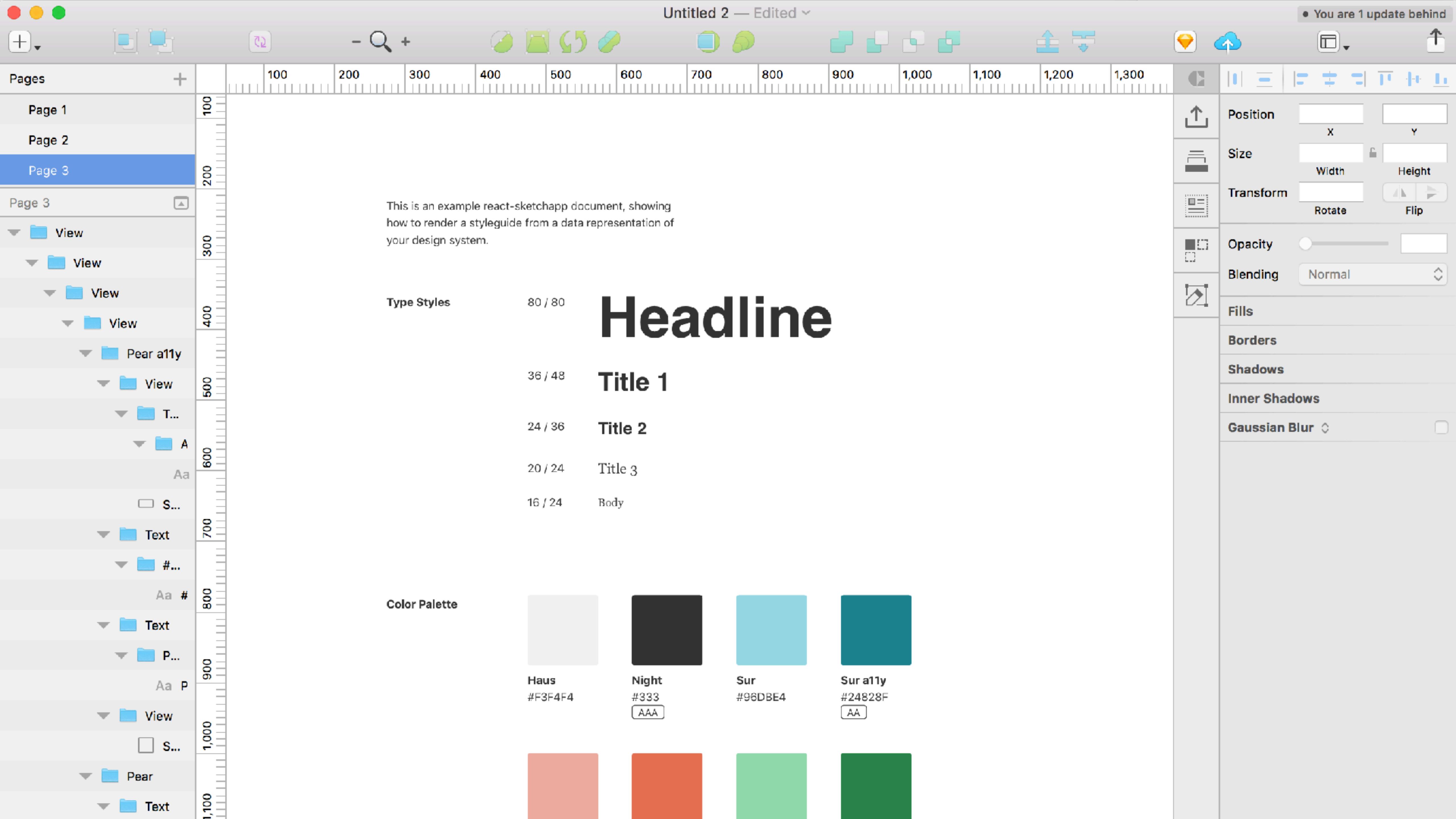
Behind the Scenes — Jon Gold

Today, we're excited to share a tool we built to help bridge the gap between designers and engineers working on design systems at scale. [React-sketchapp](#) is an open-source library that allows you to write React components that render to Sketch documents.

The image shows a digital workspace for creating a map-based document. At the top, there's a toolbar with various icons for file operations, search, and selection. Below the toolbar is a horizontal ruler with numerical markings from 100 to 800. On the left side, a sidebar titled "Pages" lists "Page 1" and "Page 2". A detailed "Artboard" panel on the right displays a map of San Francisco with several red location pins. Below the map, a list of five burger restaurant locations is displayed in a table format:

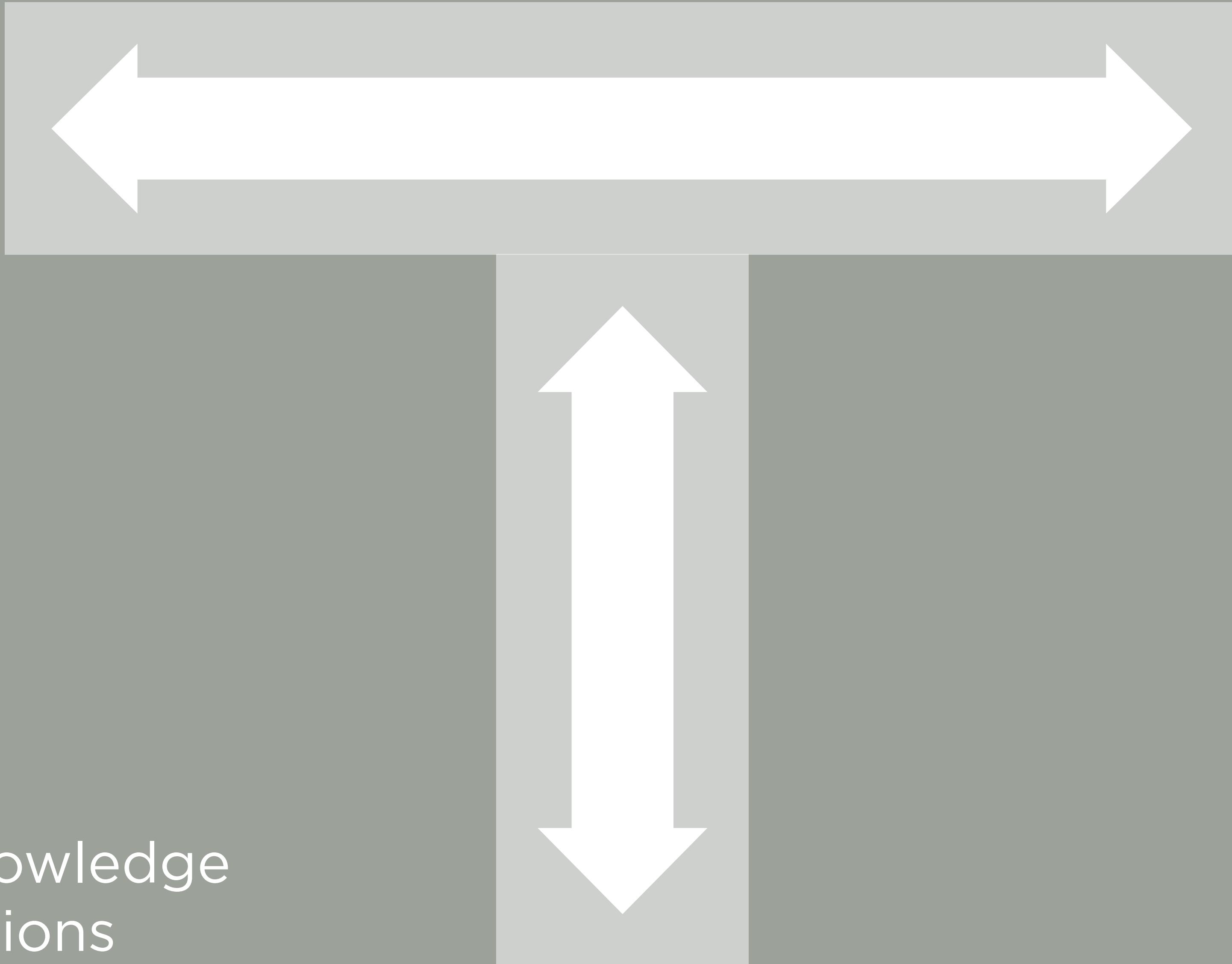
Restaurant	Address
In-N-Out Burger	333 Jefferson St
Burger King	819 Van Ness Avenue
In-N-Out Burger	260 Washington St
Burger King	35 Powell St
In-N-Out Burger	11 Rollins Rd
	Super Duper Burger

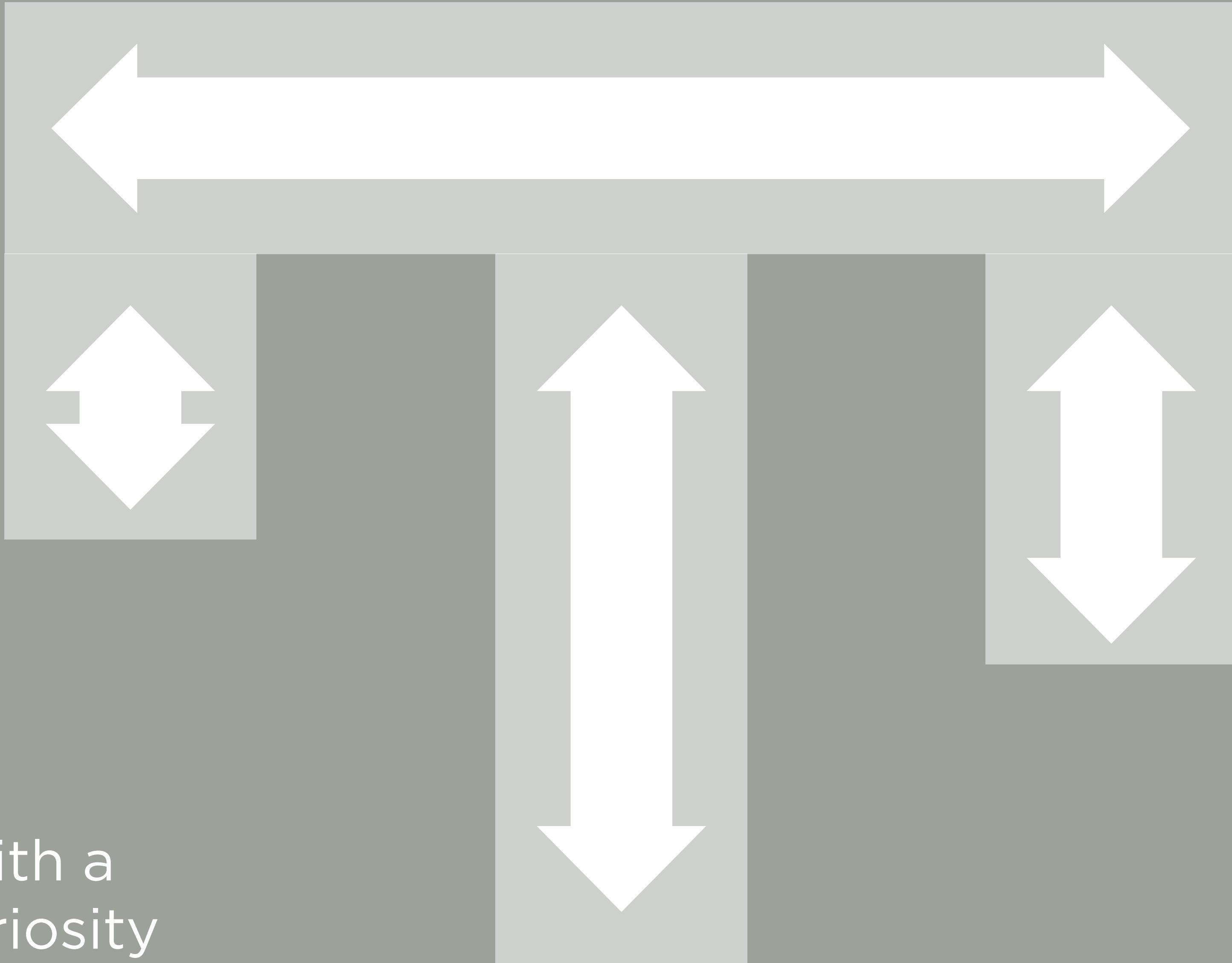
The right side of the interface features a "Properties" panel with tabs for "Position", "Size", "Transform", "Opacity", "Blending", "Fills", "Borders", "Shadows", and "Inner Shadows". The "Position" tab is currently active, showing fields for X and Y coordinates. The "Size" tab includes fields for Width and Height. The "Transform" tab includes fields for Rotate and Flip. The "Blending" tab is set to "Normal". The "Fills" tab includes color swatches for fill and stroke. The "Borders" tab includes settings for border width and color. The "Shadows" tab includes settings for shadow offset, blur, and spread. The "Inner Shadows" tab includes settings for inner shadow offset, blur, and spread. The "Gaussian Blur" tab includes a slider for blurring.



This is a 🎈 not a 💊

Today
Applying knowledge
across situations





Trend
Designers with a
technical curiosity



Heading

Sub-Headline

Adipiscing elit. Sed neque nisl, blandit vel ipsum eu, imperdiet blandit lectus. Morbi tristique urna ut volutpat ornare. Curabitur semper vitae urna ac tempus. Duis vehicula elit nulla, eleifend egestas nisl vehicula nec. Nullam varius est dui, nec accumsan lectus posuere ut. Nullam viverra purus laoreet euismod tempor.

Adipiscing elit. Sed neque nisl, blandit vel ipsum eu, imperdiet blandit lectus. Morbi tristique urna ut volutpat ornare. Curabitur semper vitae urna ac tempus. Duis vehicula elit nulla, eleifend.

Adipiscing elit. Sed neque nisl, blandit vel ipsum eu, imperdiet blandit lectus. Morbi tristique urna ut volutpat ornare* Curabitur semper vitae urna ac tempus.

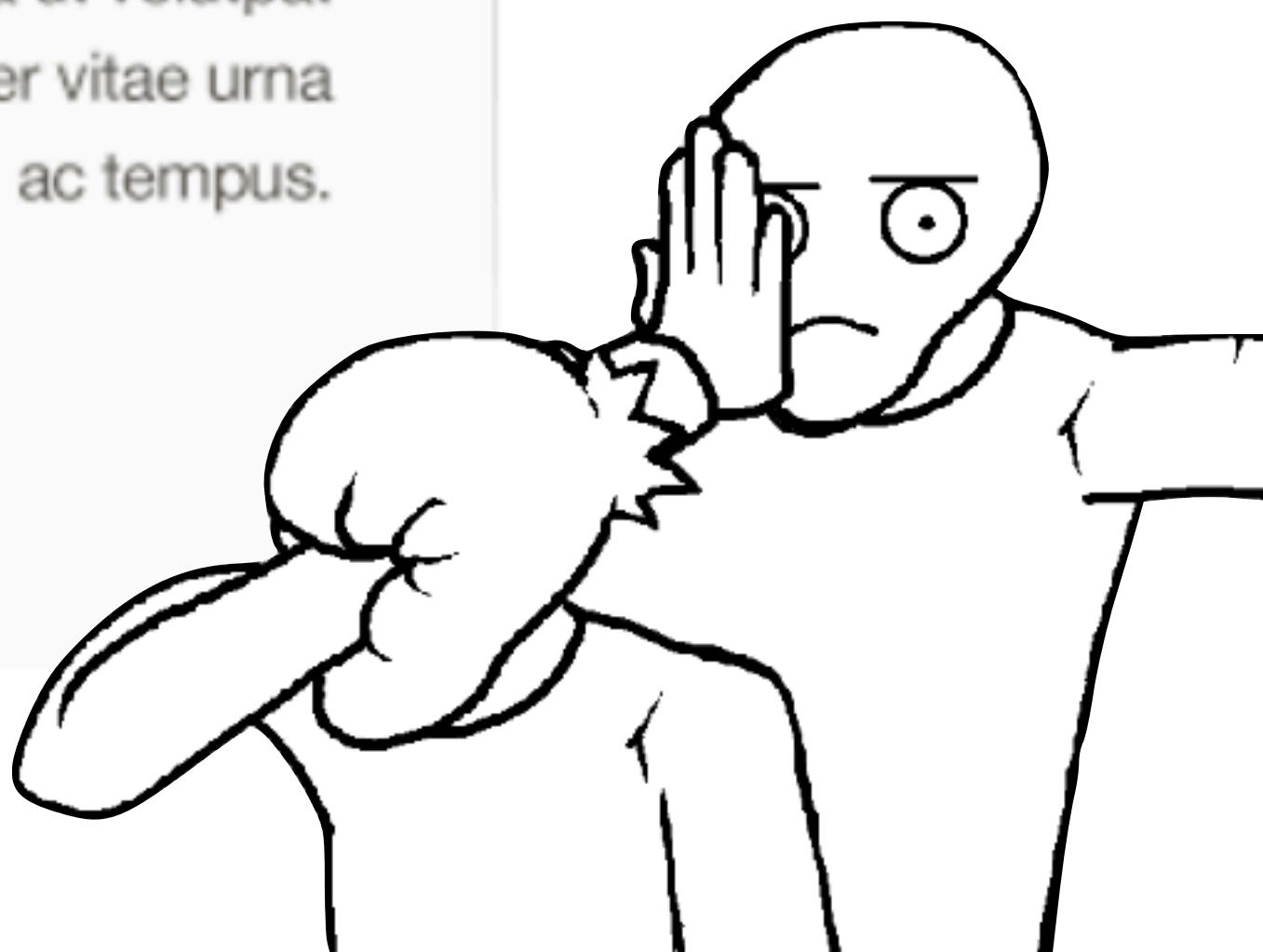


**ornare imperdiet blandit lectus.
Morbi tristique*

Continue

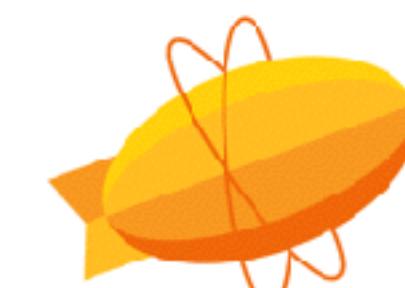
Adipiscing elit. Sed neque nisl, blandit vel ipsum eu, imperdiet blandit lectus.

Morbi tristique urna ut volutpat ornare. Curabitur semper vitae urna ac tempus.



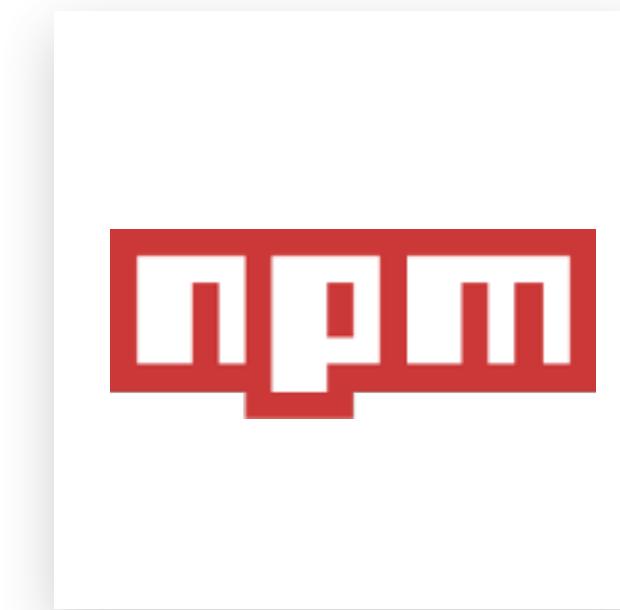
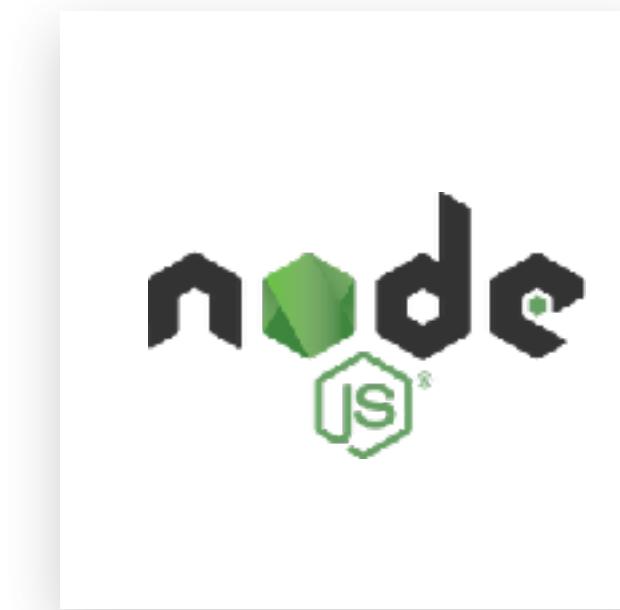
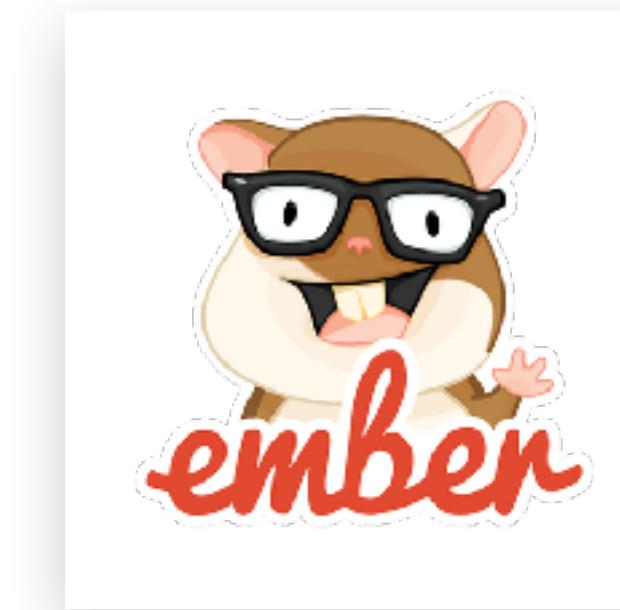
The image shows the Zeplin interface, a tool for creating design reviews. On the left, there's a screenshot of an iPad in landscape mode displaying the Hacker News mobile application. The main content of the screenshot is a news item about Twilio opening trading at \$23.99 per share. To the right of the screenshot is the Zeplin interface, which includes:

- A top navigation bar with tabs: CUSTOM, WEB, and JSON.
- A URL input field containing <https://news.ycombinator.com/>.
- A sidebar on the right with icons for layers, components, and assets.
- A preview window showing a blue logo with a white 'H'.
- A color palette titled "Colors" listing various colors with their hex and RGB values:
 - #darkPurple: rgb 75, 64, 151
 - #brightTurquoise: rgb 80, 210, 194
 - #lemonGreen: rgb 235, 255, 198
 - #purple: rgb 186, 119, 255
 - #radikalPink: rgb 255, 51, 192
 - #silverGray: rgba 188, 181, 185, %30
 - #white: rgb 255, 255, 255
- An "Assets" section with a user profile picture.
- A "Calendar" section showing a schedule for Wednesday, February 18, 2015, with events like "Design Meeting Hangouts" at 12 PM and "Lunch Break" at 1 PM.



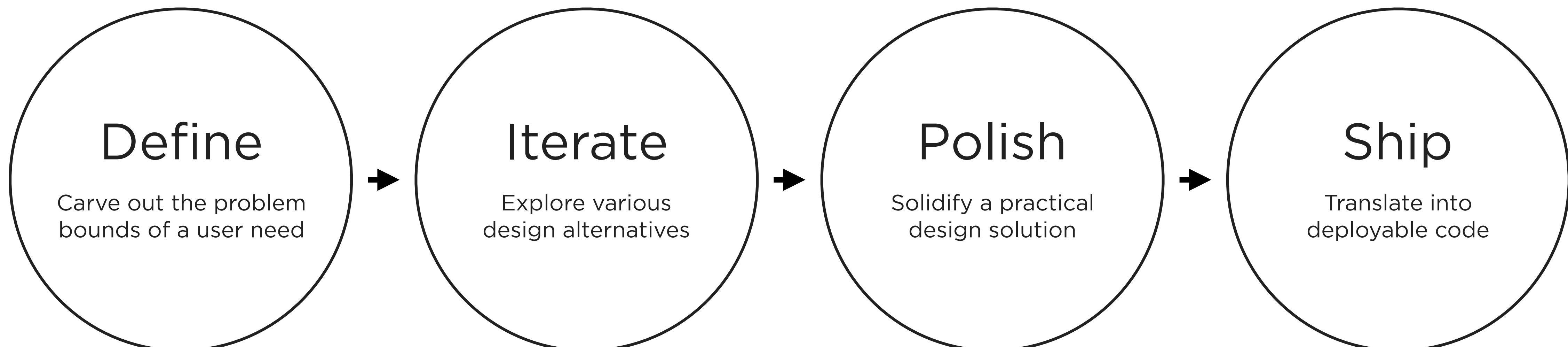
ZEPLIN

A Brief History in Tech



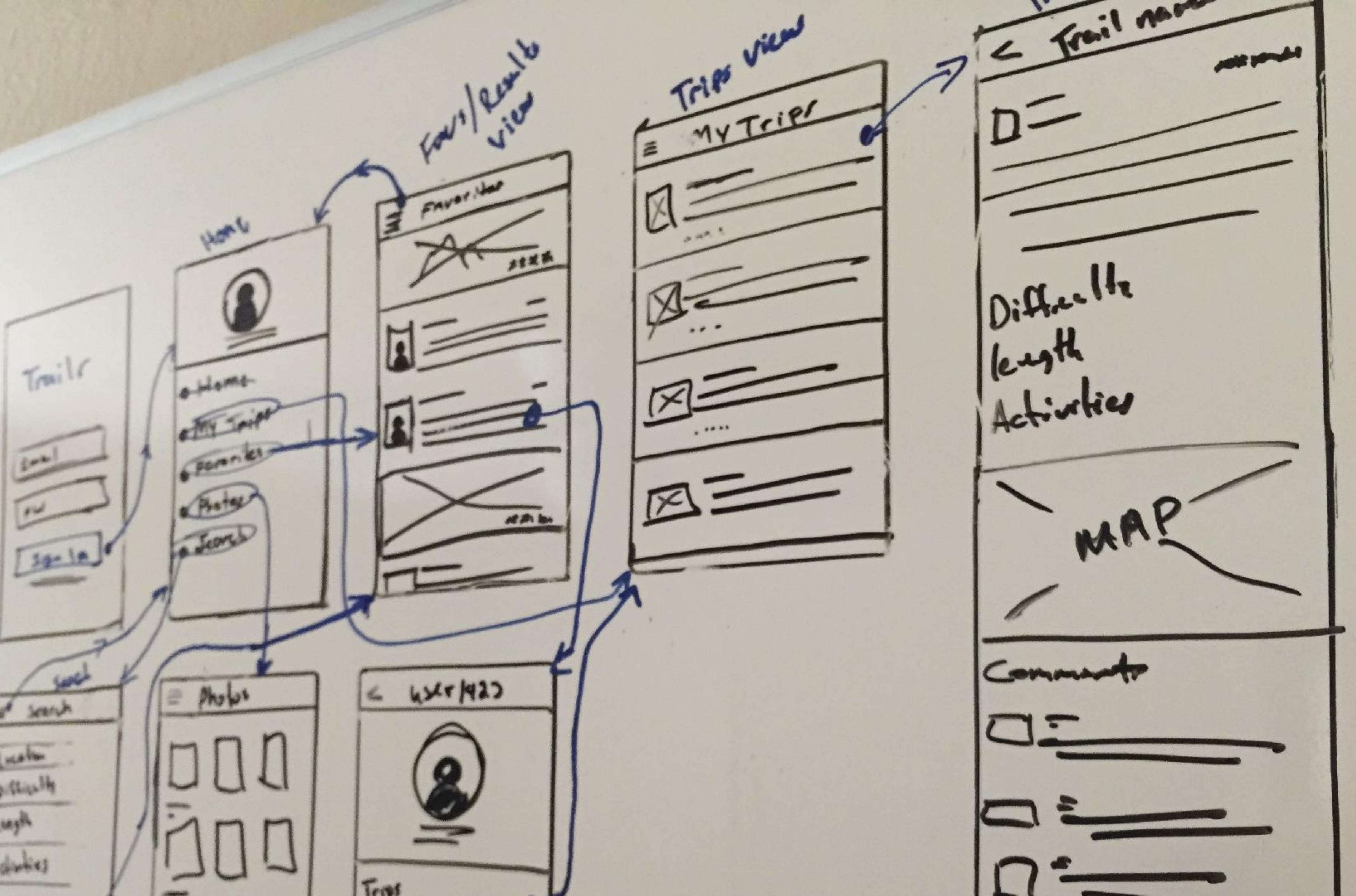


A Workflow Today



CRAFT: Provides real data

ZEPLIN: Streamlines design spec handoff



Shots.sketch

Page 1

followingshots

Scissors Edit Transform Rotate Flatten Mask Scale Union Subtract Intersect Difference Make Grid Rotate Copies Forward Backward Mirror

shot photo copy 3

bg

Shot Cell 4

Shot Cell 3

Shot Cell 2

@ListCell Shot Cell Example

background

ShotDetail

@TabBar Navigation

Animated

Animated

Debut

Debut

Popular

Popular

Following Active

Following

#barTintColor Bar

@NavBar ShotsNav

Back

Back Arrow

Shots

Fixie to.

Carl Salazar

Hella narwhal.

Tousled.

Janice Gomez

Fixie tote bag.

Keytar.

Brittany Phillips

Tousled food.

Hella na.

Harry Scott

Retro occupy or.

Synth po.

Olivia Jacobs

Keytar McSweeney.

Following

Popular

Debut

Animated

Back

Shot

A view from the

Sarah Rios

200 Views 32 Comm

Comments

Eugene Green

In hac habitasse platea dictumst fermentum quam volutpat aliquam

Following

Popular

Export

1x None PNG

Size Suffix Format

Export shot photo copy 3

Position X 34 Y 1017

Size Width 146 Height 146

Transform Rotate 0° Flip

Radius 0

No Shared Style

Opacity 100%

Blending Normal

Fills Fill Normal 100% Opacity

Borders Color Inside Position Thickness 1

Shadows

Inner Shadows

Gaussian Blur

Export

Size Suffix Format

Export shot photo copy 3

F Yahoo Design Language | FUJI

Color Web

What's New

Principles

Aesthetic

	Red 1A	Red 1B	Red 2A	Red 2B
R	240	220	255	255
G	22	20	77	51
B	47	45	82	58

Mood

	C	M	Y	K	C	M	Y	K
C	0%				0%			
M		100%				84%		
Y			88%				63%	
K				0%				0%

Color

	H	S	B	H	S	B	H	S	B
H	352°			351°			358°		
S		90%			90%			70%	
B			94%			86%			100%

Gradients

	PMS	C	U	PMS	C	U	PMS	C	U
PMS									
C	Red 032			1795			178		
U	Bright Red			Bright Red			Warm Red		

The Orb

Icons

Type

Components

Interaction

Accessibility

Downloads

#F80E5D

#E6004E

#C60646

#BE0067

Punch A

Punch B

Punch C

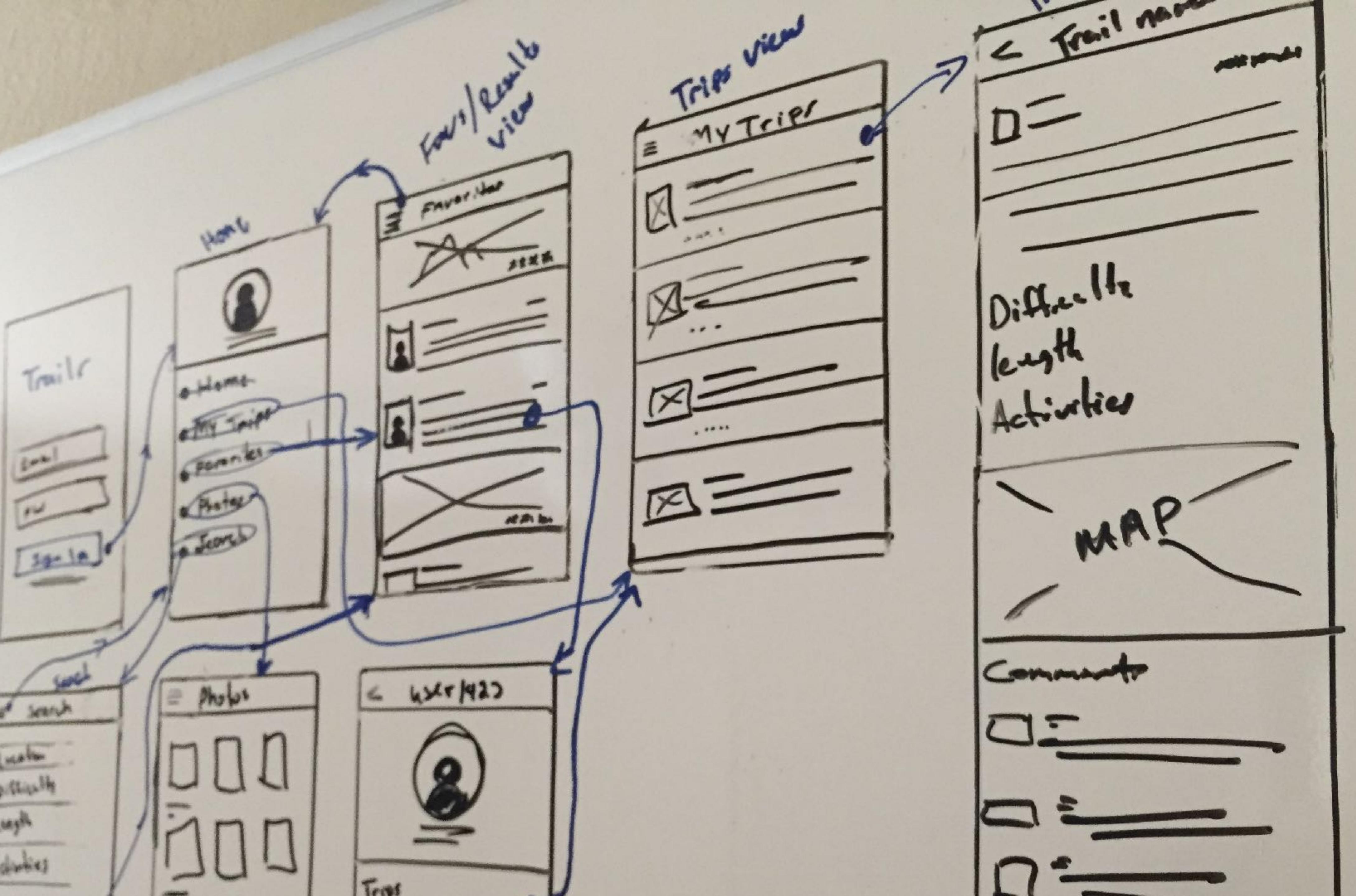
Ruby A

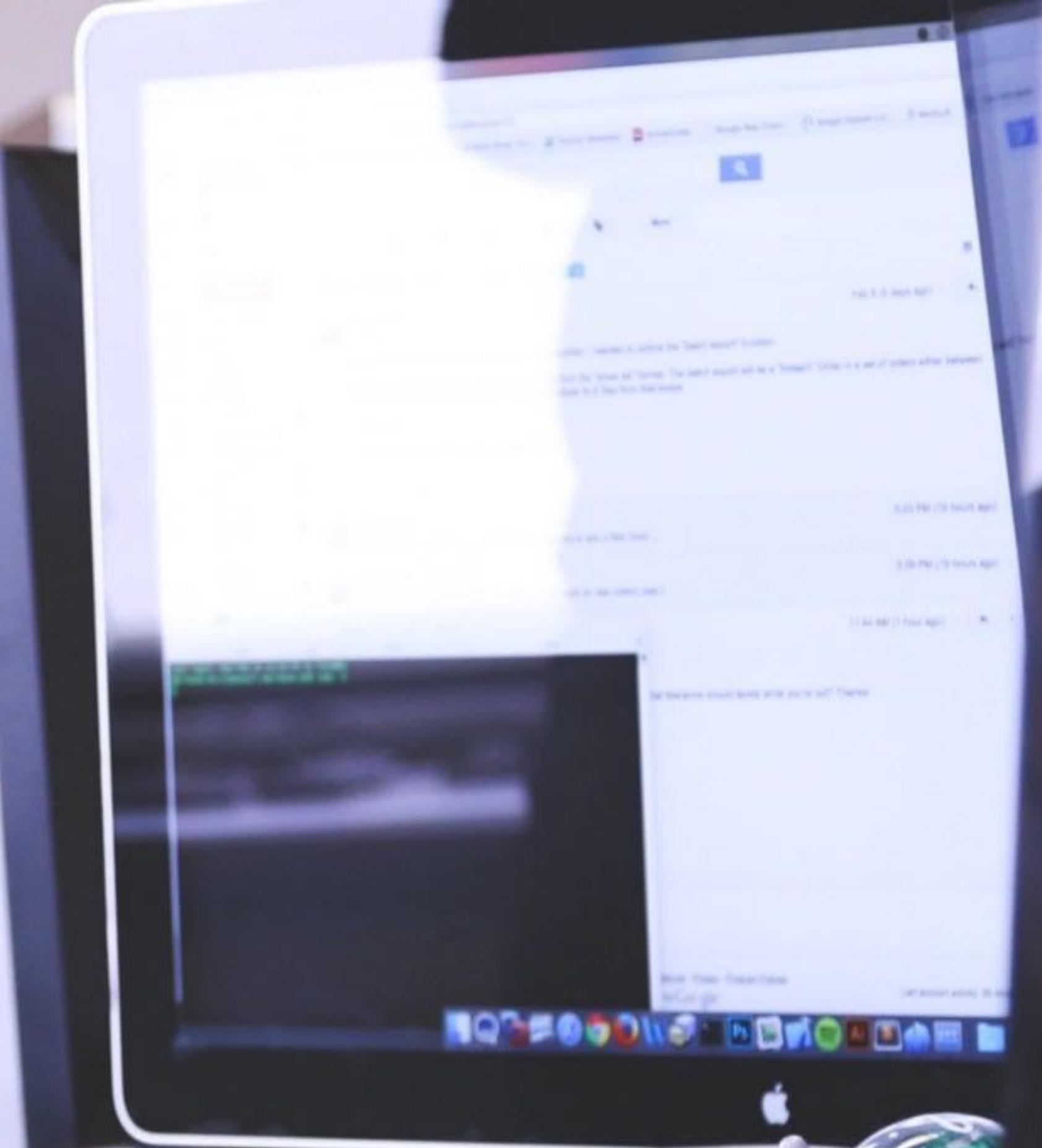
Get in touch



**Open
territory
later**







Untitled — Edited • You are 1 update behind

Insert Group Ungroup Create Symbol 59% Edit Transform Rotate Flatten Mask Scale Union Subtract Intersect Difference Forward Backward Mirror Cloud View Export

Pages + -100 0 100 200 300 400 500 600 700 800 900 1,000 1,100

Page 1

0 100 200 300 400 500 600 700 800 900 1,000 1,100

Example Design System

 Cherry Blossoms

The cherry blossoms are meaningful to the Japanese. The reason being that they have a very finite window for full blooming.

Purchase Tickets

www.cherryblossomfestival.com

 Ice Caves

Ice caves are very mystical. Over many centures waters are frozen and there are icicles that hang from the roof of the cave.

Position X Y

Size Width Height

Transform Rotate Flip

Opacity

Blending Normal

Fills

Borders

Shadows

Inner Shadows

Gaussian Blur

Aa

Image

Sh...

Shap...

Aa

Aa

The image shows a dual-screen setup. On the left, the Sketch application is open, displaying a wireframe of a mobile application interface. The interface includes sections for 'Ice Caves' and 'Sunset Bridge', each with a title, a large image, and a 'Purchase Tickets' button. On the right, the Atom IDE is open, showing the file `designSystem.js`. This file defines a color palette, font sizes, and spacing constants, and also contains code for font families and weights.

`designSystem.js` content:

```
1 export const colors = {  
2   White: '#FFF',  
3   Haus: '#F3F4F4',  
4   Night: '#676',  
5   Sur: '#96DBE4',  
6   'Sur a11y': '#24828F',  
7   Peach: '#EFADA0',  
8   'Peach a11y': '#E37059',  
9   Pear: '#93DAAB',  
10  'Pear a11y': '#2E854B',  
11  Blue: '#3399FF',  
12  Shadow: '#EAEAEA'  
13};  
14  
15 const typeSizes = [80, 48, 36, 24, 20, 16];  
16  
17 export const spacing = 20;  
18 export const mini_spacing = 12;  
19  
20  
21 const fontFamilies = {  
22   display: 'Helvetica Neue',  
23   body: 'Helvetica Neue',  
24 };  
25  
26 const fontWeights = {  
27   regular: 'regular',  
28   bold: 'bold',  
29 };  
30  
31 export const fonts = {
```

The Sketch interface shows three cards on the canvas:

- Japanese:** Text: "Japanese. The reason being that they have a very finite window for full blooming." with a "Purchase Tickets" button and link "www.cherryblossomfestival.com".
- Ice Caves:** Image of icebergs, Text: "Ice caves are very mystical. Over many centuries, waters are frozen and there are icicles that hang from the roof of the cave.", with a "Purchase Tickets" button and link "www.besticecaves.com".
- Sunset Bridge:** Image of a bridge at sunset, Text: "There is something magical about the sunset bridge, especially when the light is contrasting Orange mixed with purples.", with a "Purchase Tickets" button.

The sidebar on the left lists various components and assets.

The Atom code editor displays the `Card.js` file from the `example` directory:

```
designSystem.js | Card.js | MiniCard.js
27 color: colors['Night'],
28 padding: spacing,
29 lineHeight: fonts.Body.LineHeight
30 },
31 link: {
32   color: colors['Peach'],
33   padding: spacing
34 },
35 /**
36  * backgroundColor: colors['Peach'],
37  * borderColor: colors['Peach'],
38  * color: colors['White']
39 */
40 /**
41  * cta: {
42    borderRadius: 4,
43    borderWidth: 2,
44    marginLeft: spacing,
45    marginRight: spacing,
46    textAlign: 'center',
47    padding: 10,
48    fontSize: 16,
49    backgroundColor: colors['White'],
50    borderColor: colors['Blue'],
51    color: colors['Blue']
52  }
53 });
54
55 type CardP = {
56   user: User,
57 }
```

Insert Group Ungroup Create Symbol

Pages

Page 1

Page 1

View

- View
- View
- View
- Text
- Text
- Image
- Shape
- View
- View
- Text
- Icon

Aa

- 59% +

- +

Ice caves are very mystical. Over many centuries, waters are frozen and there are icicles that hang from the roof of the cave.

Purchase Tickets

www.besticecaves.com

Sunset Bridge

There is something magical about the sunset bridge, especially when the light is contrasting orange mixed with purples.

Purchase Tickets

www.californiabridges.com

Cherry Blossoms

Ice Caves

Card.js — ~/Documents/Projects/ReactSketch/Repo/home_examples/example

example

designSystem.js Card.js MiniCard.js

node_modules profile-cards.sketchplugin src

components

.DS_Store Card.js MiniCard.js Space.js

.DS_Store designSystem.js main.js manifest.json types.js

.flowconfig package.json README.md

```
27   color: colors['Night'],
28   padding: spacing,
29   lineHeight: fonts.Body.LineHeight
30 },
31 link: {
32   color: colors['Peach'],
33   padding: spacing
34 },
35 /**
36  * backgroundColor: colors['Peach'],
37  * borderColor: colors['Peach'],
38  * color: colors['White']
39 */
40
41 cta: {
42   borderRadius: 4,
43   borderWidth: 2,
44   marginLeft: spacing,
45   marginRight: spacing,
46   textAlign: 'center',
47   padding: 10,
48   fontSize: 16,
49   backgroundColor: colors['Peach'],
50   borderColor: colors['Peach'],
51   color: colors['White']
52 }
53 );
54
55 type CardP = {
56   user: User,
57 }
```

<https://ydesignproto.corp.yahoo.com/fuji/app/color.html>

FUJI

Color

What's New

Principles

Aesthetic

Mood

Color

Gradients

The Orb

Icons

Type

Components

Interaction

Accessibility

Downloads

Get in touch

Red 1A Red 1B Red 2A Red 2B

R: 240 G: 22 B: 47	R: 220 G: 20 B: 45	R: 255 G: 77 B: 82	R: 255 G: 51 B: 58
C: 0% M: 100% Y: 88% K: 0%	C: 7% M: 100% Y: 92% K: 1%	C: 0% M: 84% Y: 63% K: 0%	C: 0% M: 92% Y: 77% K: 0%
H: 352° S: 90% B: 94%	H: 351° S: 90% B: 86%	H: 358° S: 70% B: 100%	H: 357° S: 80% B: 100%
PMS C: Red 032 U: Bright Red	PMS C: 1795 U: Bright Red	PMS C: 178 U: Warm Red	PMS C: Red 032 U: 805

Punch A Punch B Punch C Ruby A

#F80E5D #E6004E #C80646 #BE0067

<https://git.corp.yahoo.com/ypt/fuji>

ypt / fuji

Code Issues Pull requests Projects Wiki Pulse Graphs

We are experiencing intermittent I/O issues on git.corp. Please visit this [JIVE post](#) for details.

382 commits 1 branch 77 releases 16 contributors

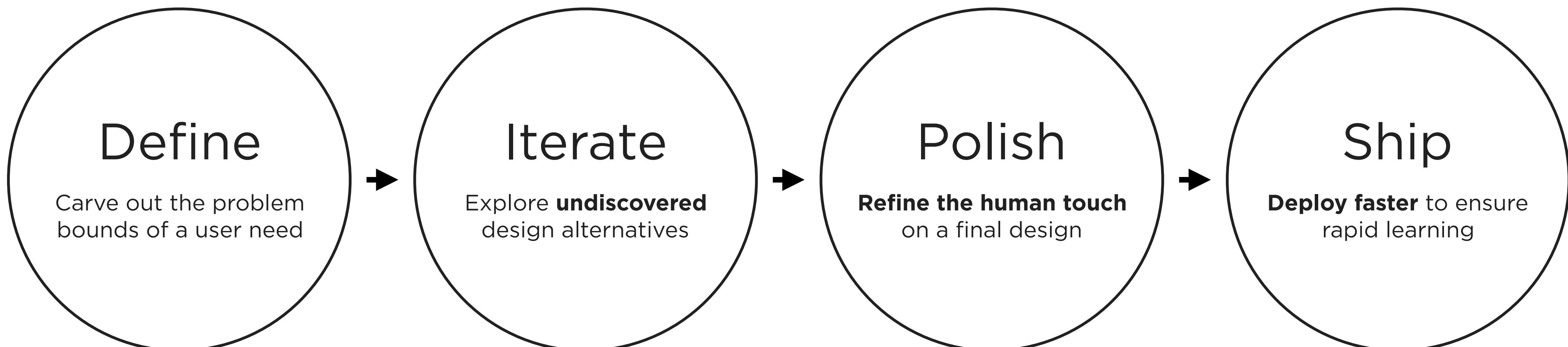
Branch: master New pull request Create new file Upload files Find file Clone or download

by-screwdriver Update version to 0.1.22 by screwdriver:37388:component:node6:107 Latest commit [@1000ae](#) 4 days ago

- css4 Revert "reverting from bad merge commit" 2 months ago
- dist Further cleanup of old stuff we no longer need in this repo. trying t... 2 months ago
- img Updated the "TAP_TO_TOP" icon 4 days ago
- jss Revert "reverting from bad merge commit" 2 months ago
- less Revert "reverting from bad merge commit" 2 months ago
- sandbox Revert "reverting from bad merge commit" 2 months ago
- src Cleaning up Fuji 7 months ago
- test Cleaning up Fuji 7 months ago
- tmp/tap_reports moving reports to tmp 2 years ago



The Scalable Workflow



REACT-SKETCHAPP: Provides real data and enforces consistent design language

Getting Comfy With Code

Pick up HTML and CSS. “Inspect” your favorite websites.

Getting Comfy With Code

Pick up HTML and CSS. “Inspect” your favorite websites.

Ask engineers about walking you through their workflow.

Getting Comfy With Code

Pick up HTML and CSS. “Inspect” your favorite websites.

Ask engineers about walking you through their workflow.

Pick up JavaScript. Or its cleaner version CoffeeScript.

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Believer. Product Designer and Prototyper @yahoo. Food Afficionado. Maker and experimenter.

May 31 · 5 min read

Thoughts on Advancing Design Culture through Technology

The screenshot shows a dual-pane interface. On the left, the Sketch application is open with two pages: 'Ice Caves' and 'Sunset Bridge'. The 'Ice Caves' page contains a text block about ice caves, a 'Purchase Tickets' button, and a URL 'www.besticecaves.com'. The 'Sunset Bridge' page contains a text block about a sunset bridge, a 'Purchase Tickets' button, and a URL 'www.californiabridges.com'. On the right, a file browser shows a directory structure for a ReactSketch project, and a code editor displays the contents of 'designSystem.js'. The code defines color palettes, type sizes, spacing, and font families.

```
designSystem.js — ~/Documents/Projects/ReactSketch/Repo/home_examples/example
```

```
export const colors = {  
  White: '#FFF',  
  Haus: '#F3F4F4',  
  Night: '#676',  
  Sur: '#96DBE4',  
  'Sur ally': '#24828F',  
  Peach: '#EFADA0',  
  'Peach ally': '#E37059',  
  Pear: '#93DAAB',  
  'Pear ally': '#2E854B',  
  Blue: '#3399FF',  
  Shadow: '#EAEAEA'  
};  
  
const typeSizes = [80, 48, 36, 24, 20, 16];  
  
export const spacing = 20;  
export const mini_spacing = 12;  
  
const fontFamilies = {  
  display: 'Helvetica Neue',  
  body: 'Helvetica Neue',  
};
```