

Design Systems and Front-End Architecture





Horse Design Systems

@horse_designsys

Follow



It just feels like everyone is screaming the words “Design System” and won’t stop

8:42 am - 1 May 2019

134 Retweets **881** Likes



22



134

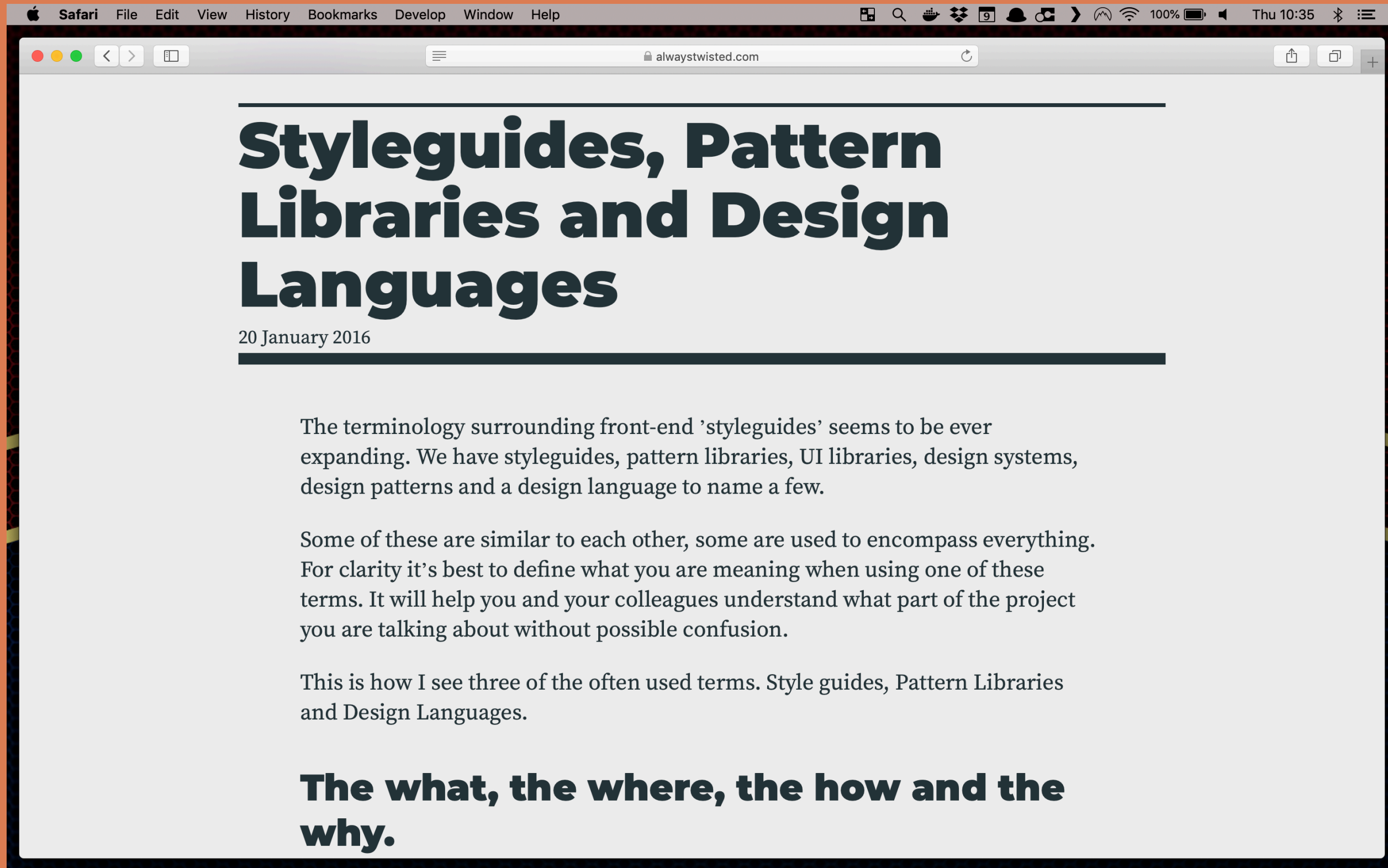


881

What we are going to discuss today:

1. What is a Design System?
2. Do we need one?
3. Where should we start?
4. What makes a component?
5. How do we maintain it?

What is a Design System?



Styleguides, Pattern Libraries and Design Languages

20 January 2016

The terminology surrounding front-end 'styleguides' seems to be ever expanding. We have styleguides, pattern libraries, UI libraries, design systems, design patterns and a design language to name a few.

Some of these are similar to each other, some are used to encompass everything. For clarity it's best to define what you are meaning when using one of these terms. It will help you and your colleagues understand what part of the project you are talking about without possible confusion.

This is how I see three of the often used terms. Style guides, Pattern Libraries and Design Languages.

The what, the where, the how and the why.

Pattern Library

Pattern Library Style Guide

Pattern Library Style Guide Design Language

A Design System contains:

the ***who***, ***what***, ***where***, ***when***, ***why*** and ***how*** of a product

Pattern Library

The Who, The What.

Style Guide

The How, Where, and When.

Design Language

The Why.

A Venn diagram illustrating the relationship between three design-related concepts: Design Language, Styleguide, and Pattern Library. The diagram consists of three overlapping circles. The top circle is orange and labeled 'Design Language'. The bottom-left circle is blue and labeled 'Styleguide'. The bottom-right circle is purple and labeled 'Pattern Library'. The central area where all three circles overlap is a darker brownish-purple and is labeled 'Design System'. The intersections of two circles are shaded in darker tones of the respective circle colors.

Design Language

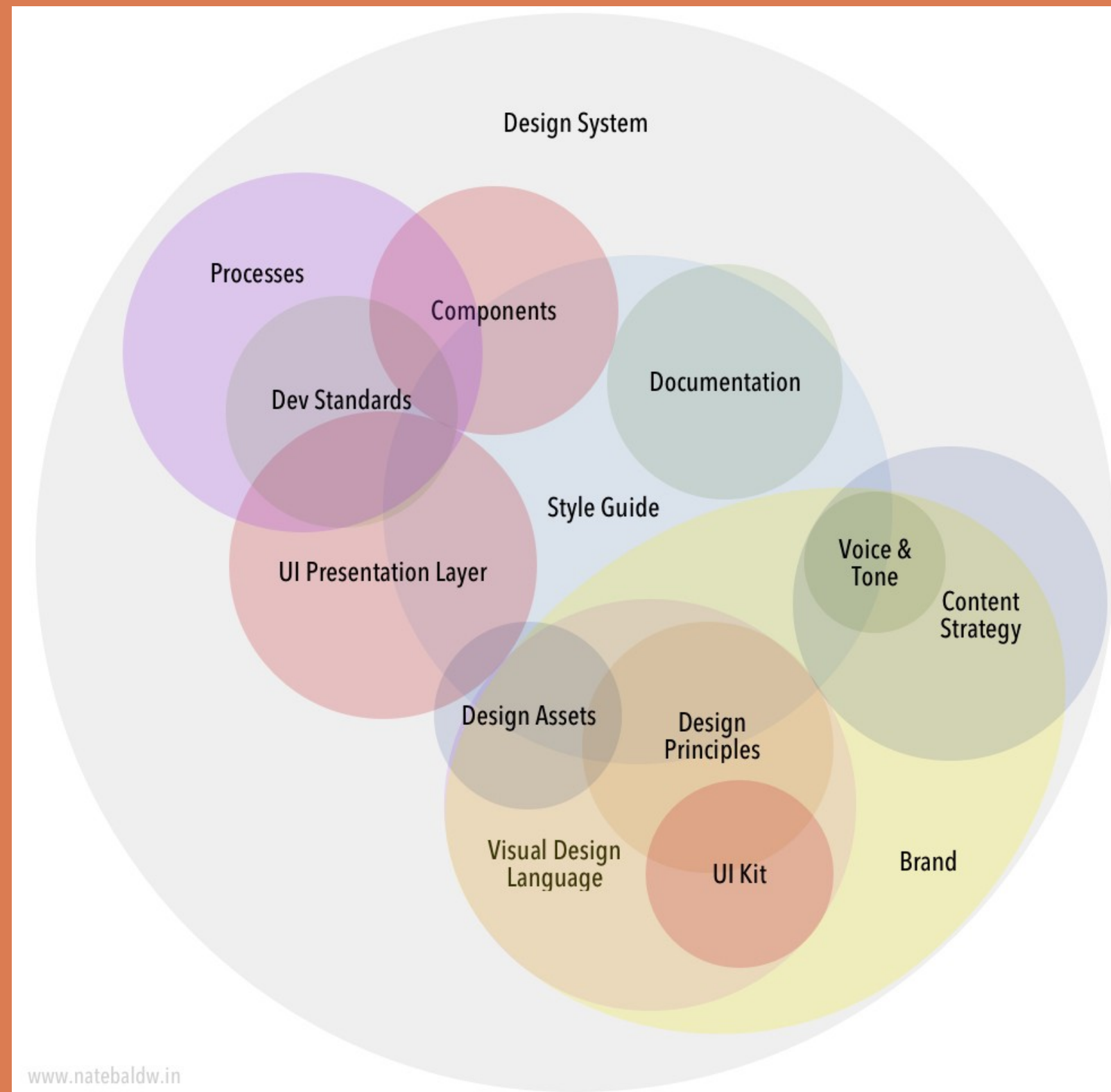
Design System

Styleguide

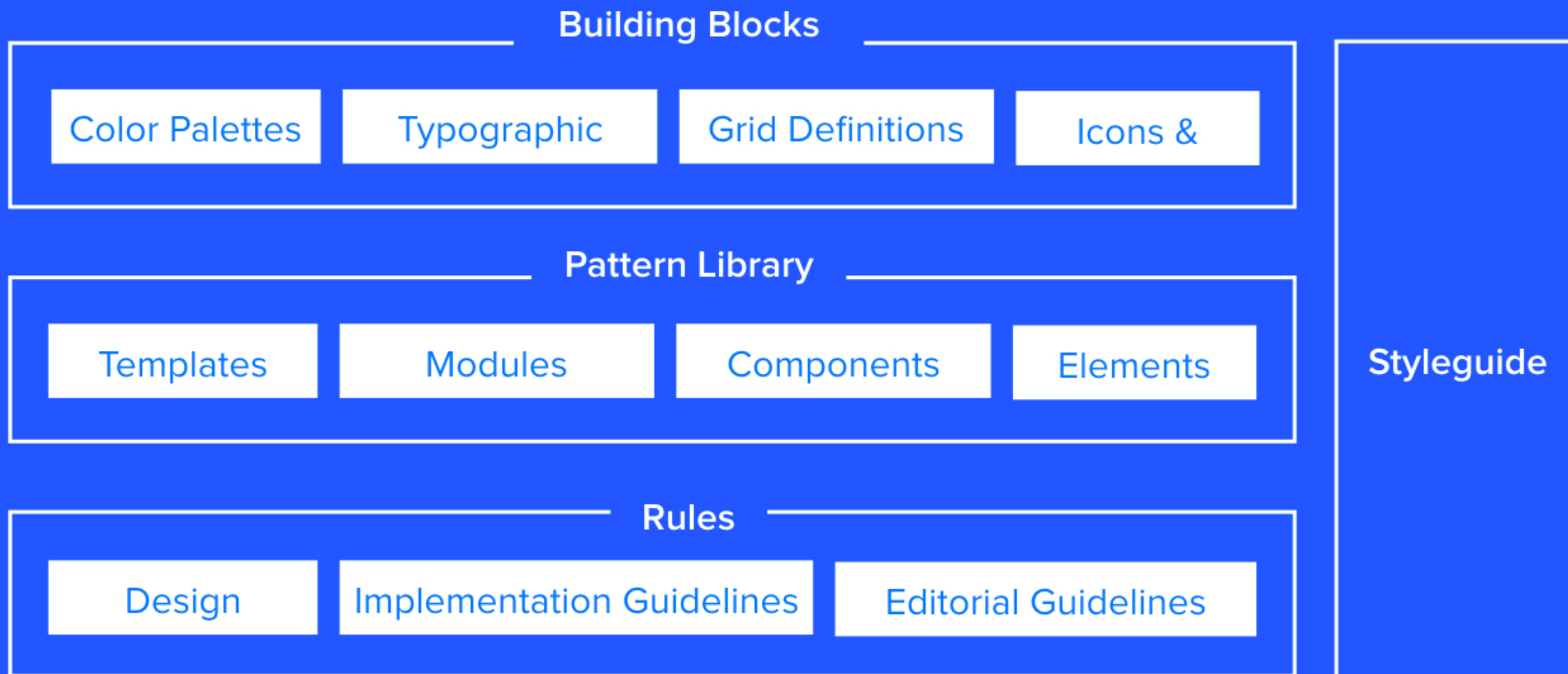
Pattern Library

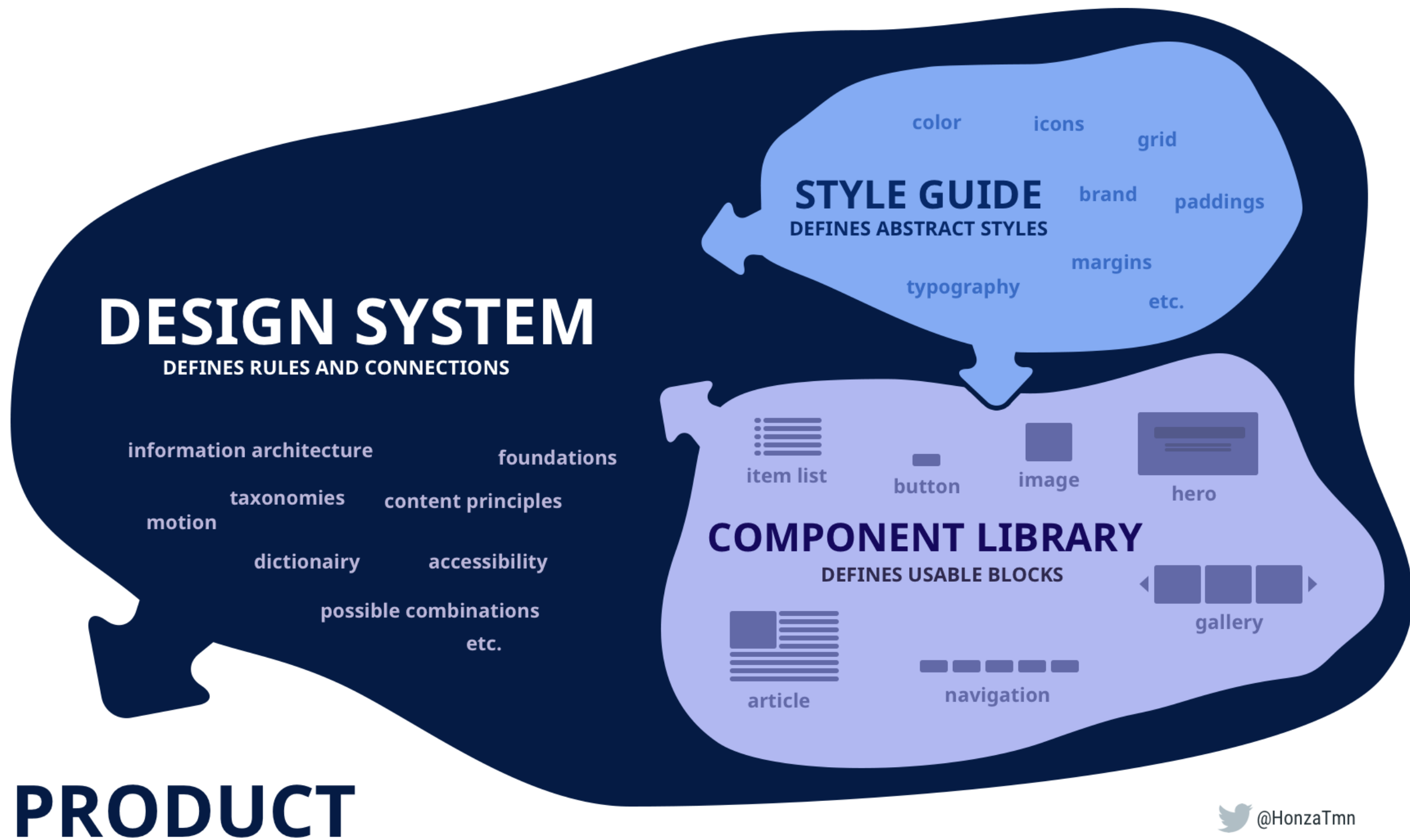
That's a basic take.

What else could be in a Design System?

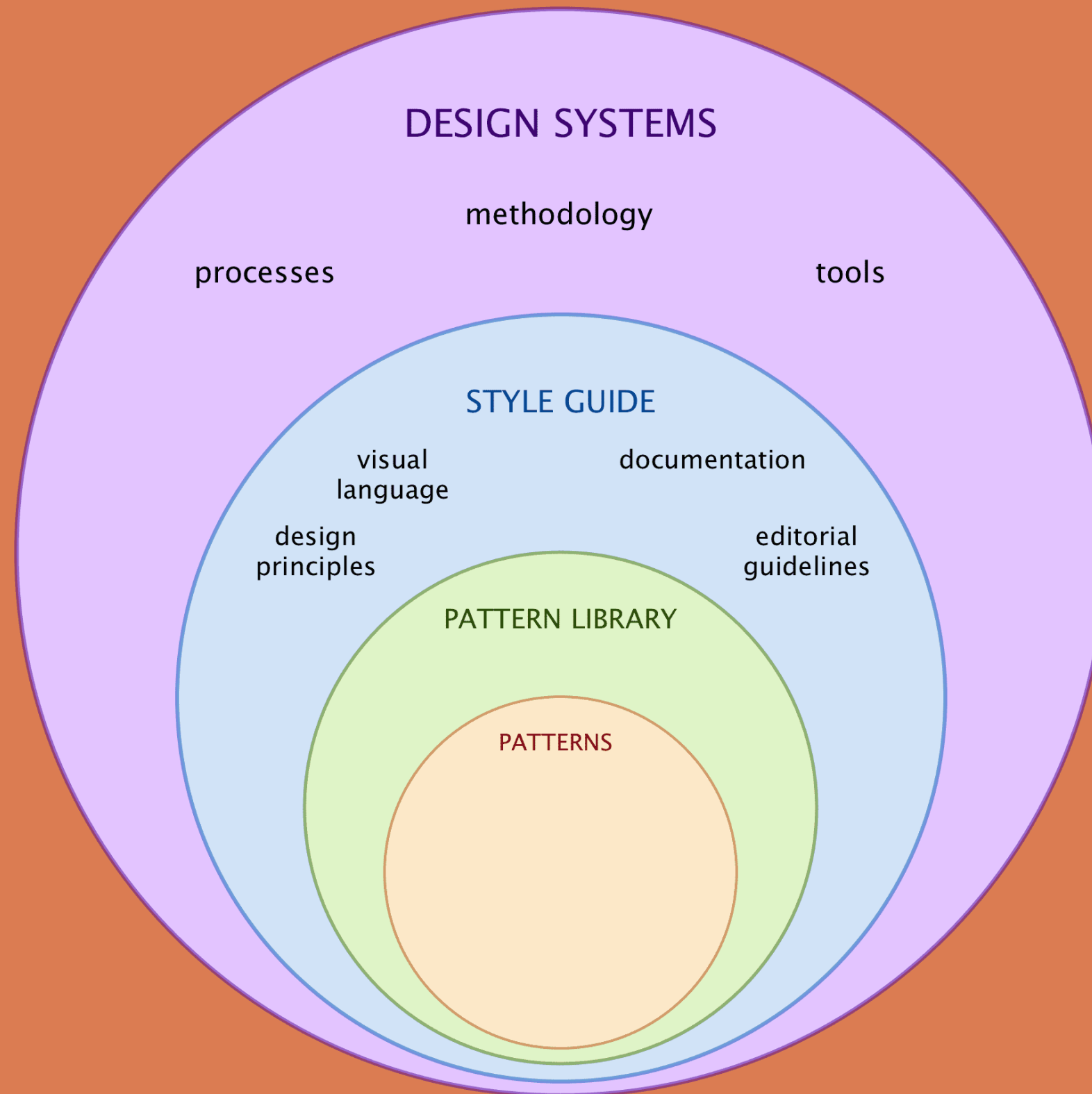


The Structure of a Design System





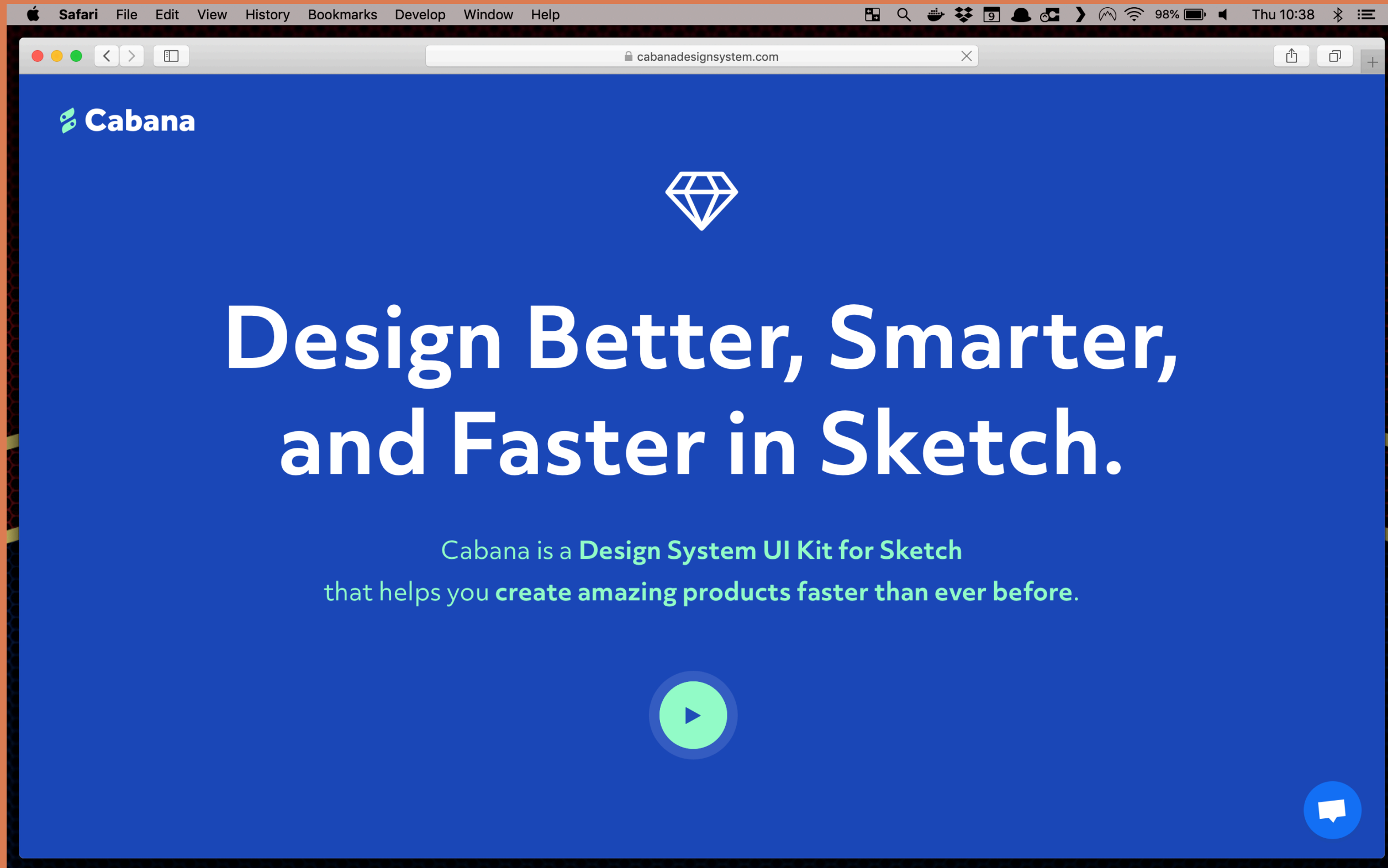
 @HonzaTmn



“

There isn't a standard definition of 'design system' within the web community, and people use the term in different ways — sometimes interchangeably with 'style guides' and 'pattern libraries'.

— Alla Kholmatova | @craftui



SafariFileEditViewHistoryBookmarksDevelopWindowHelp

ant.design

Ant Design

Search in ant.design

HomeGuidelinesComponentsEcosystem3.17.0中文

Ant Design of React

Getting Started

Real project with umi and dva

Use in create-react-app

Use in TypeScript

Customize Theme

Change Log

Third-Party Libraries

Internationalization

FAQ

Contributing

Components

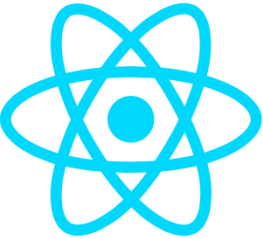

General

Button

Icon

Ant Design of React

Following the Ant Design specification, we developed a React UI library `antd` that contains a set of high quality components and demos for building rich, interactive user interfaces.



Features

- An enterprise-class UI design language for web applications.
- A set of high-quality React components out of the box.
- Written in TypeScript with complete defined types.
- The whole package of development and design resources and tools.

Environment Support

- Modern browsers and Internet Explorer 9+ (with [polyfills](#))
- Server-side Rendering
- [Electron](#)

Features

Environment S...

Version

Installation

Usage

Links

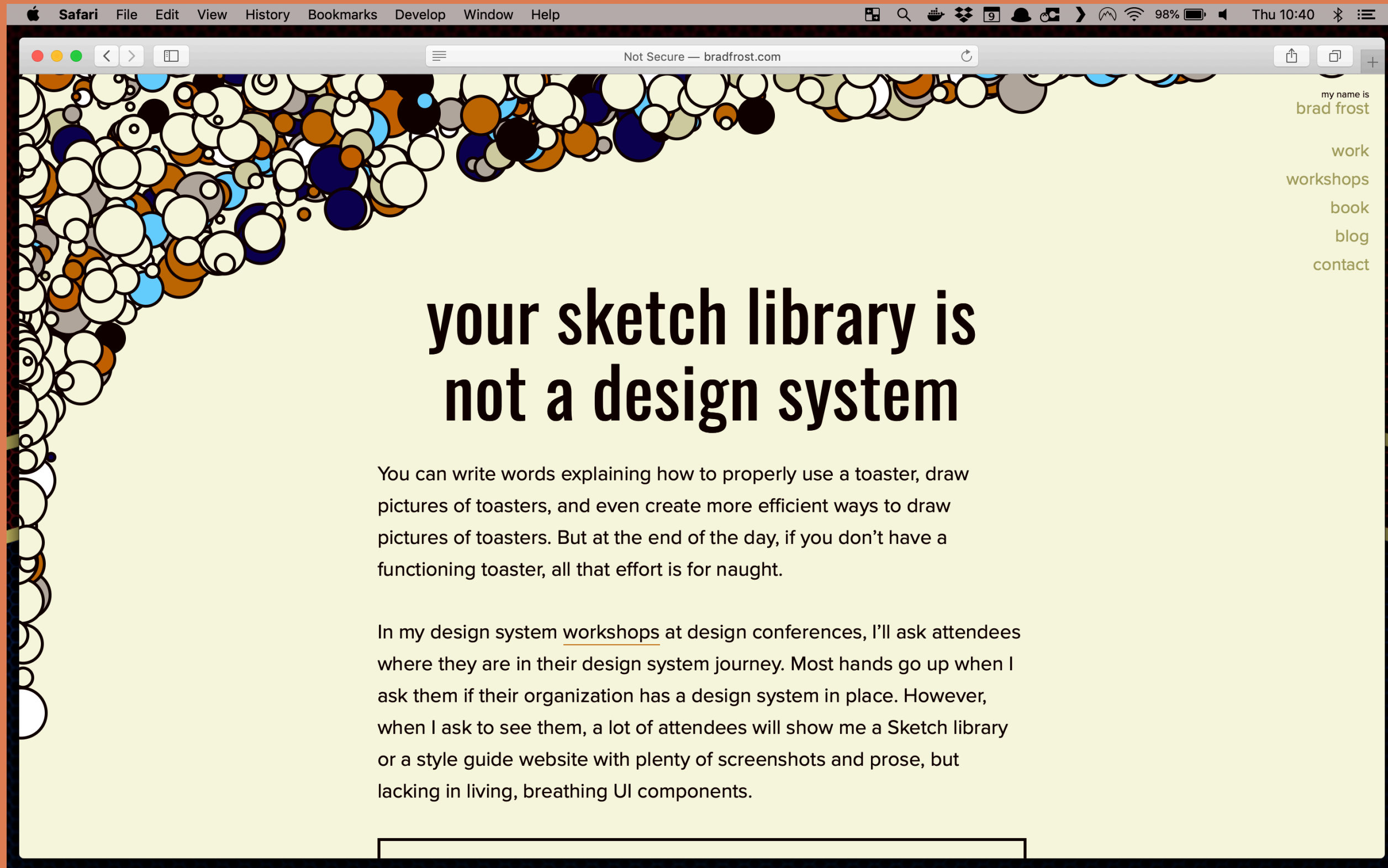
Companies usi...

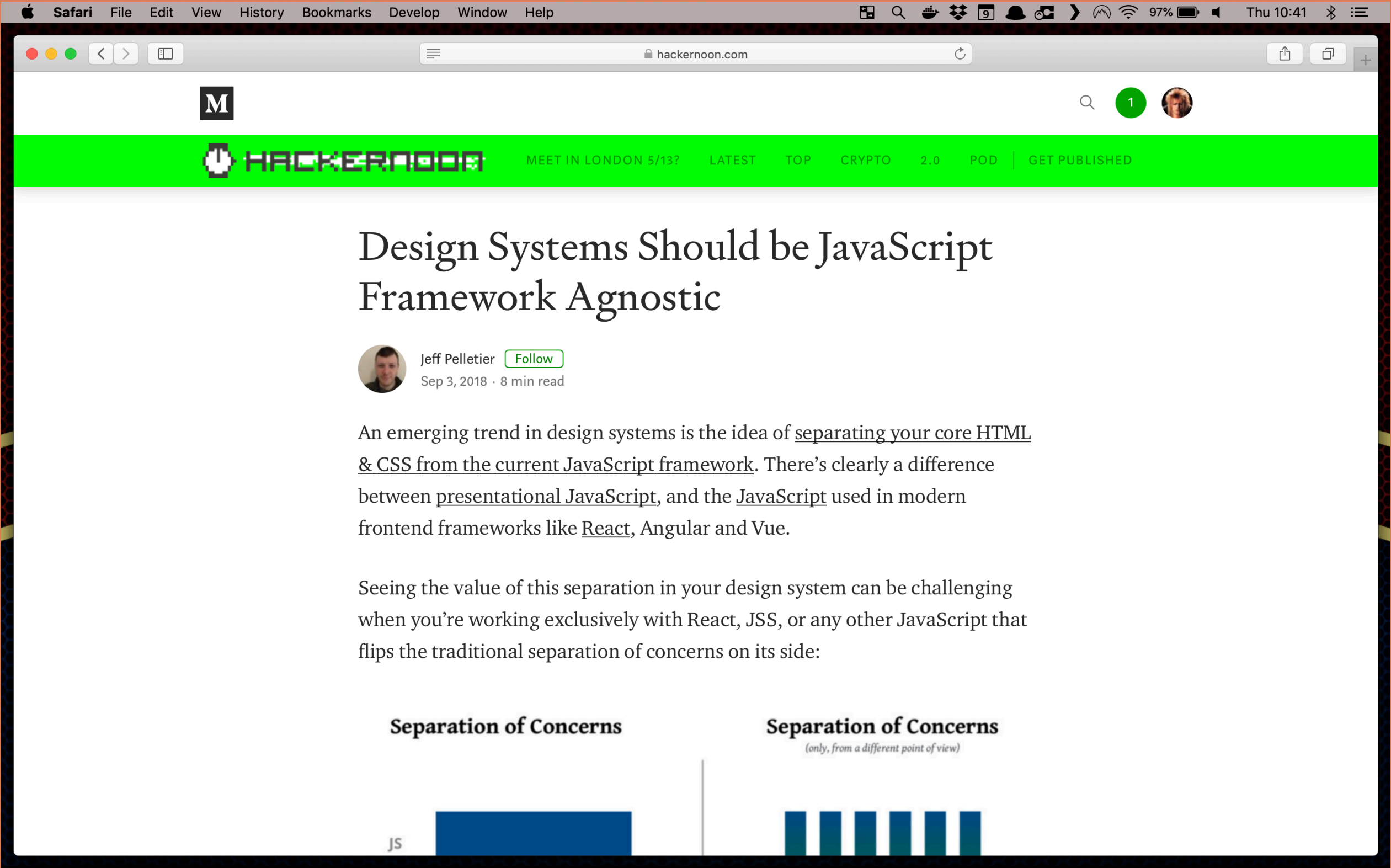
Contributing

Need Help?

@sturobson | alwaystwisted.com | Design Systems and Front-End Architecture | Colchester Digital 2019

23





“

...as a community we're starting to get a bit dogmatic about what design systems are and are not.

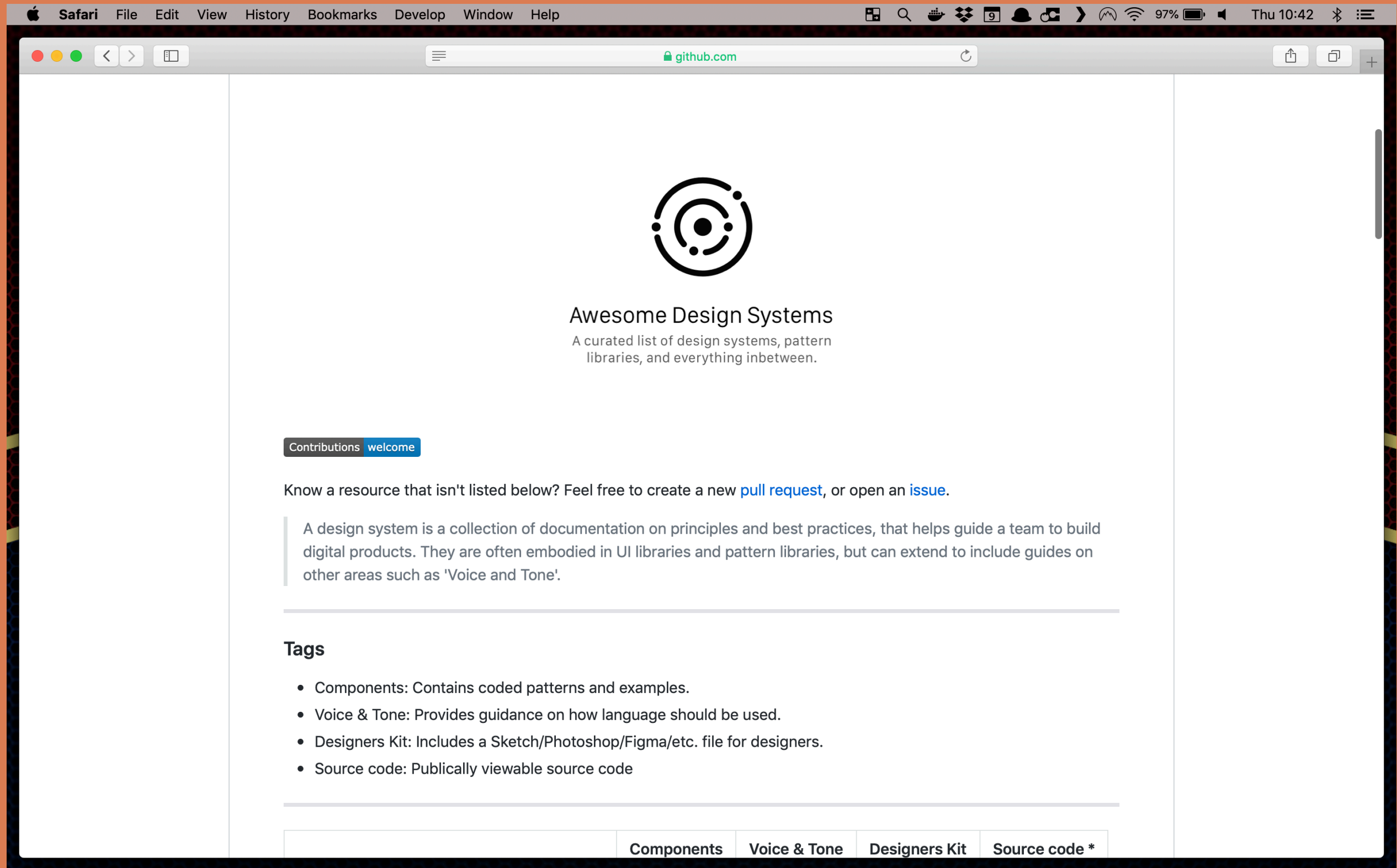
— Sarah Federman | @sarah_federman

“

It's about systemizing the design. As a noun. That's literally all a design system means. That's not to say only designers can do it.

— Jina | @jina

What do they look like?



SafariFileEditViewHistoryBookmarksDevelopWindowHelp

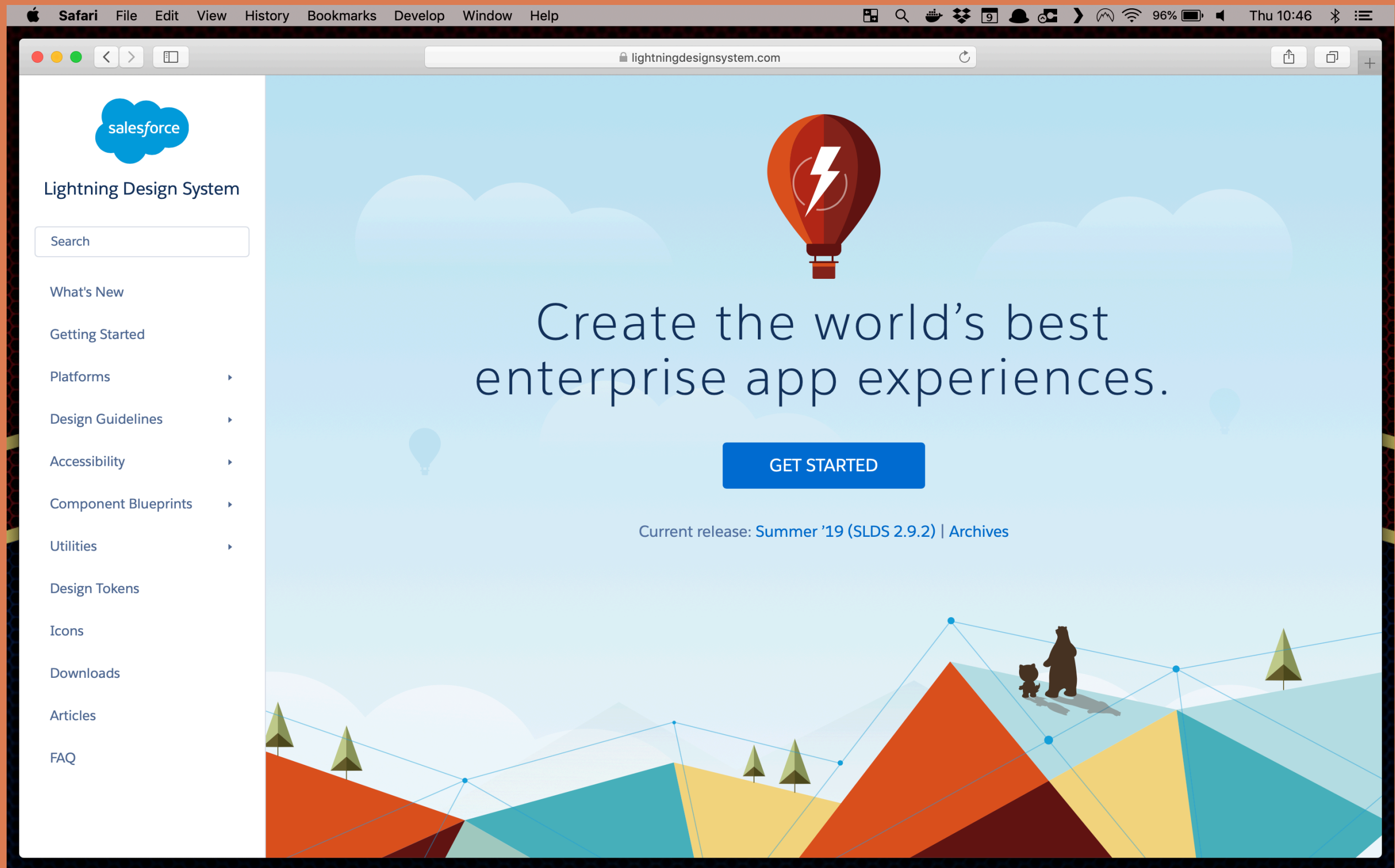
adele.uxpin.com

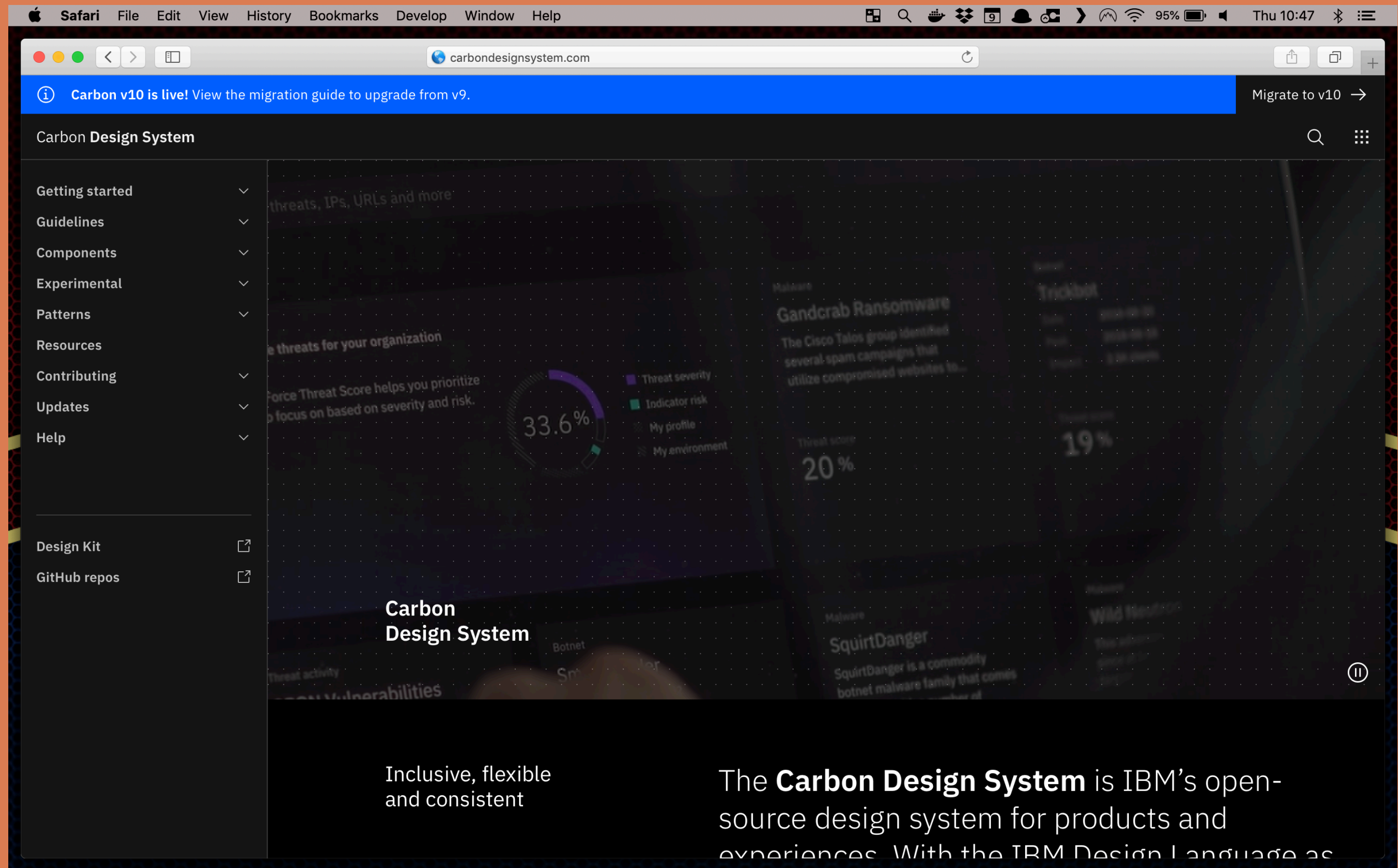
adele by UXPin

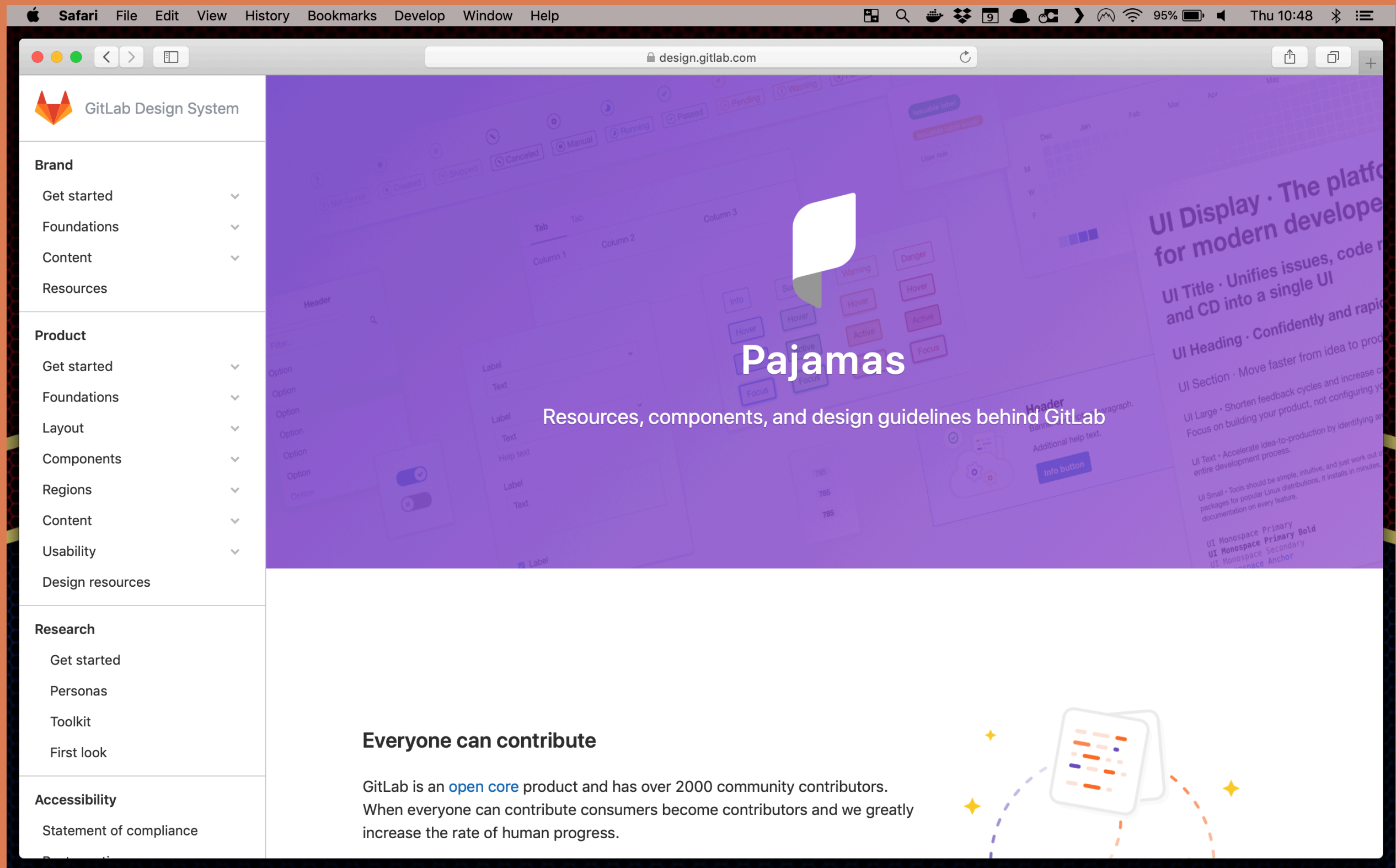
Filter categories: Type to filter...

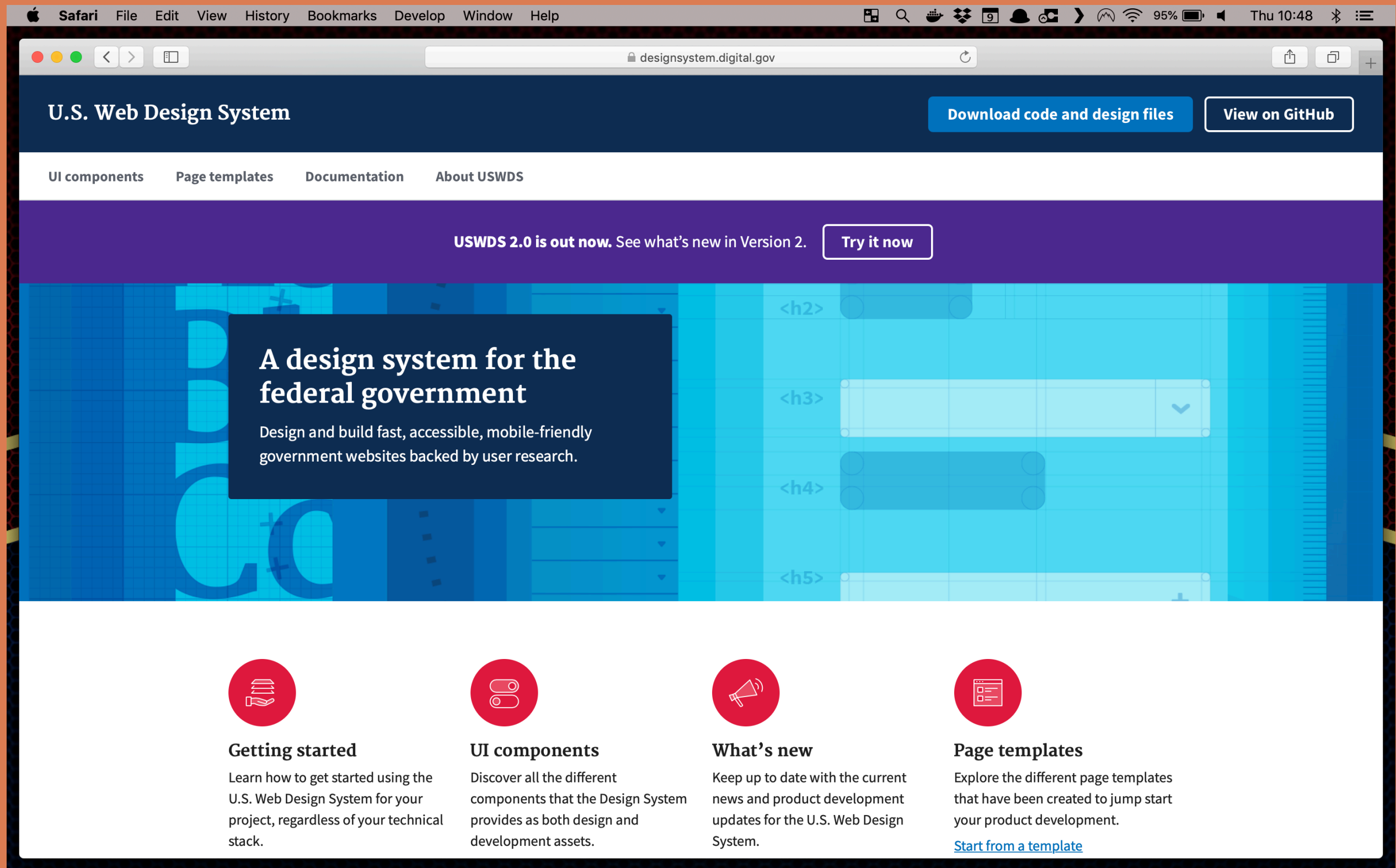
See More: <>

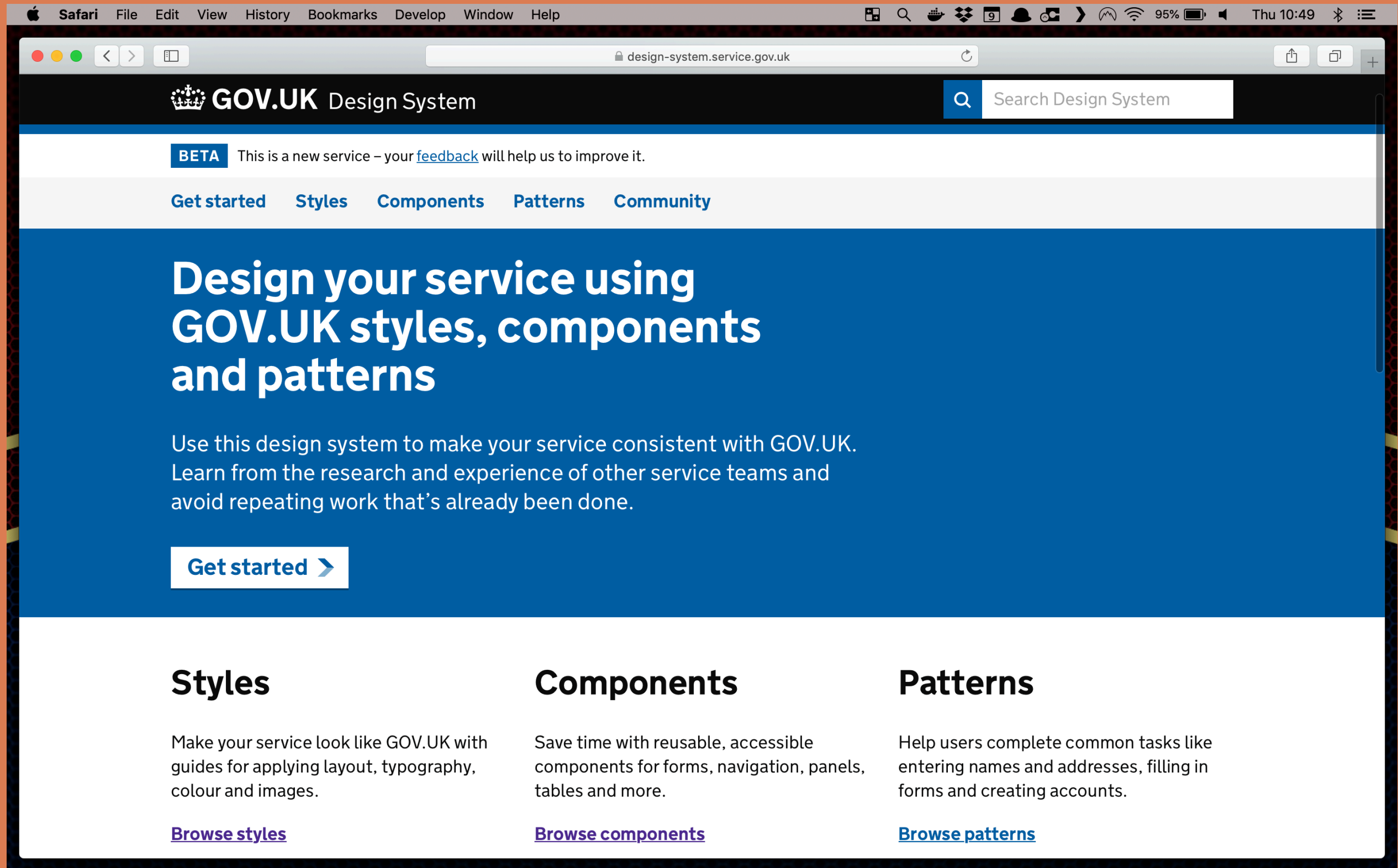
CompanyA/Z	SystemA/Z	RepositoryA/Z	Code DepthA/Z	ComponentsA/Z	JS Library/FrameworkA/Z	Types
Type to filter...	Type to filter...	Type to filter...	Type to filter...	All	Type to filter...	All
Dropbox	🔗 Scooter (Depracted)	🔗 GitHub	HTML/CSS	yes	no	no
Royal Canin	🔗 Royal Canin's Design Language	🔗 GitHub	HTML/CSS/JS	yes	Vanilla	no
Instacart	🔗 Snacks	🔗 GitHub	HTML/CSS/JS	yes	React	no
Consumer Financial Protection Bureau	🔗 Cfpb Design Manual	🔗 GitHub	HTML/CSS/JS	yes	Vanilla	no

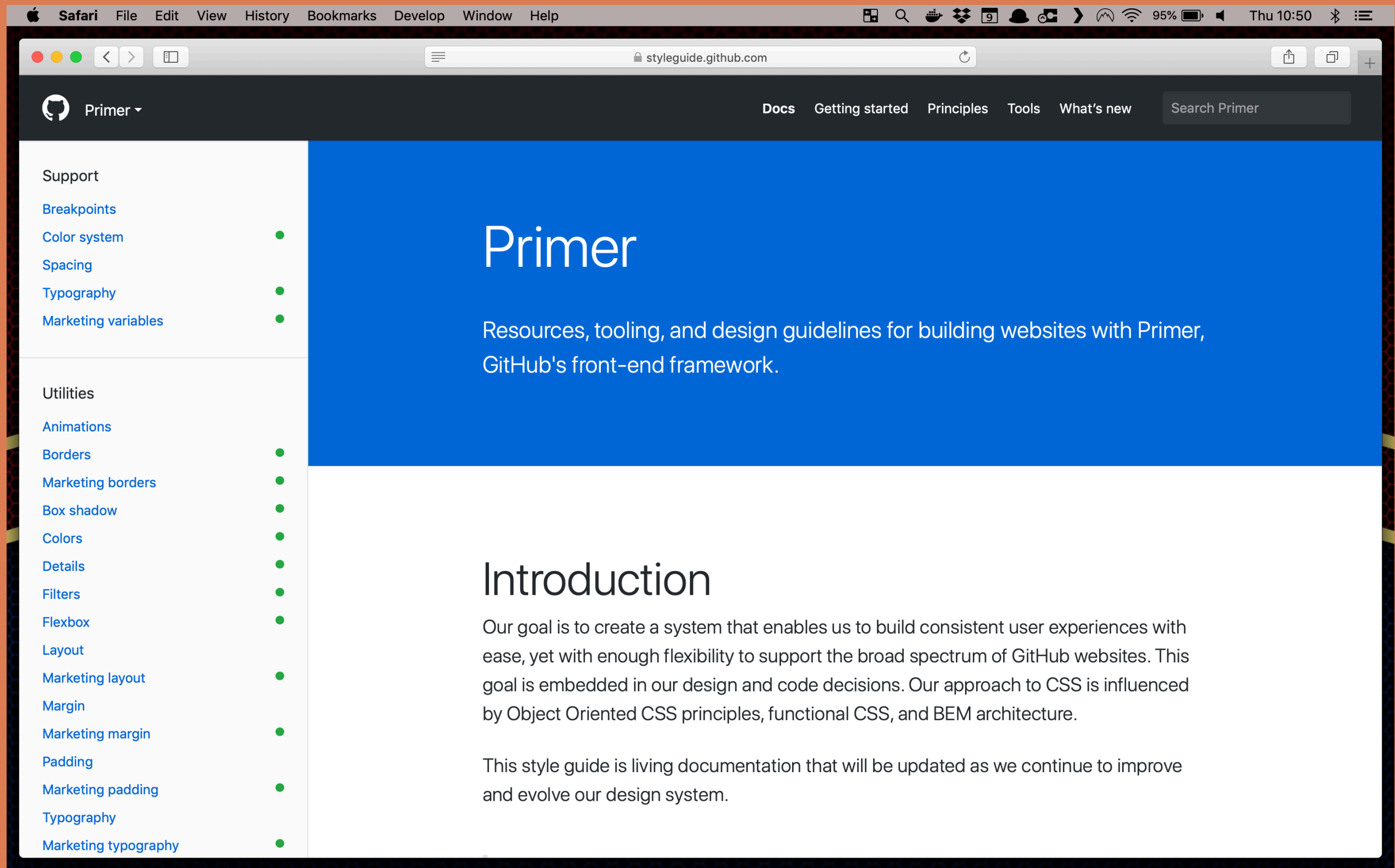


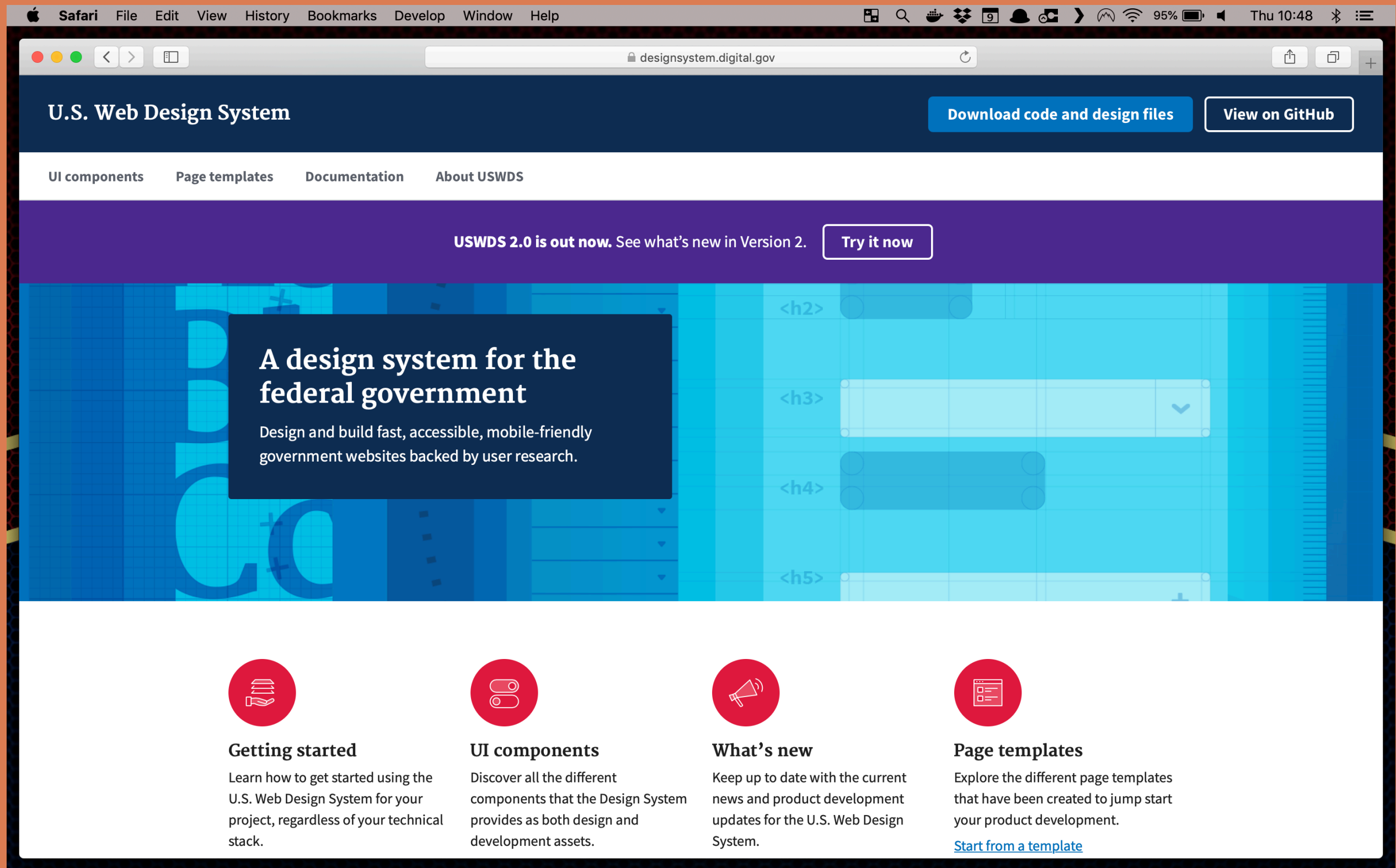


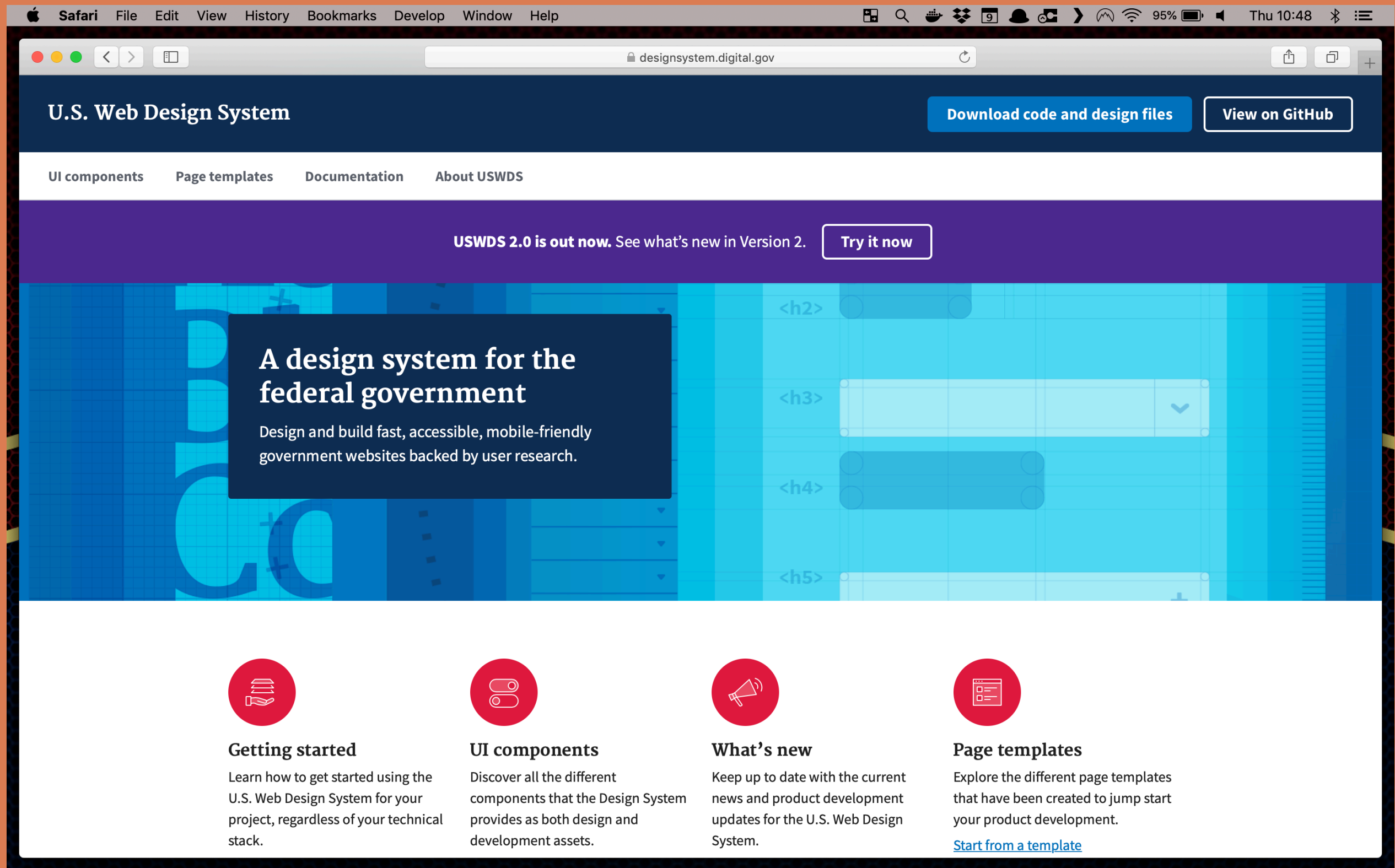


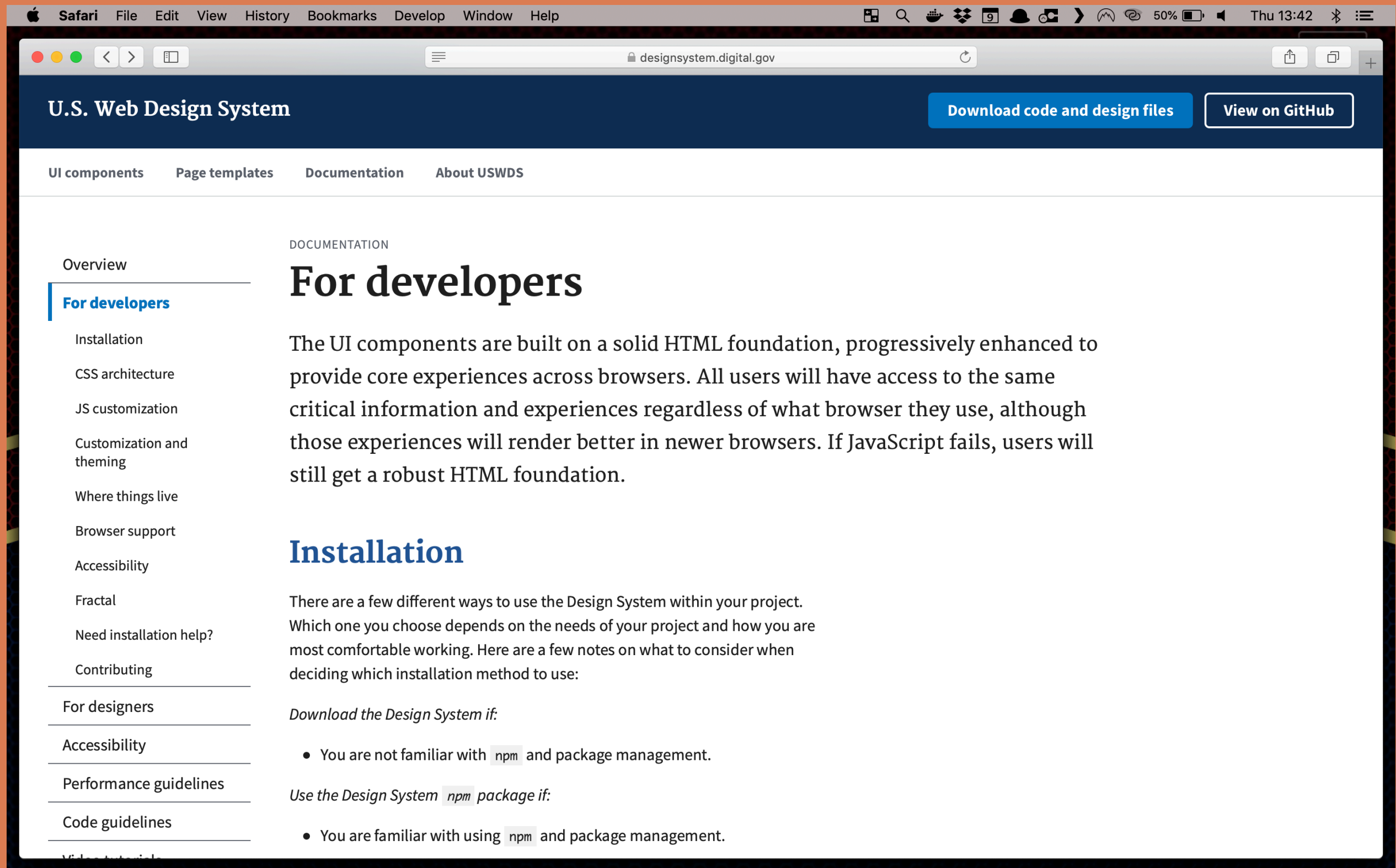


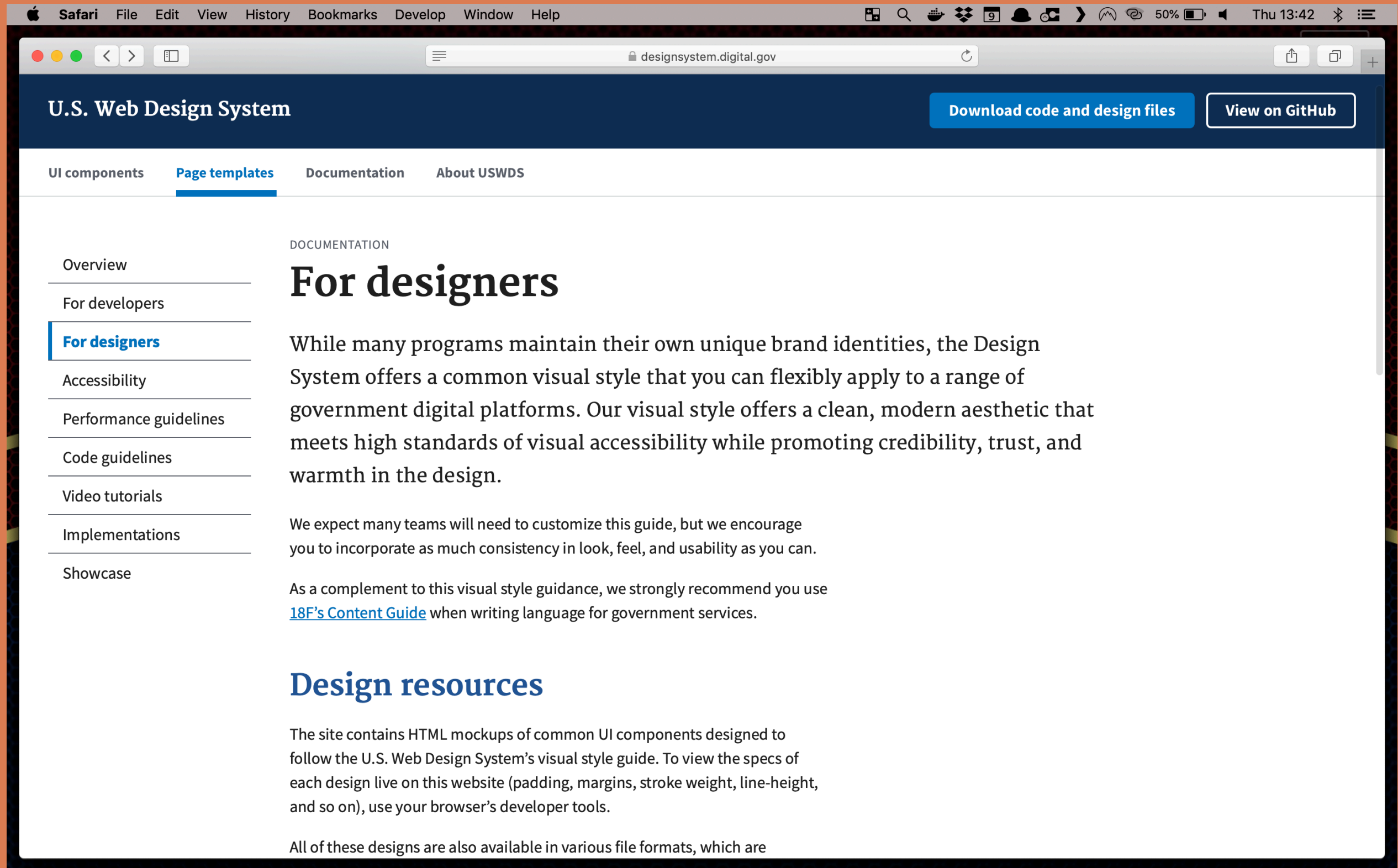


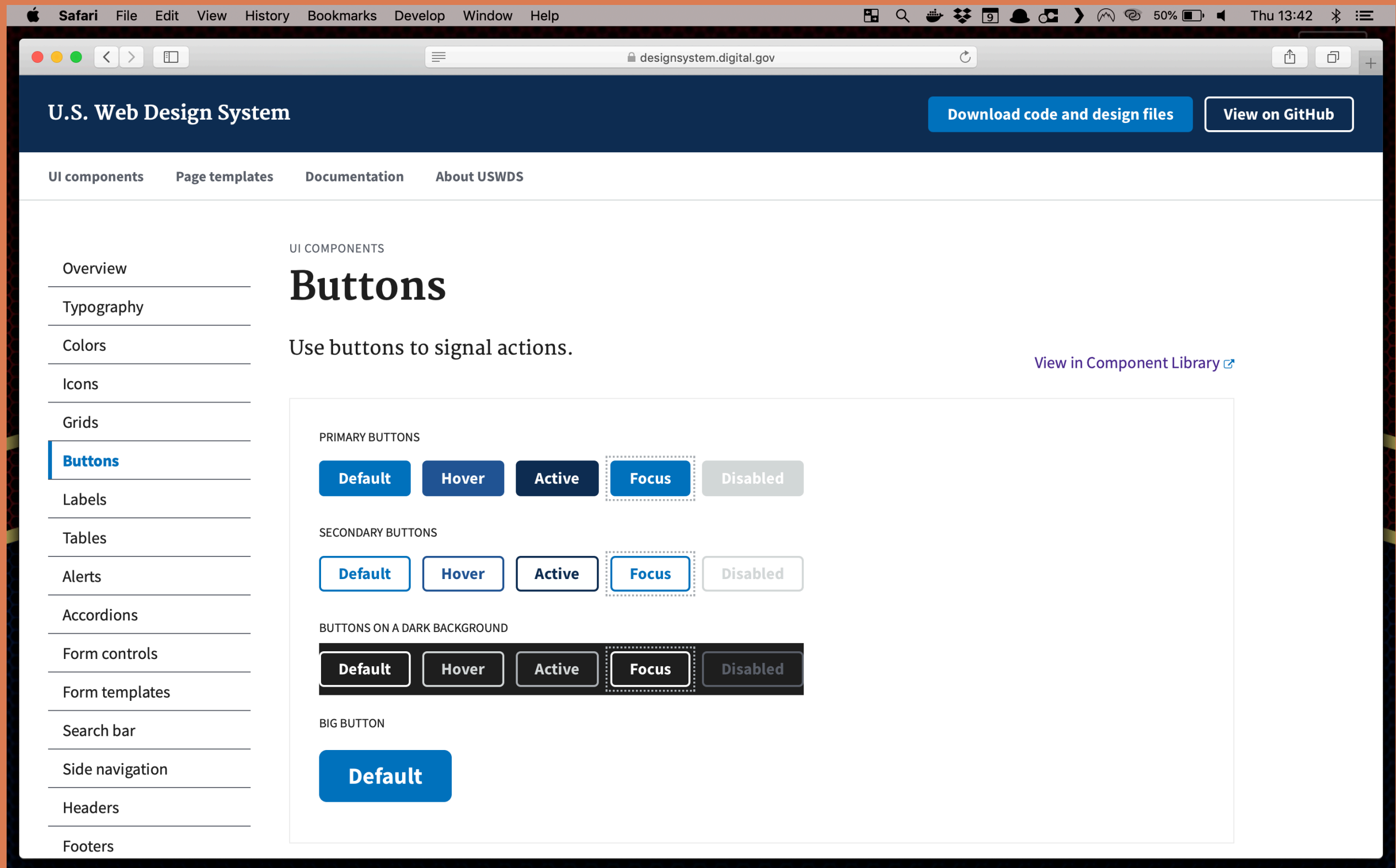


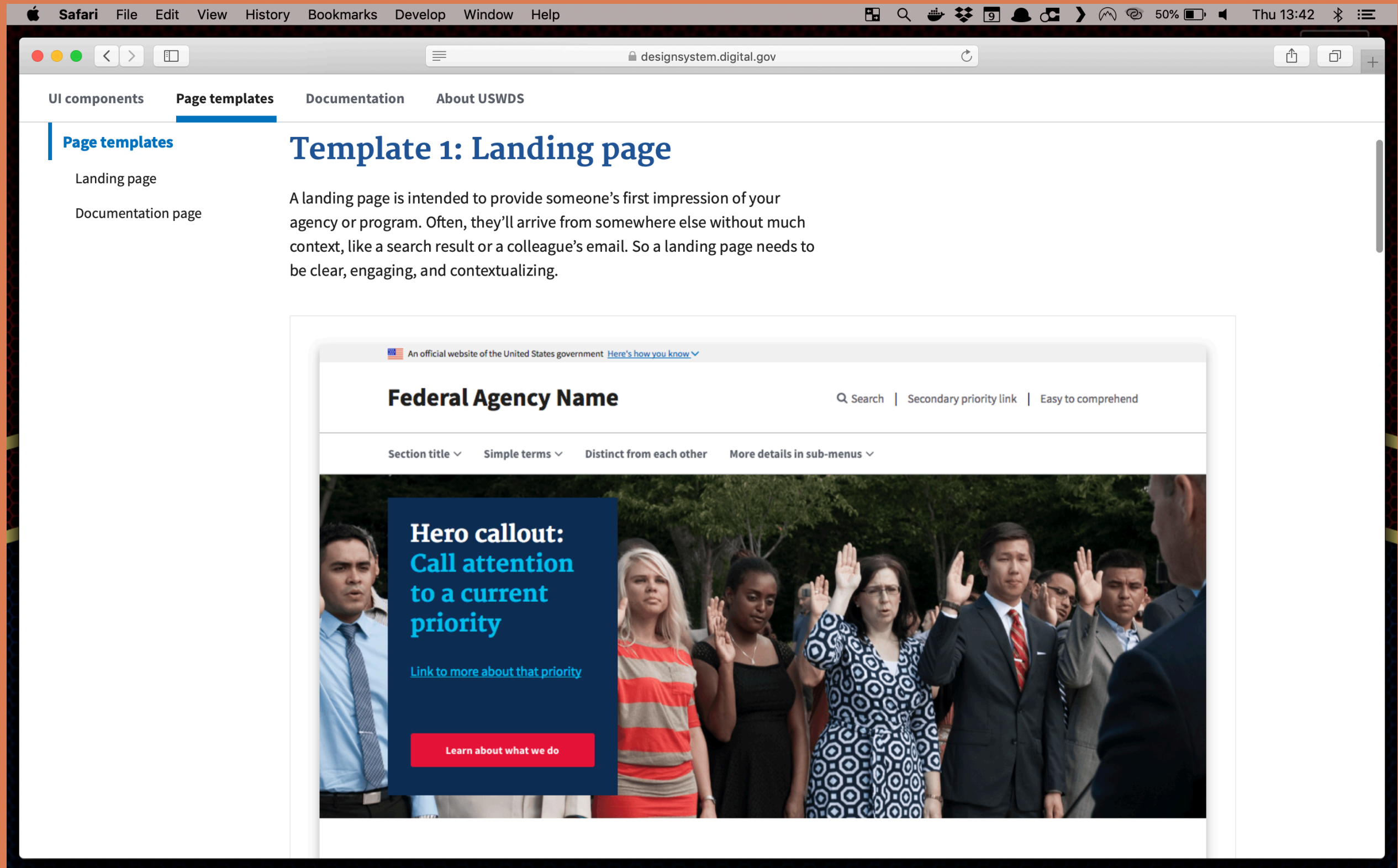


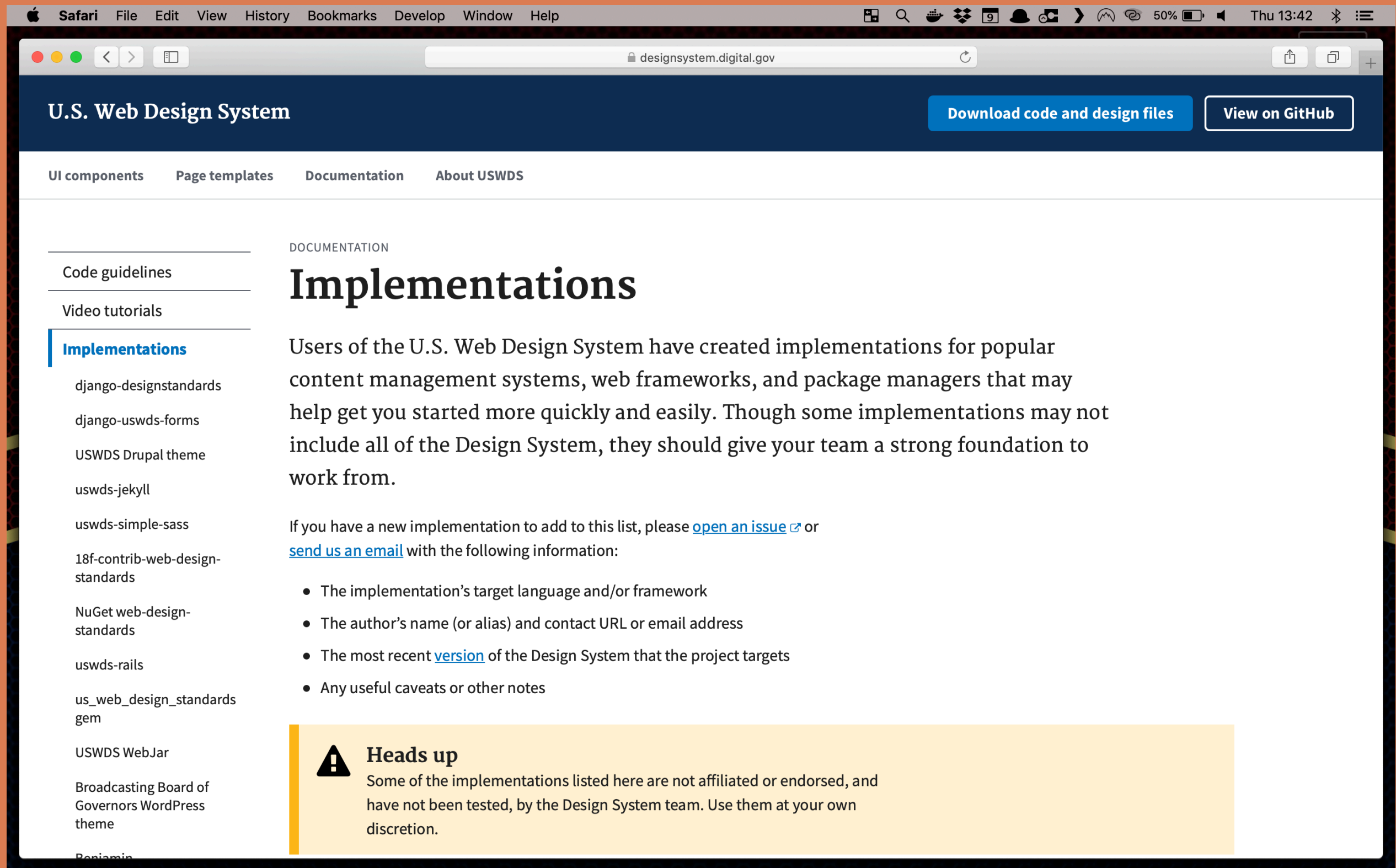












“

A Design System isn't a Project. It's a Product, Serving Products.

— Nathan Curtis | @nathanacurtis

“

Real talk: don't compare your design system to others. The grass is always greener, and their goals aren't your goals

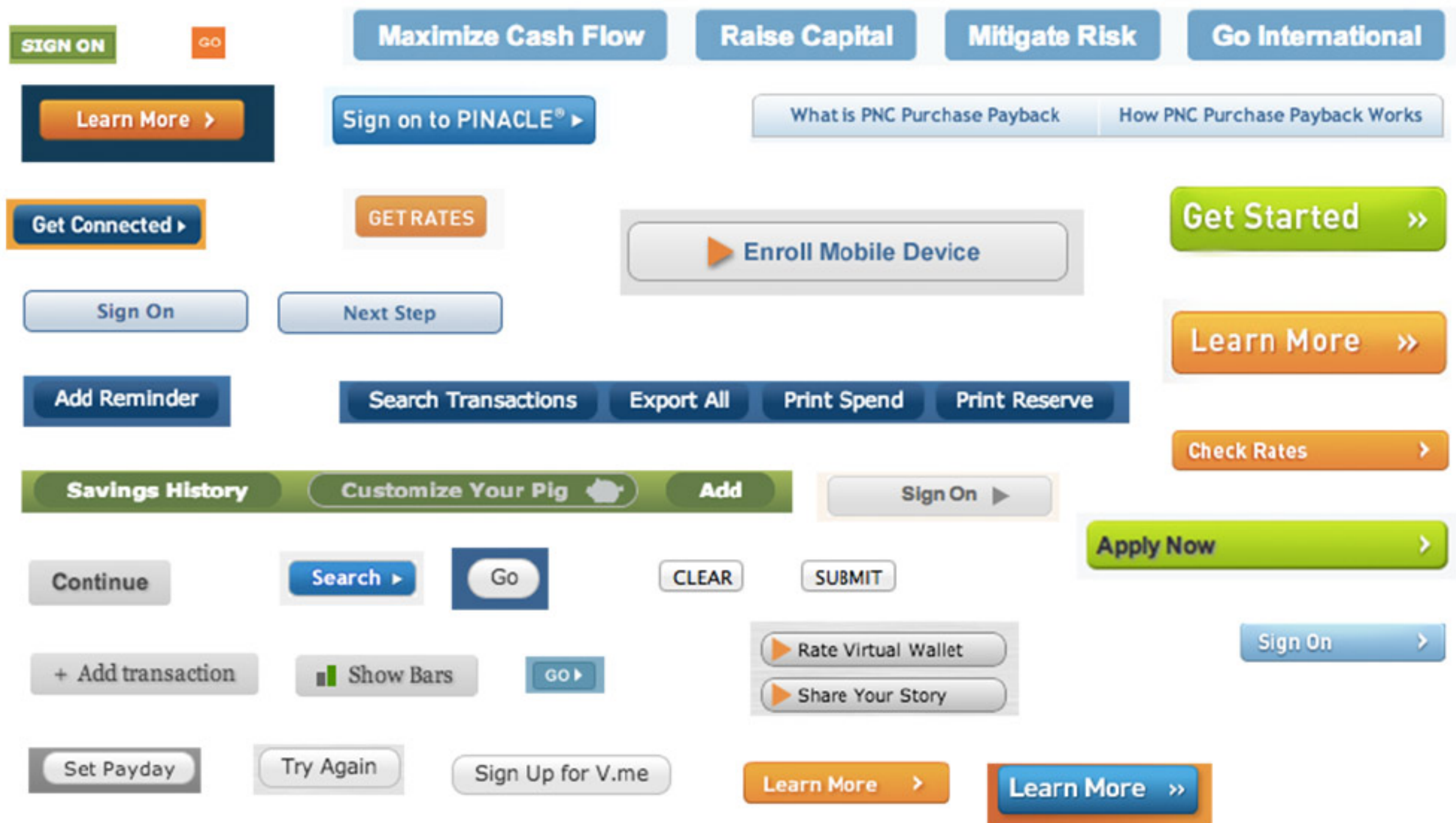
— Diana Mounter | @brocollini

Do we need a Design System?

Consistency

Maintainability

Quality



“

We're not designing pages. We're designing systems of components.

— Stephen Hay | @stephenhay

Buy in

“

Tiny Bootstraps

— Dave Rupert | @davatron5000

Scalability

Creativity

“

Design systems take care of the boring 80% of what you need to design, freeing you to concentrate your creativity on the interesting and unique 20%.

— Dan Mall | @danmall

“

A design system is at its foundation, a set of rules. Rules and creativity are not mutually exclusive. Rules can be broken.

— Mina Markham | @minamarkham

Themes

QA

On-boarding

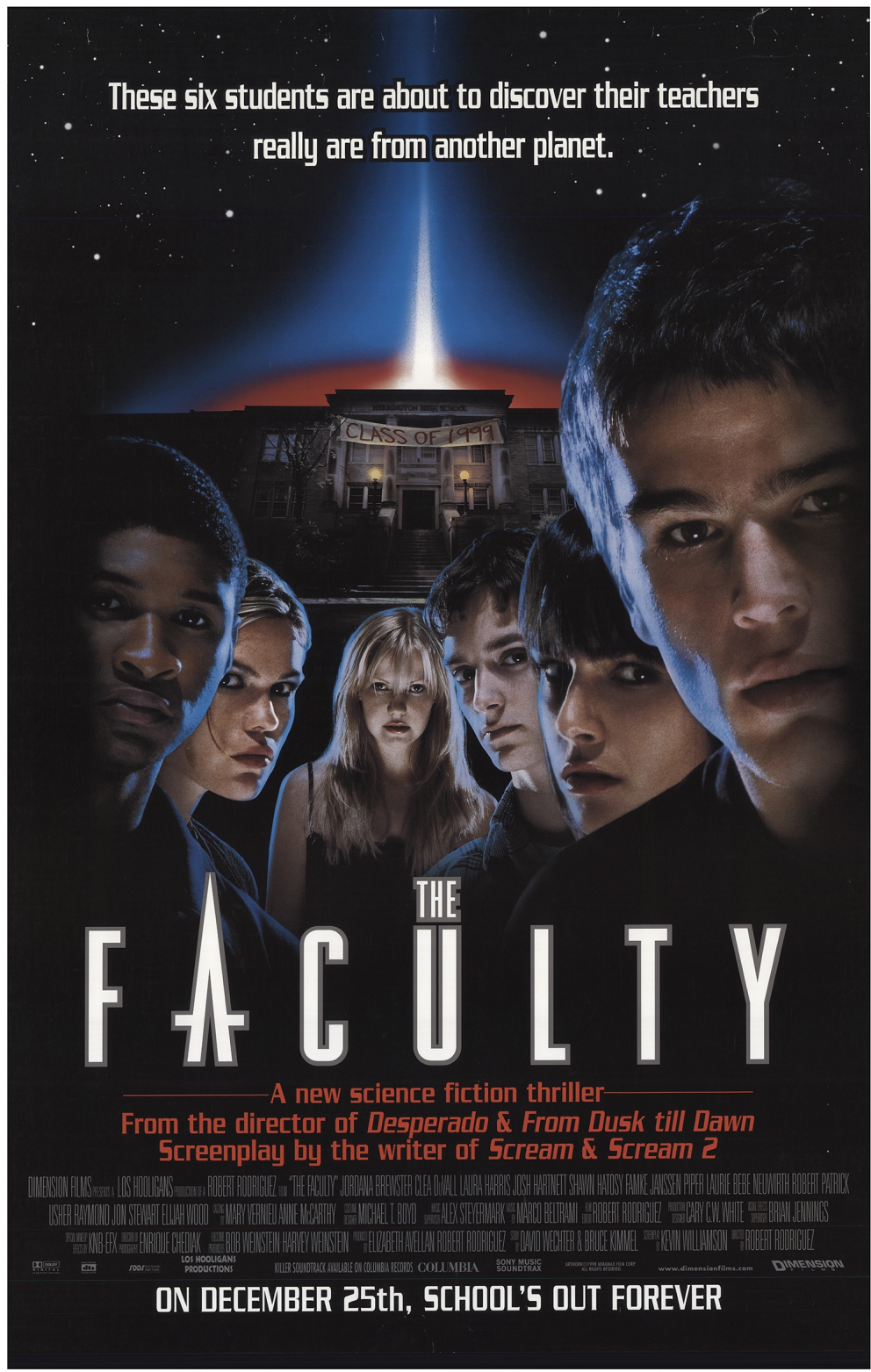
Updates

Communication

- be open
- don't dictate
- listen
- move within existing workflows

Be where the authors are





Where should we start with a Design System?

“

**...start with doorknobs and end up with cathedrals.
... start with cathedrals and work down to doorknobs.**

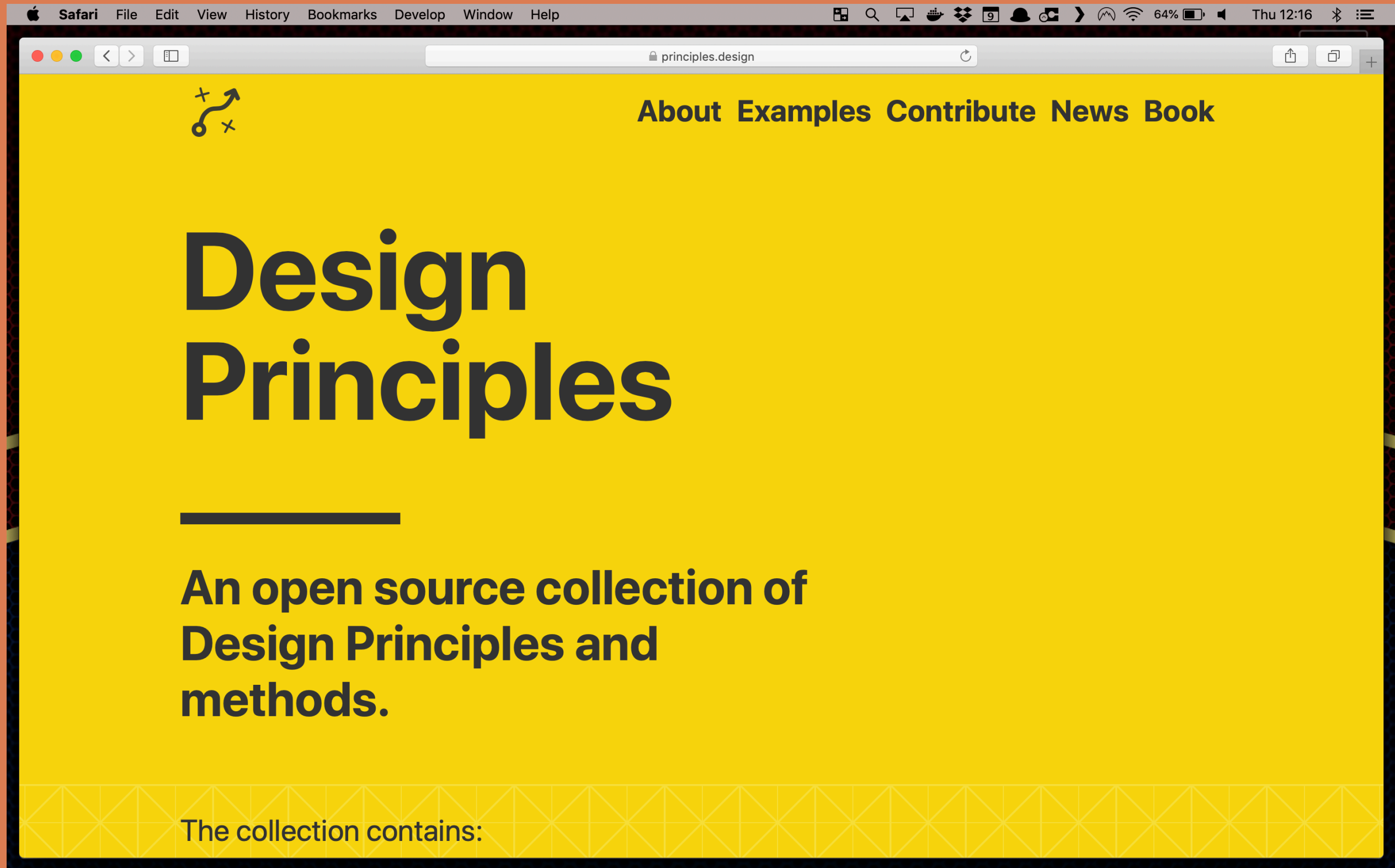
— Jeffrey Zeldman | @zeldman

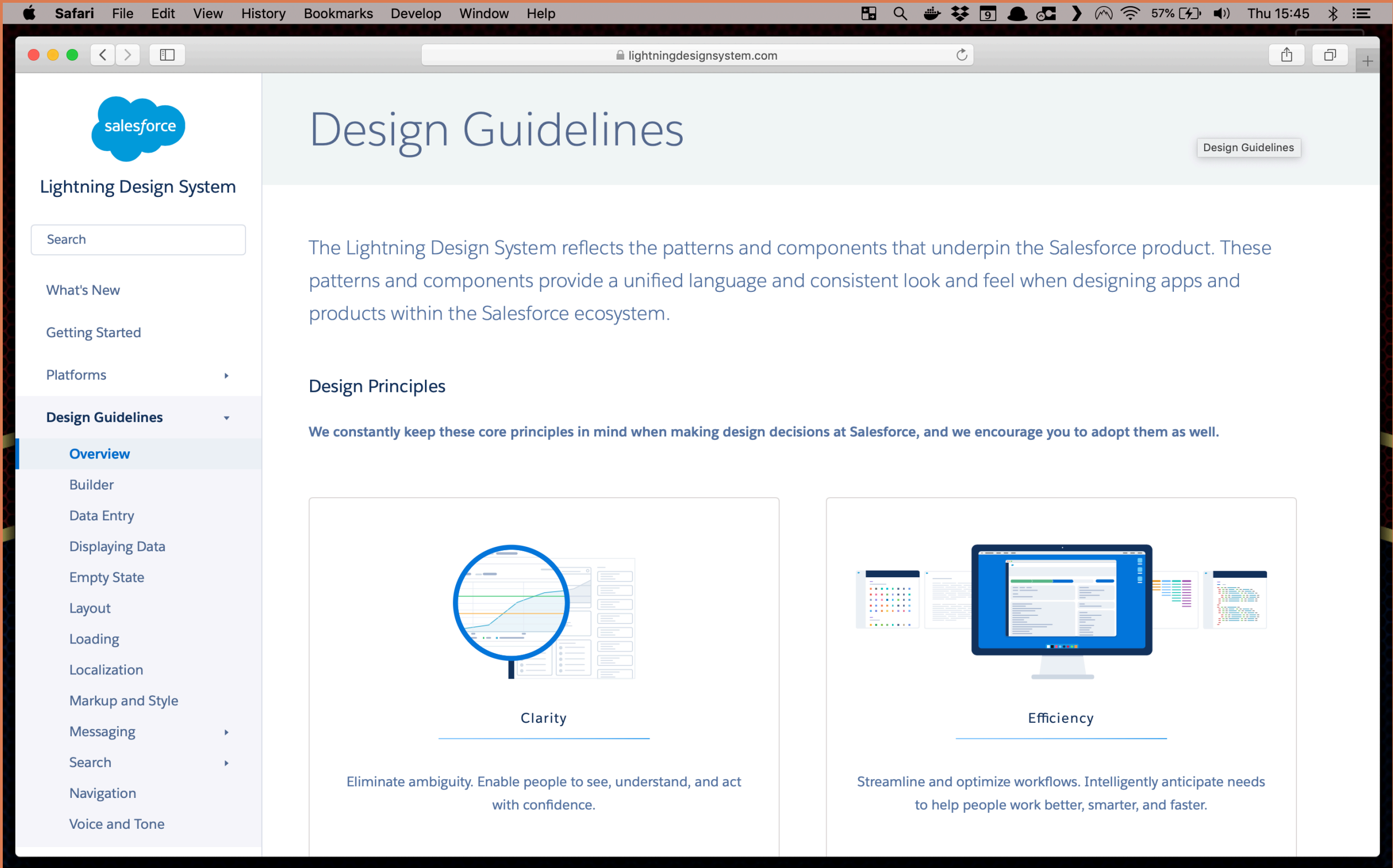
Design Principles

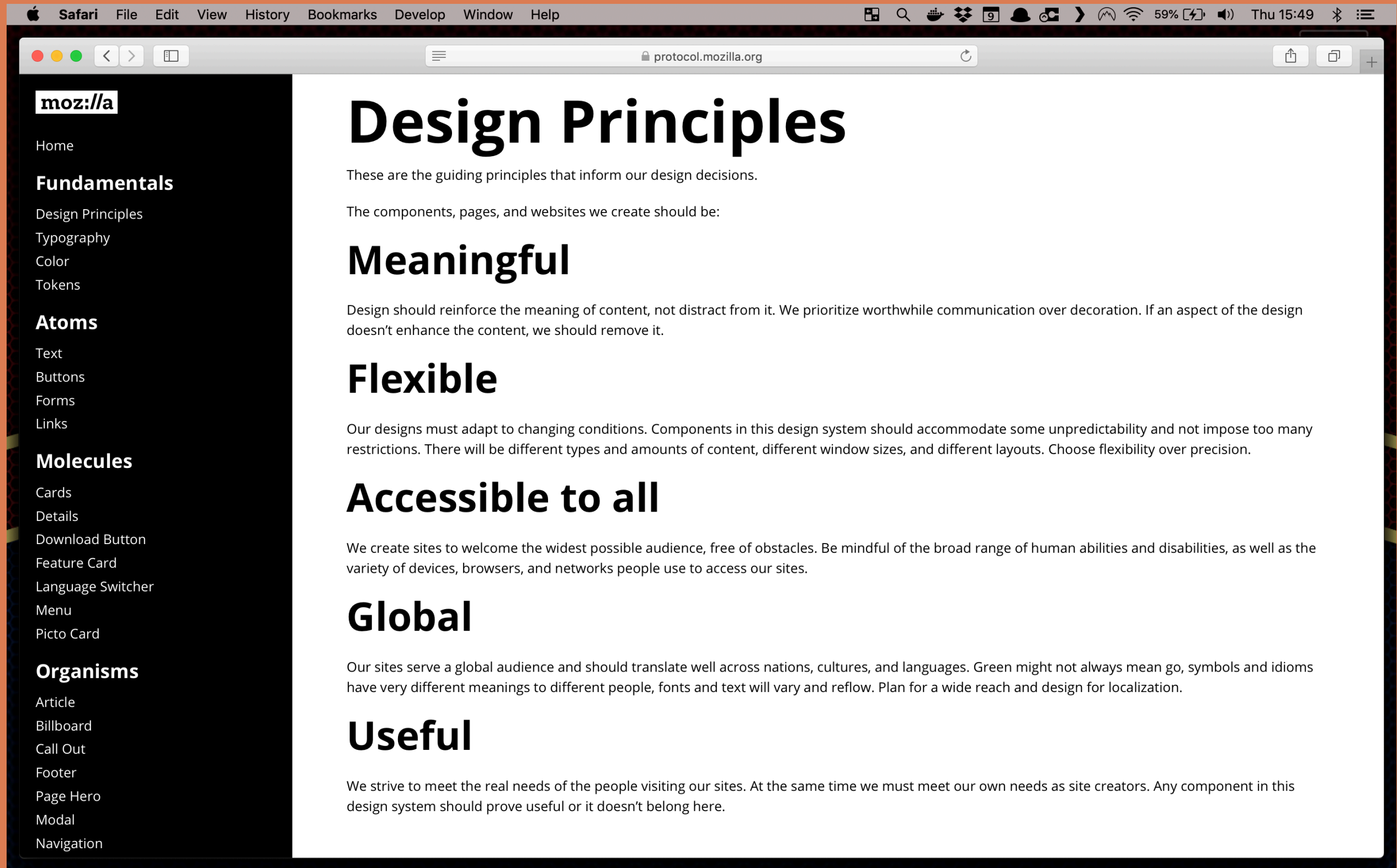


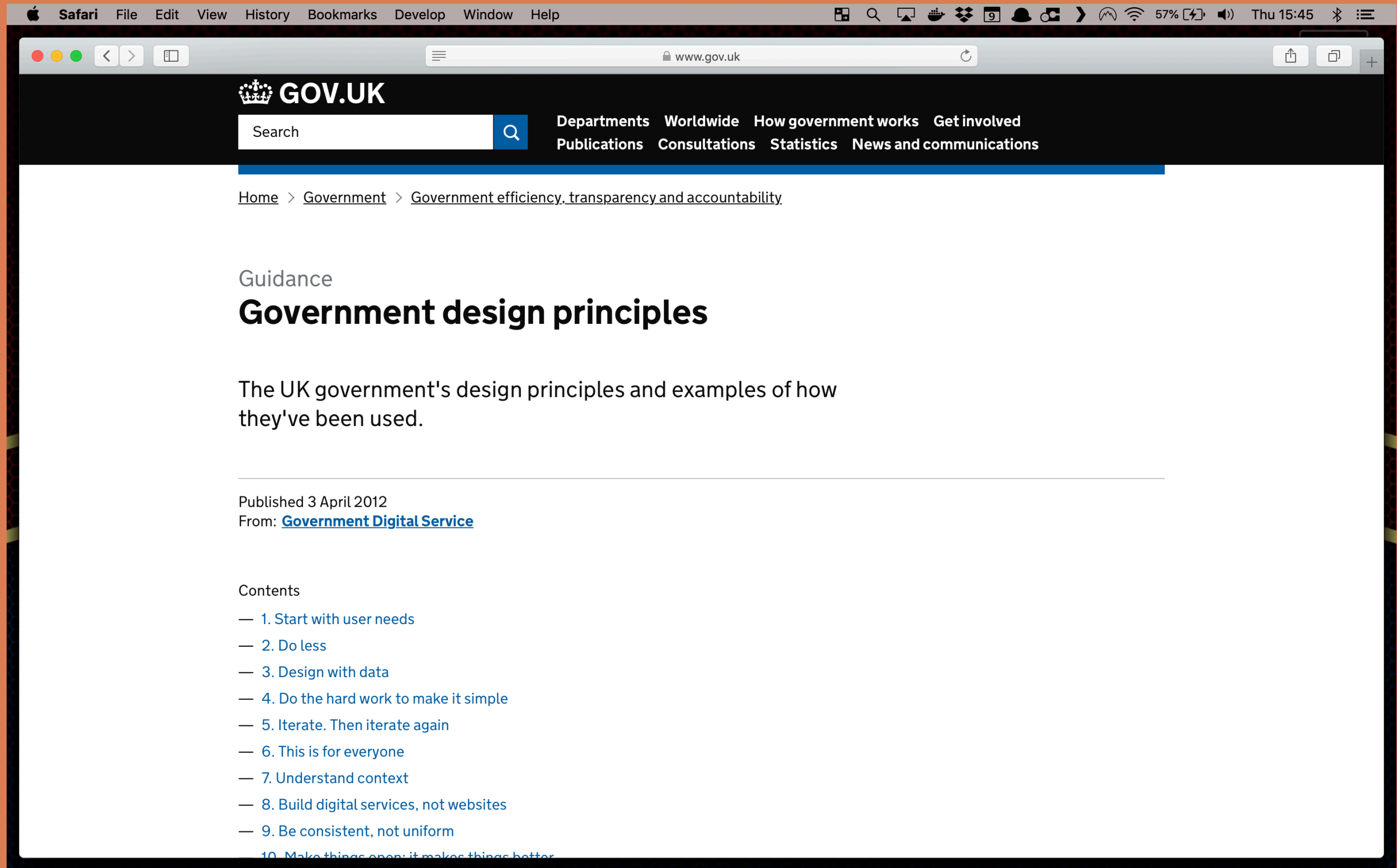
A robust design system should contain guiding design principles

- Sarrah Vesselov | @SVesselov**
- Taurie Davis | @tauried**









Design Tokens

“

Design Tokens are the visual atoms of the design system – specifically, they are named entities that store visual design attributes.

We use them in place of hard-coded values (such as hex values for colour or pixel values for spacing) in order to maintain a scalable and consistent visual system.

— Jina | @jina

Colour

Comet v2.31.5

Download

Home

Getting Started

CORE PRINCIPLES

Accessibility

Browser Support

VISUAL LANGUAGE

Color

Icons

Space

Typography

Tokens

UI COMPONENTS

RESOURCES

DEVELOPMENT

Color

Background Color

Use background color tokens to consistently apply neutrals to commonly encountered light and dark interface blocks.

VARIABLE NAME	VALUE
\$comet-background-color-default	#FFFFFF
\$comet-background-color-light	#E2E4E9
\$comet-background-color-dark	#363C49
\$comet-background-color-hover-transparency	.2
\$comet-background-color-disabled	#E2E4E9
\$comet-background-color-transparency-over-image	.5
\$comet-background-color-transparency-over-image-hover	1
\$comet-background-color-image-matte	#262626
\$comet-background-color-feedback-success	#DBF0DC
\$comet-background-color-feedback-error	#F9D4D2
\$comet-background-color-feedback-warning	#FAF4D1
\$comet-background-color-feedback-new	#FFEACC
\$comet-background-color-block-light	#F0F2F4

Color

Background Color

Text Color

Options

Font

Size

Space

Shadow

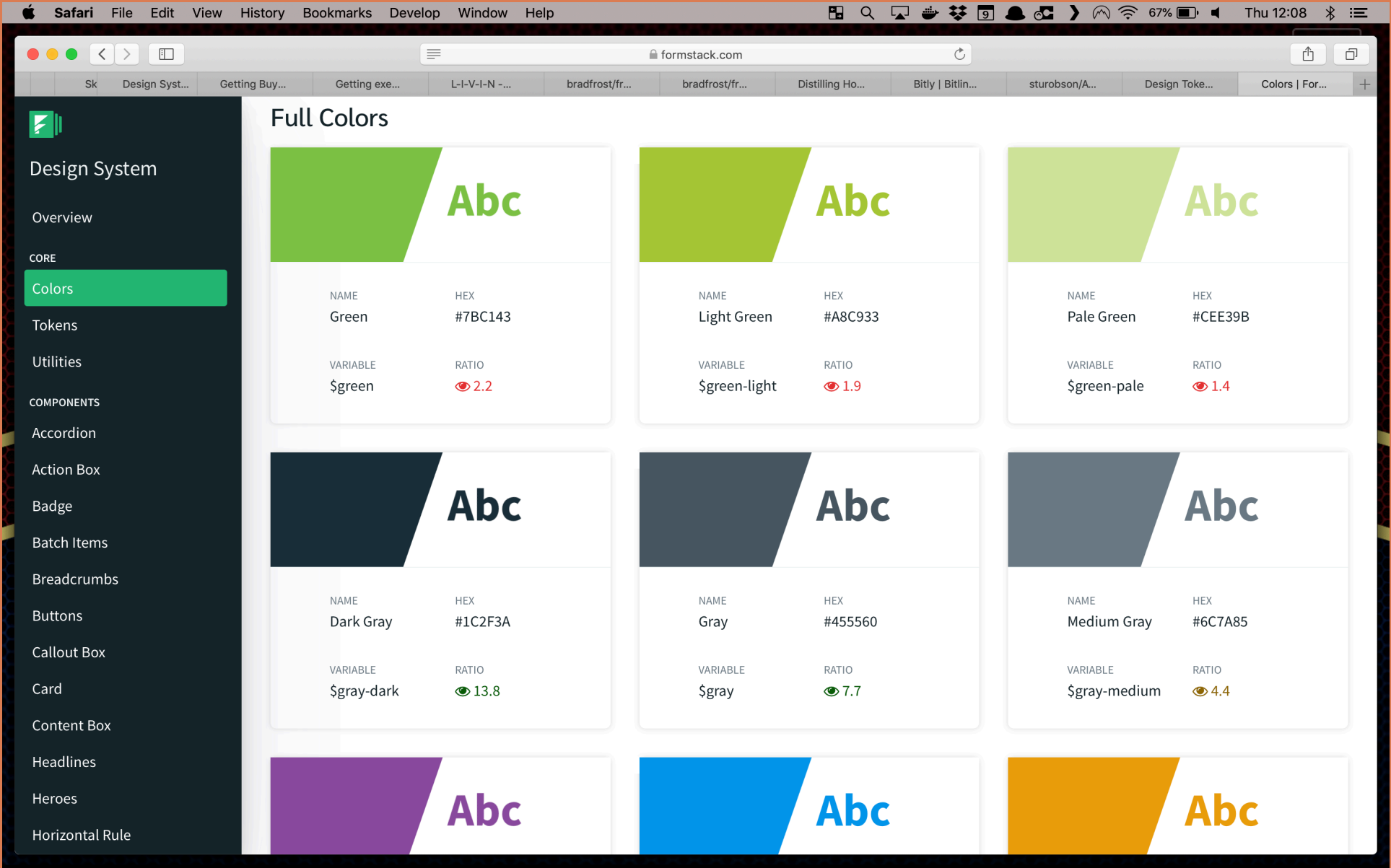
Border

Animation

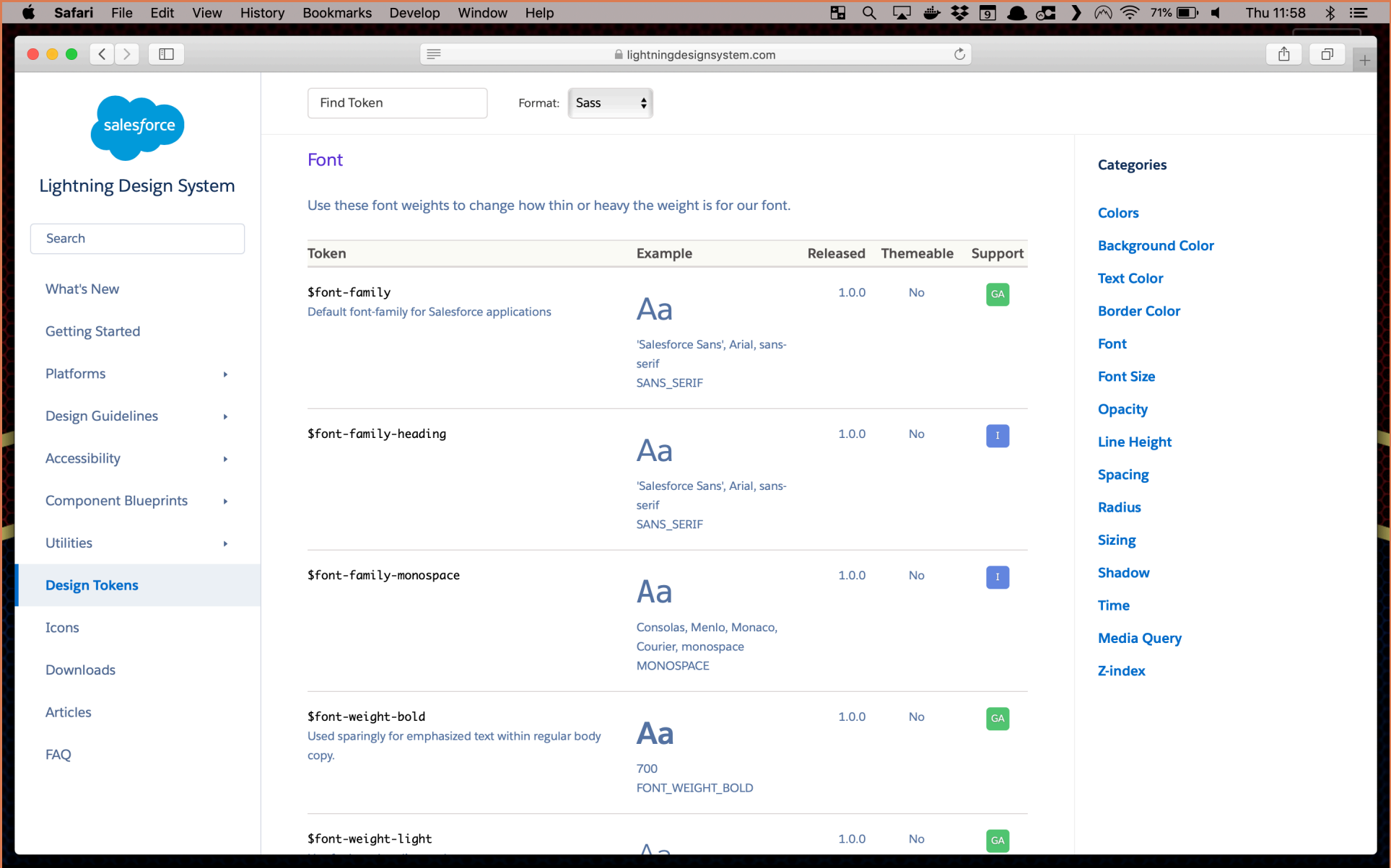
Breakpoints

Themes

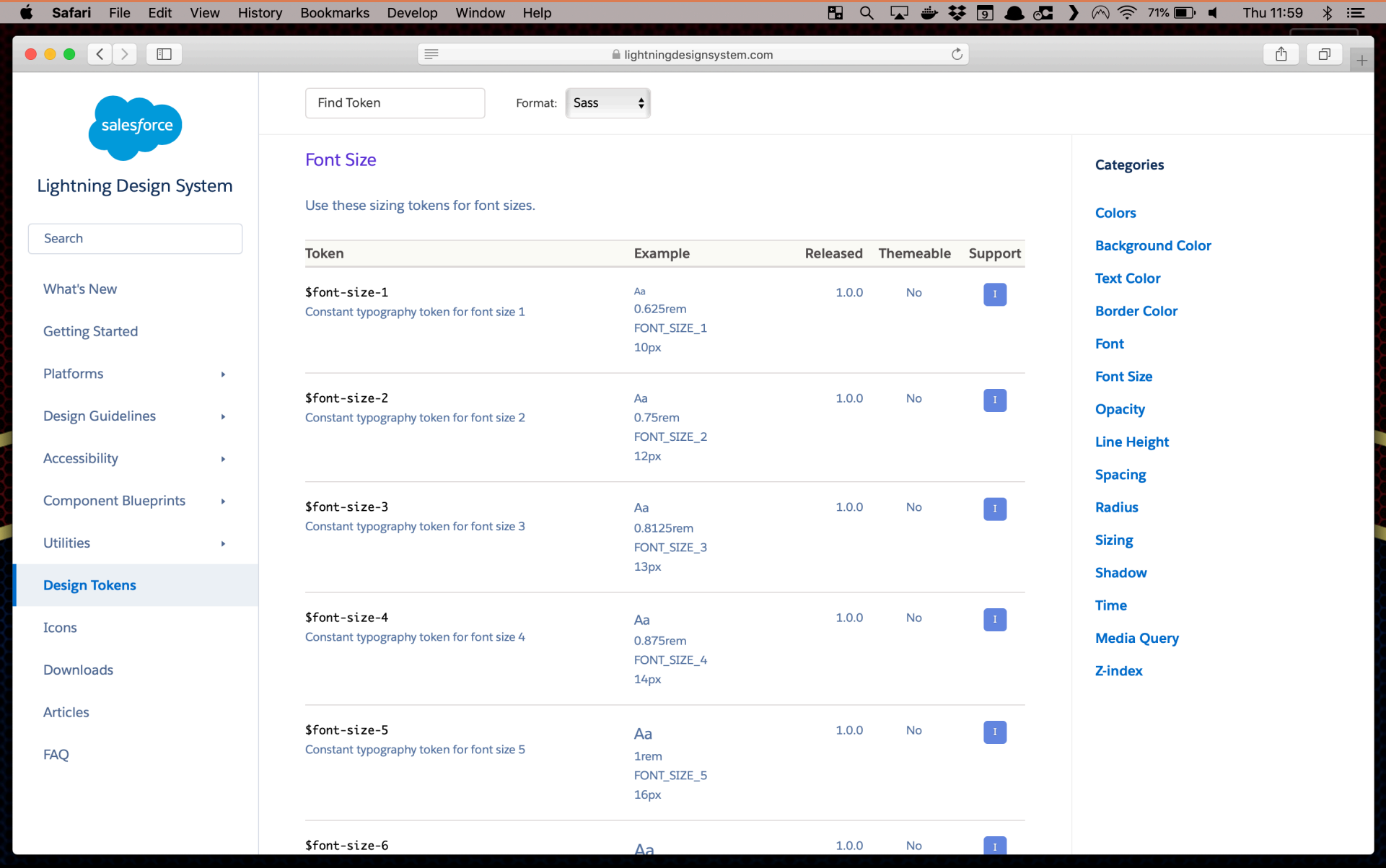
Colour



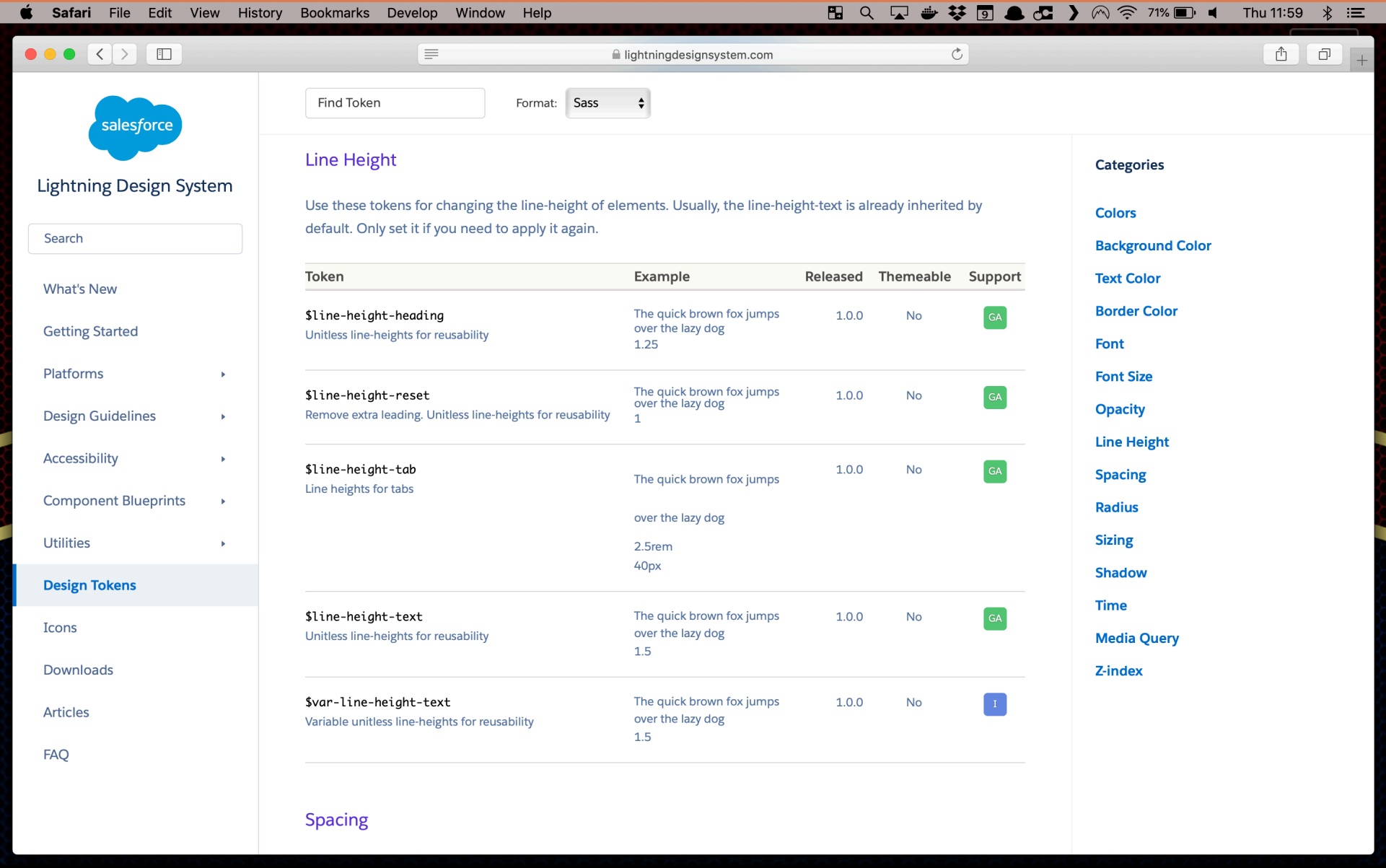
Typography



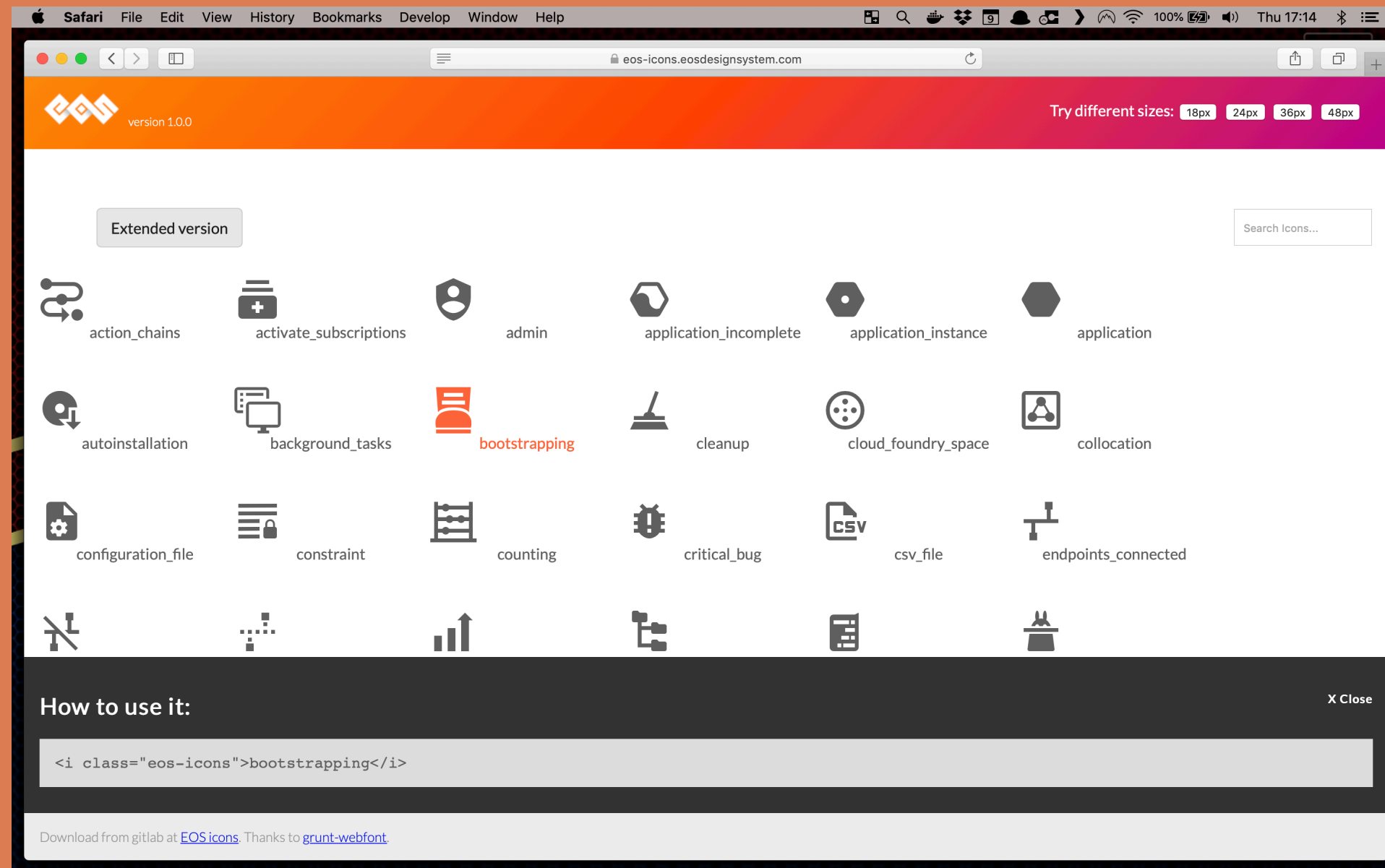
Typography



Typography



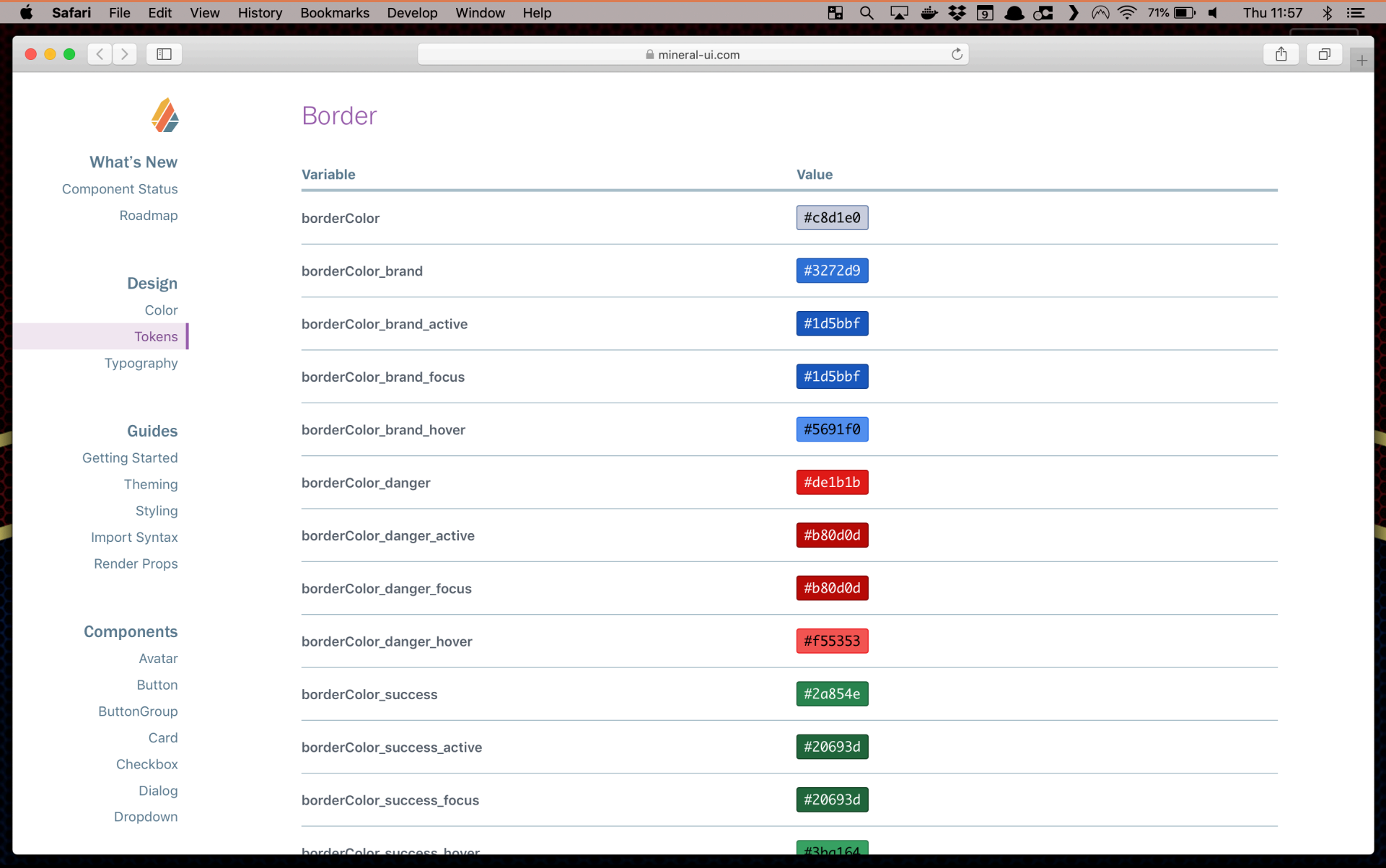
Iconography



Spacing

Design Tokens			
Spacing	Values	Examples	Usage
spacing-none	0		
spacing-extra-tight	4px		
spacing-tight	8px		
spacing-base-tight	12px		
spacing-base	16px		
spacing-loose	20px		
spacing-extra-loose	32px		
Font Families	Values	Examples	Usage
font-stack-base	-apple-system, BlinkMacSystemFont, 'San Francisco', Roboto, 'Segoe UI', 'Helvetica Neue', sans-serif	The quick brown fox jumps over the lazy dog.	
font-stack-monospace	Monaco, Consolas, 'Lucida Console', monospace	The quick brown fox jumps over the lazy dog.	
Background Colors	Values	Examples	Usage
color-purple-darker	#230051		

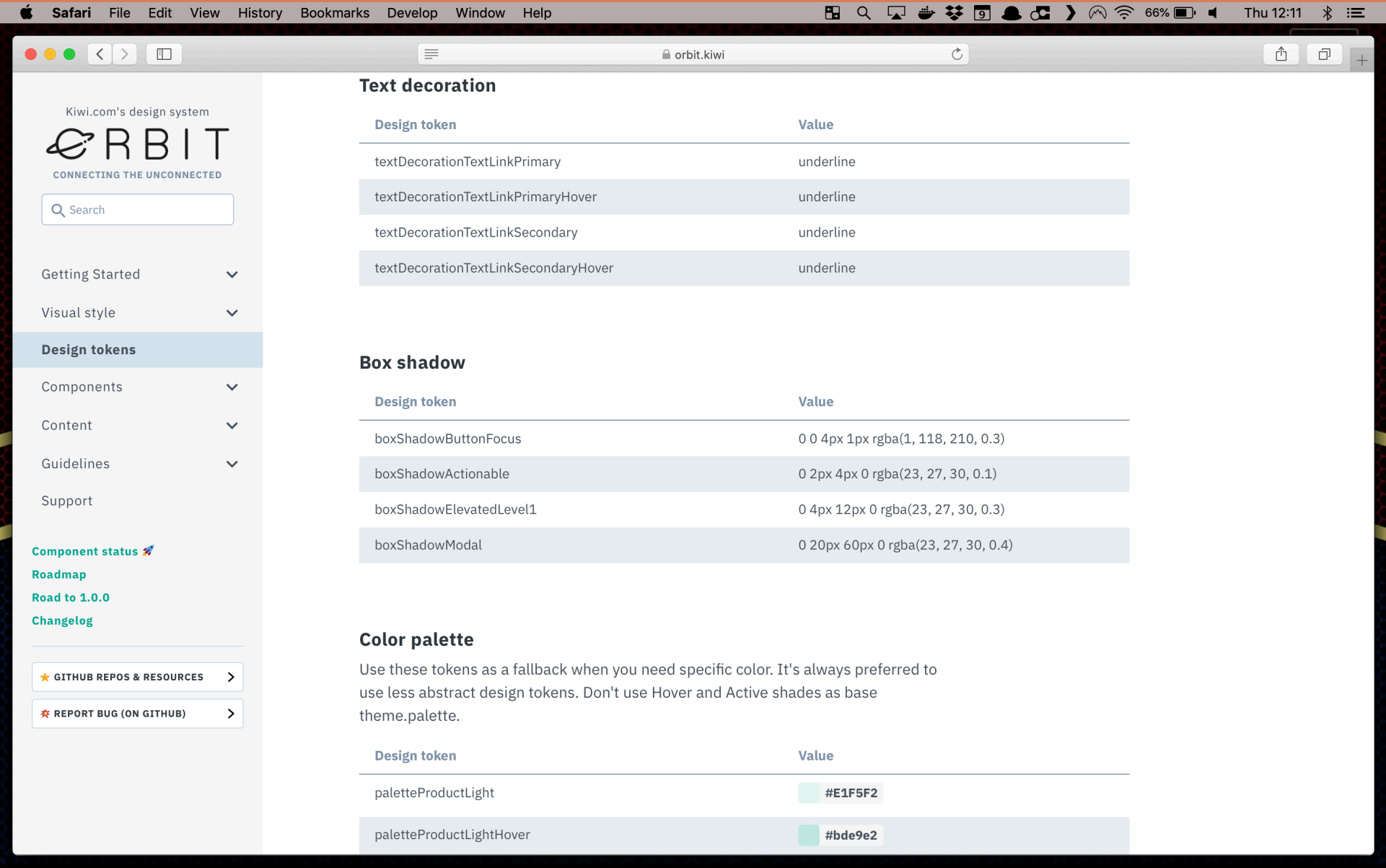
Borders



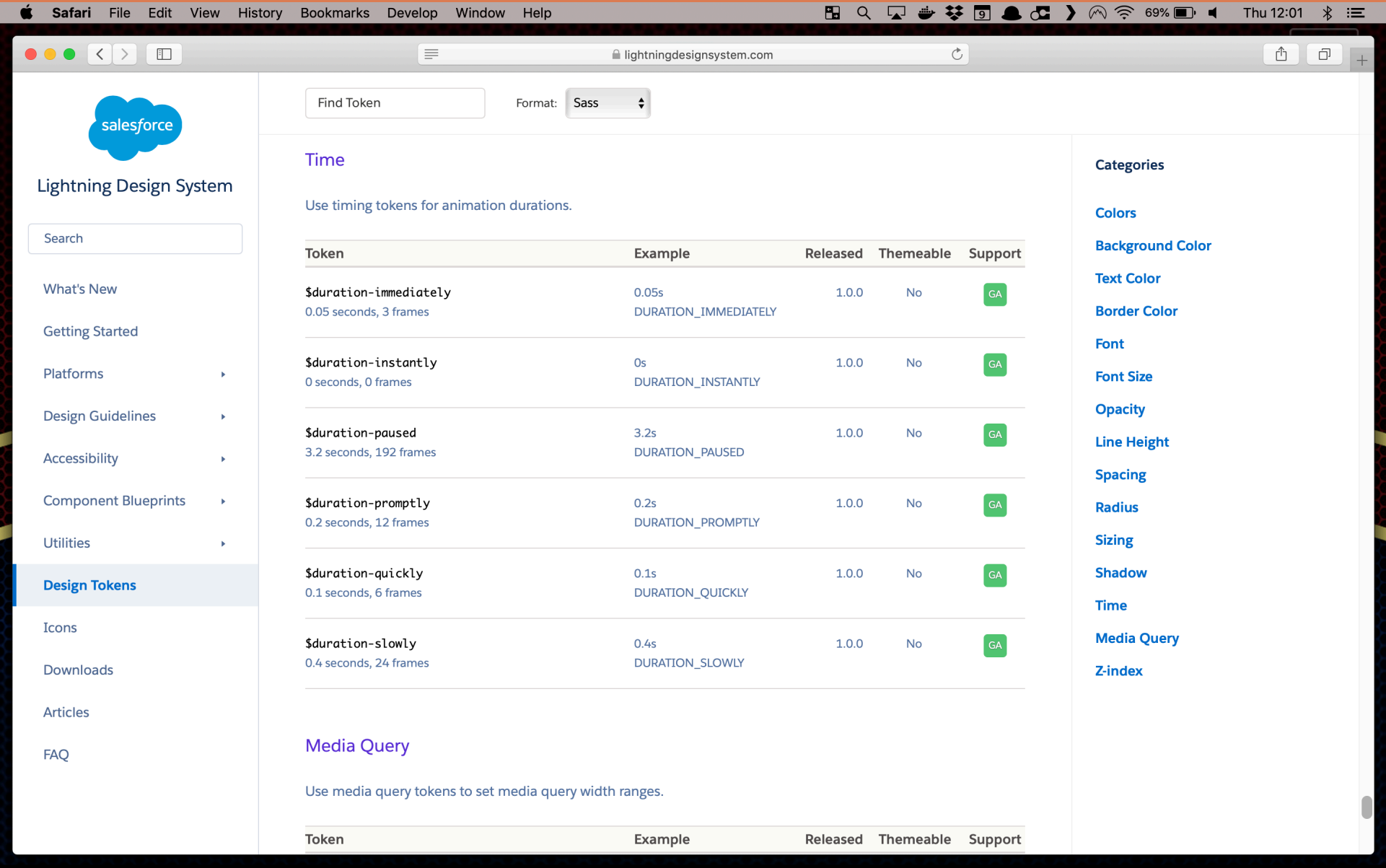
The screenshot shows a web browser window displaying the 'mineral-ui.com' website. The page is titled 'Border' and lists various border color variables and their corresponding hex values. The variables are organized into categories: What's New, Design (Color, Tokens, Typography), Guides (Getting Started, Theming, Styling, Import Syntax, Render Props), and Components (Avatar, Button, ButtonGroup, Card, Checkbox, Dialog, Dropdown). The 'Tokens' category is currently selected, and the 'Border' section is highlighted. The table lists 12 border color variables, each with a unique hex value and a corresponding color swatch.

Variable	Value
borderColor	#c8d1e0
borderColor_brand	#3272d9
borderColor_brand_active	#1d5bbf
borderColor_brand_focus	#1d5bbf
borderColor_brand_hover	#5691f0
borderColor_danger	#de1b1b
borderColor_danger_active	#b80d0d
borderColor_danger_focus	#b80d0d
borderColor_danger_hover	#f55353
borderColor_success	#2a854e
borderColor_success_active	#20693d
borderColor_success_focus	#20693d
borderColor_success_hover	#3ba164

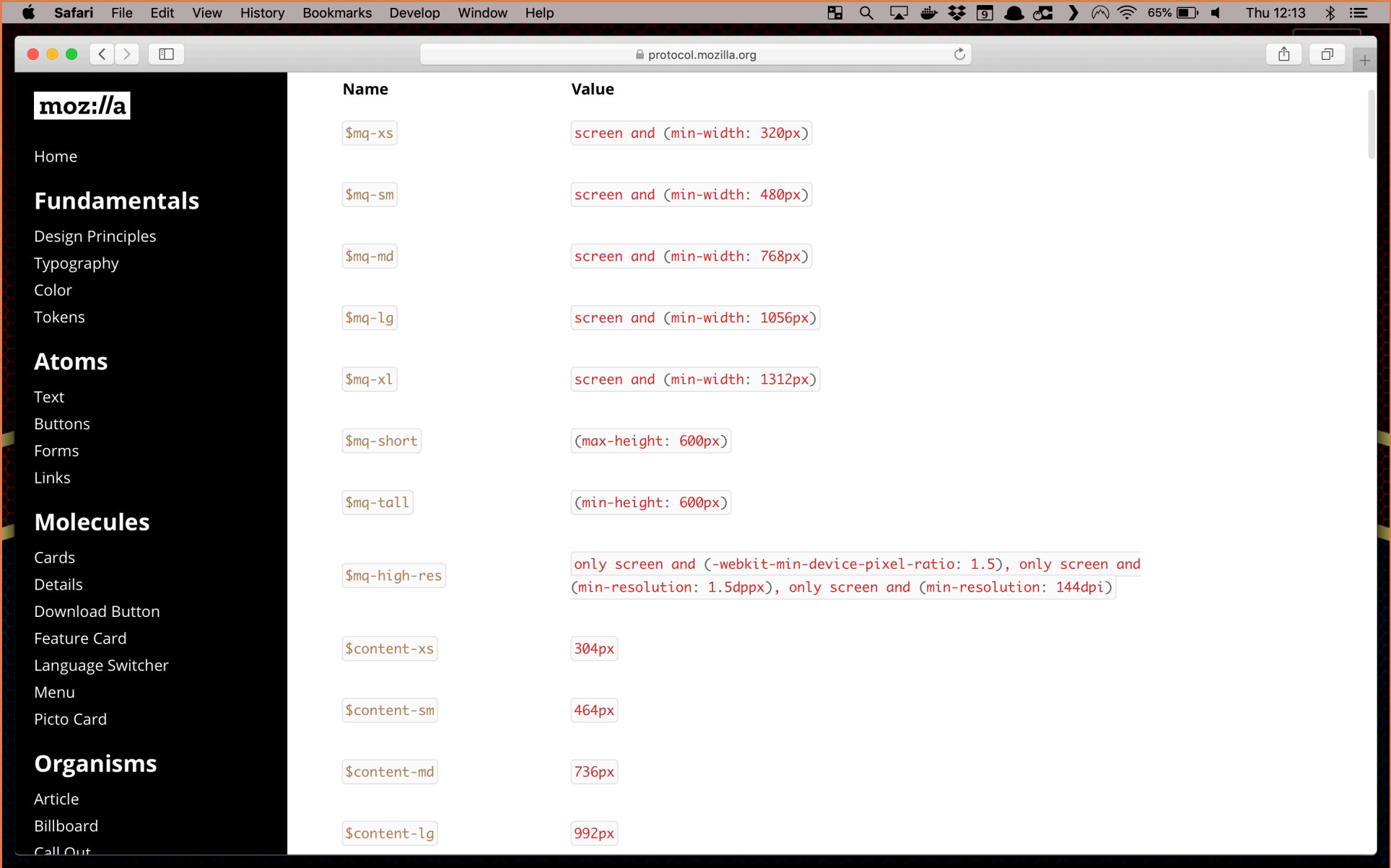
Shadows



Time



Breakpoints



The screenshot shows a web browser window with the address bar at protocol.mozilla.org. The page content is a table of breakpoints. On the left, there is a dark sidebar with a navigation menu. The table has two columns: 'Name' and 'Value'. The 'Name' column contains variables like \$mq-xs, \$mq-sm, \$mq-md, \$mq-lg, \$mq-xl, \$mq-short, \$mq-tall, \$mq-high-res, \$content-xs, \$content-sm, \$content-md, and \$content-lg. The 'Value' column contains the corresponding media queries, such as screen and (min-width: 320px) for \$mq-xs, and 304px for \$content-xs.

Name	Value
<code>\$mq-xs</code>	<code>screen and (min-width: 320px)</code>
<code>\$mq-sm</code>	<code>screen and (min-width: 480px)</code>
<code>\$mq-md</code>	<code>screen and (min-width: 768px)</code>
<code>\$mq-lg</code>	<code>screen and (min-width: 1056px)</code>
<code>\$mq-xl</code>	<code>screen and (min-width: 1312px)</code>
<code>\$mq-short</code>	<code>(max-height: 600px)</code>
<code>\$mq-tall</code>	<code>(min-height: 600px)</code>
<code>\$mq-high-res</code>	<code>only screen and (-webkit-min-device-pixel-ratio: 1.5), only screen and (min-resolution: 1.5dppx), only screen and (min-resolution: 144dpi)</code>
<code>\$content-xs</code>	<code>304px</code>
<code>\$content-sm</code>	<code>464px</code>
<code>\$content-md</code>	<code>736px</code>
<code>\$content-lg</code>	<code>992px</code>

moz://a

Home

Fundamentals

Design Principles

Typography

Color

Tokens

Atoms

Text

Buttons

Forms

Links

Molecules

Cards

Details

Download Button

Feature Card

Language Switcher

Menu

Picto Card

Organisms

Article

Billboard

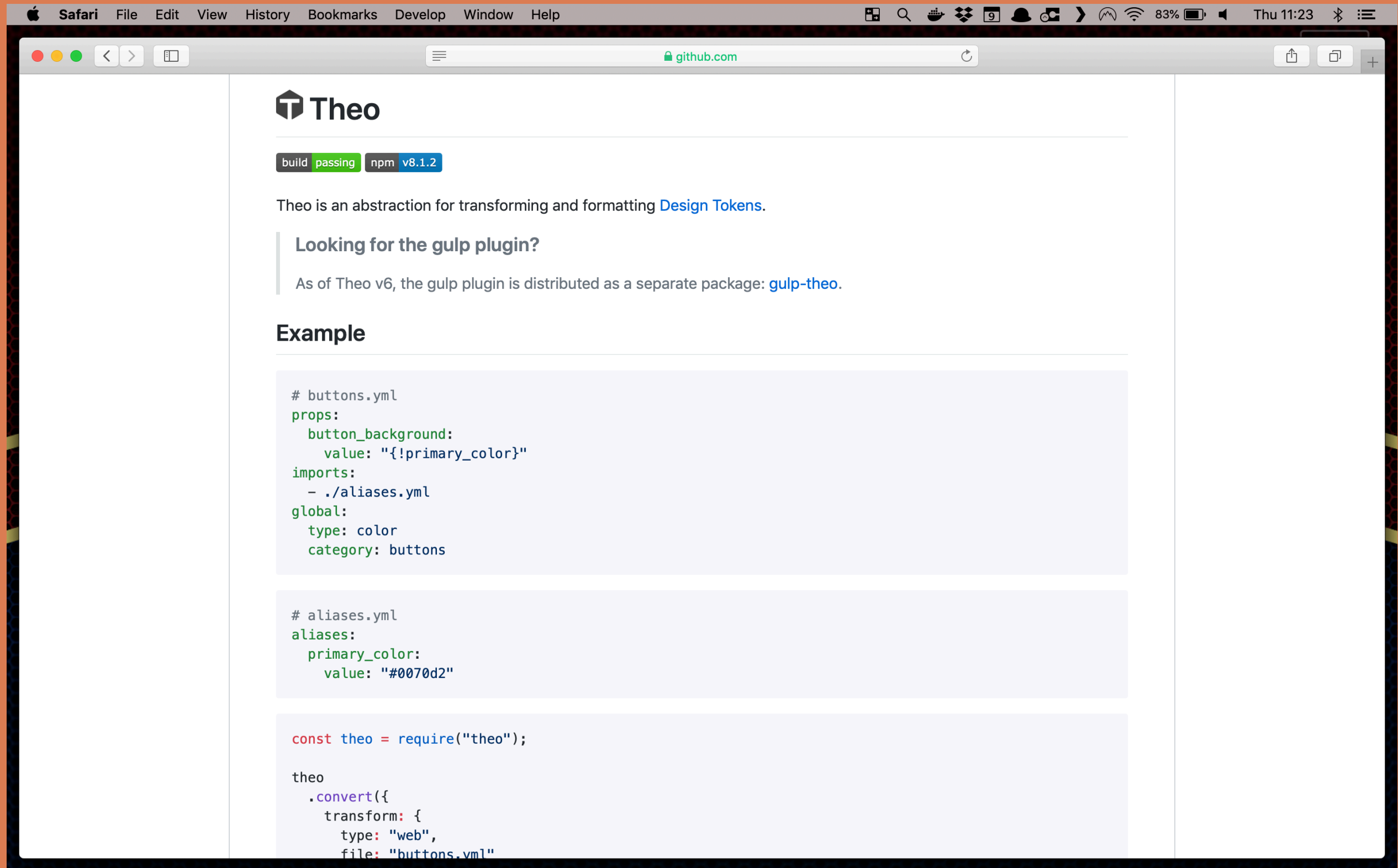
Call Out

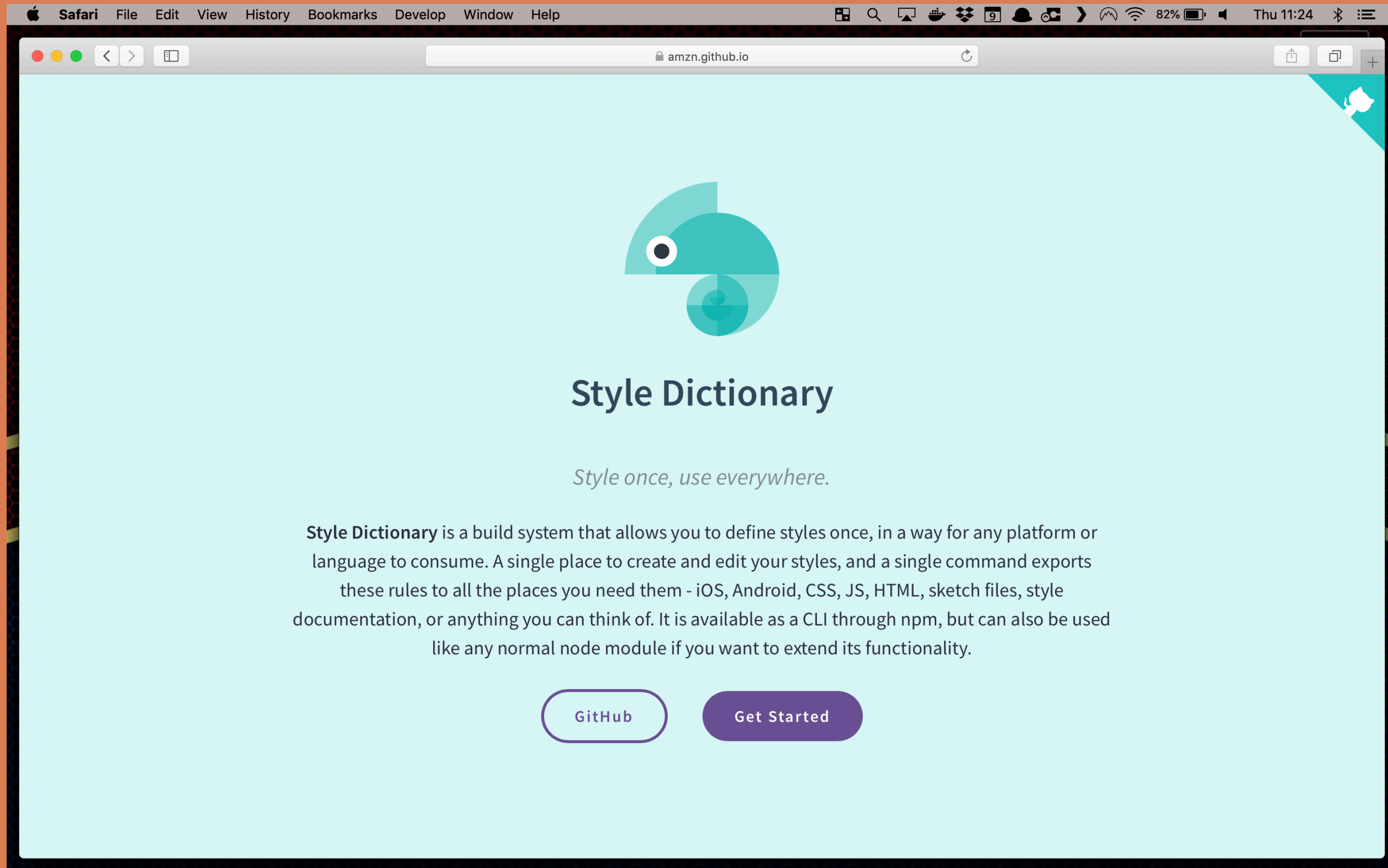
Aren't they just Sass variables?

“

Design Tokens are an abstraction for everything impacting the visual design of an app/platform.

— Sönke | @soenkerohde



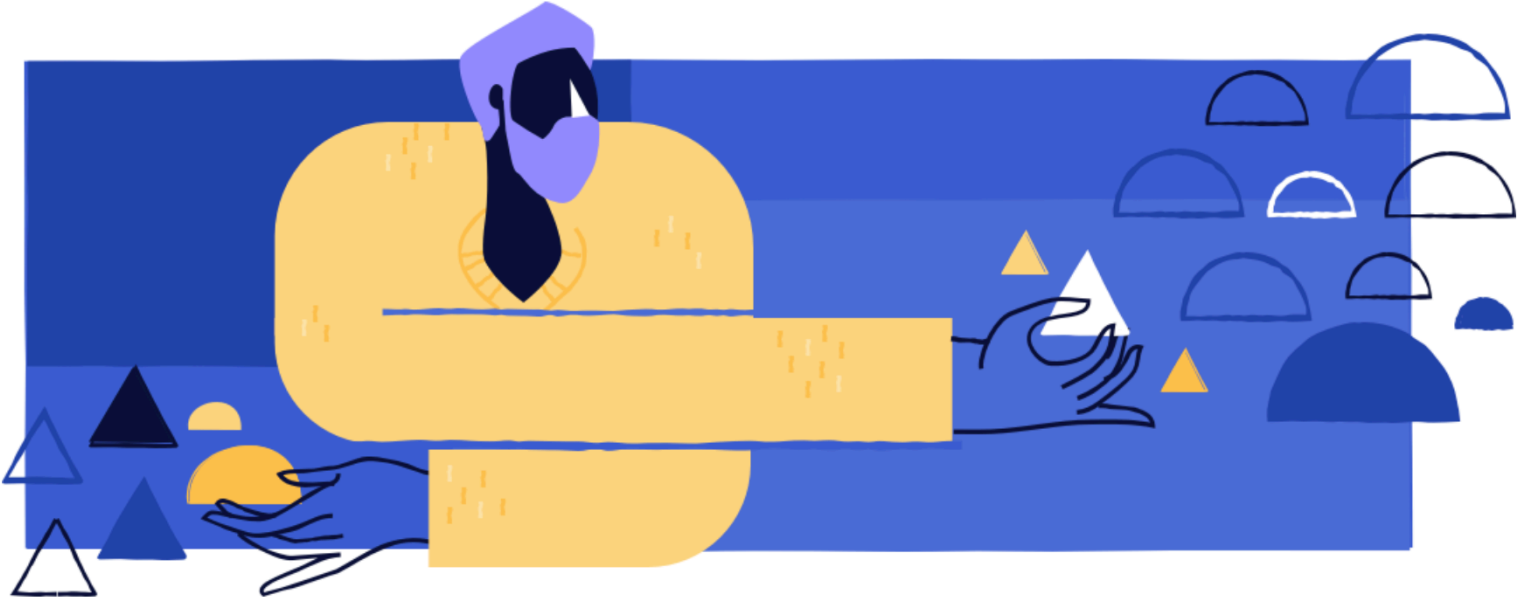


SafariFileEditViewHistoryBookmarksDevelopWindowHelp

github.com

Thu 13:58

Polaris design tokens



Colors, spacing, animation, and typography for all platforms

JavaScript · JSON · CSS · SCSS · Android · Sketch · macOS · Adobe Swatch

circleci

passing

npm

v2.5.0

code style

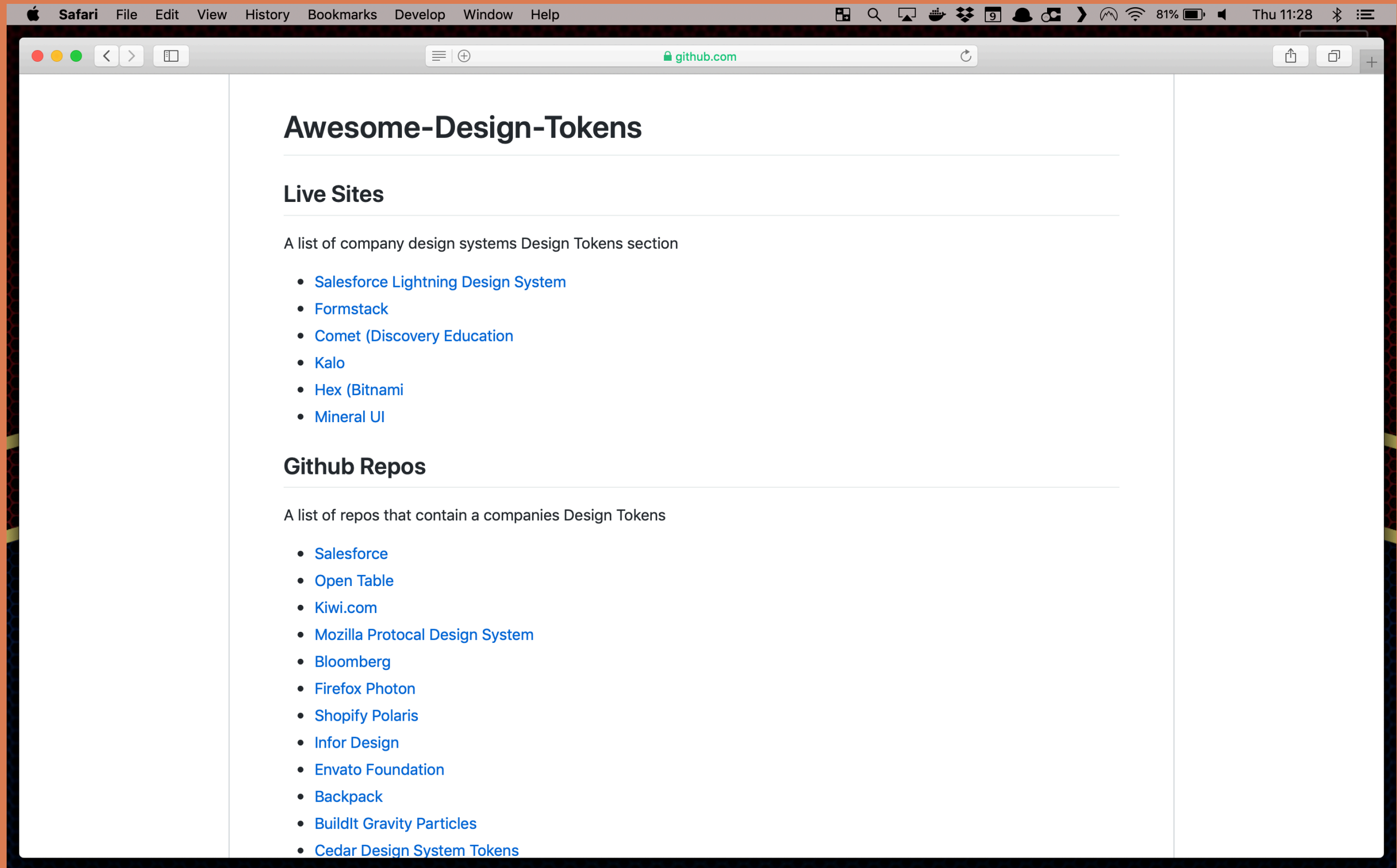
prettier

[Design tokens](#) for [Polaris](#), Shopify's design system.

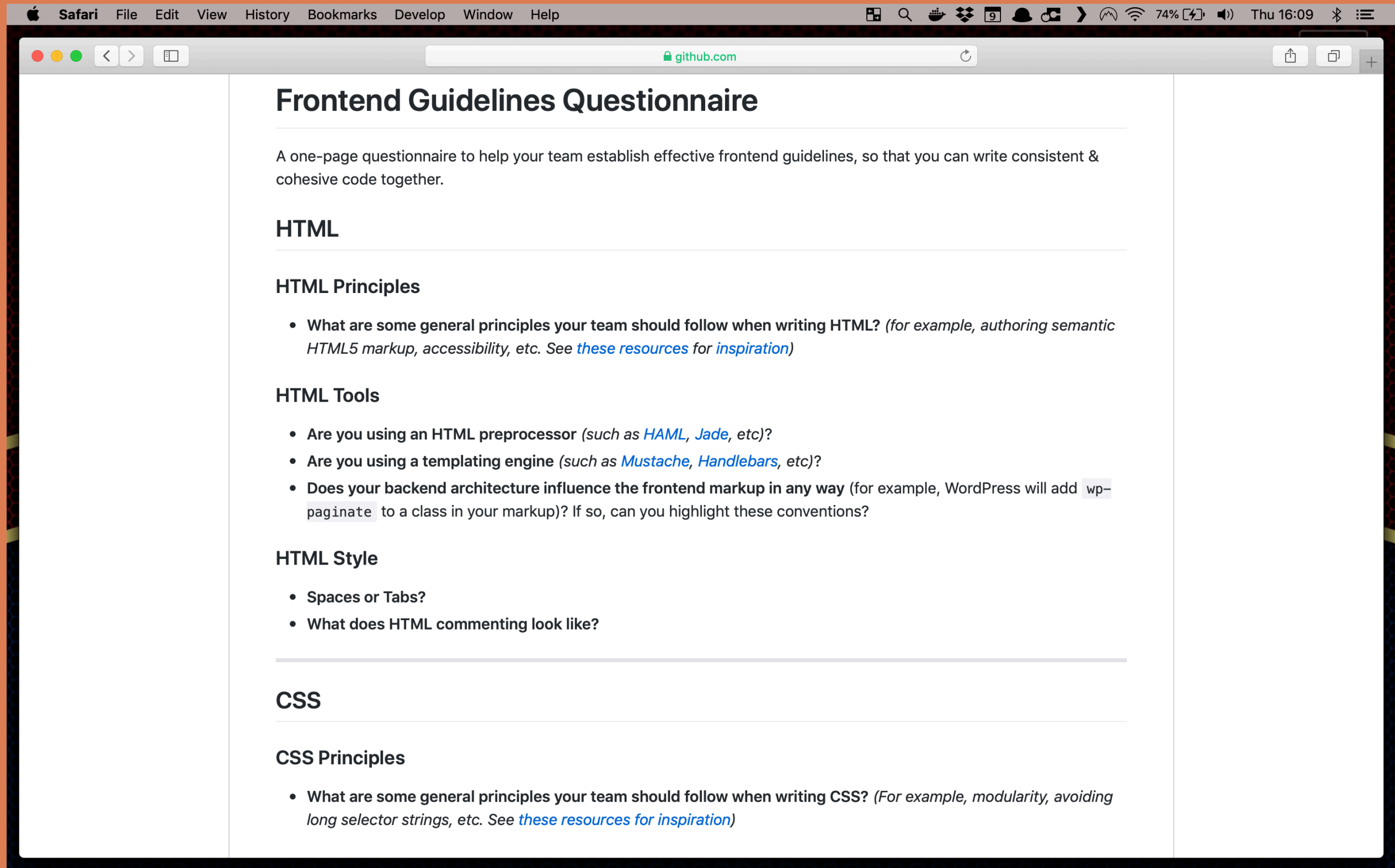
Design tokens originated at Salesforce, and the best way to describe them is to simply quote their documentation:

Design tokens are the visual design atoms of the design system — specifically, they are named entities that store visual design attributes. We use them in place of hard-coded values (such as hex values for color or pixel values for spacing) in order to maintain a scalable and consistent visual system for UI development – [Salesforce UX](#)

Installation



How will we code components?



About

Nunjucks

Beautiful, powerful templating language
for JavaScript.
well-indented
templating

Download Nunjucks

Github

Templating Docs

What is Liquid?

Liquid is an open-source template language.

Liquid is the backbone of Shopify theme development on storefronts.

Liquid has been in production use since 2005 on other hosted web applications.

Who uses Liquid?

Liquid



Download

Handlebars

power necessary to let you build server-side applications.

Compatible with Mustache templates. In fact, you can use Handlebars and continue using your existing Mustache templates.

Installation

JADE

NODE TEMPLATE ENGINE

Change Log

Contribute

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Jade</title>
    <script>
      if (false) {
        // ...
      }
    </script>
  </head>
  <body>
    <h1>Jade</h1>
    <div id="main">
      <p>You are looking at the Jade template engine source code and documentation.</p>
    </div>
  </body>
</html>
```

laptop needs more Sass. Grab a set of Sass stickers



TALL LEARN SASS BLOG DOCS

with superpowerful, ROBUST CSS

Sass is the most modern professional grade CSS in the world.

Version (3.4.22) Release Notes Fork on Github

FEATURE RICH

Sass boasts more features and abilities than any other CSS extension language out there. The Sass Core Team has worked endlessly to not only keep up, but stay ahead.

serif;

serif;

@sturobson | always-twisted.com | Design Systems and Front-End Architecture | Colchester Digital 2019



PostCSS

transforming CSS with JavaScript

code

CSS rules using values understander will use the data popularity and prefixes for you.

CSS input

```
:fullscreen {  
}
```

PostCSS is a CSS pre-processor, meaning that it extends the language with variables, mixins, functions and many other techniques to allow you to write more maintainable, themeable and extendable CSS.

PostCSS runs inside Node, in the browser and inside Rhino. There are many plugins that allow you to compile your files and watch for changes. If you want to experiment with less is our online editor.

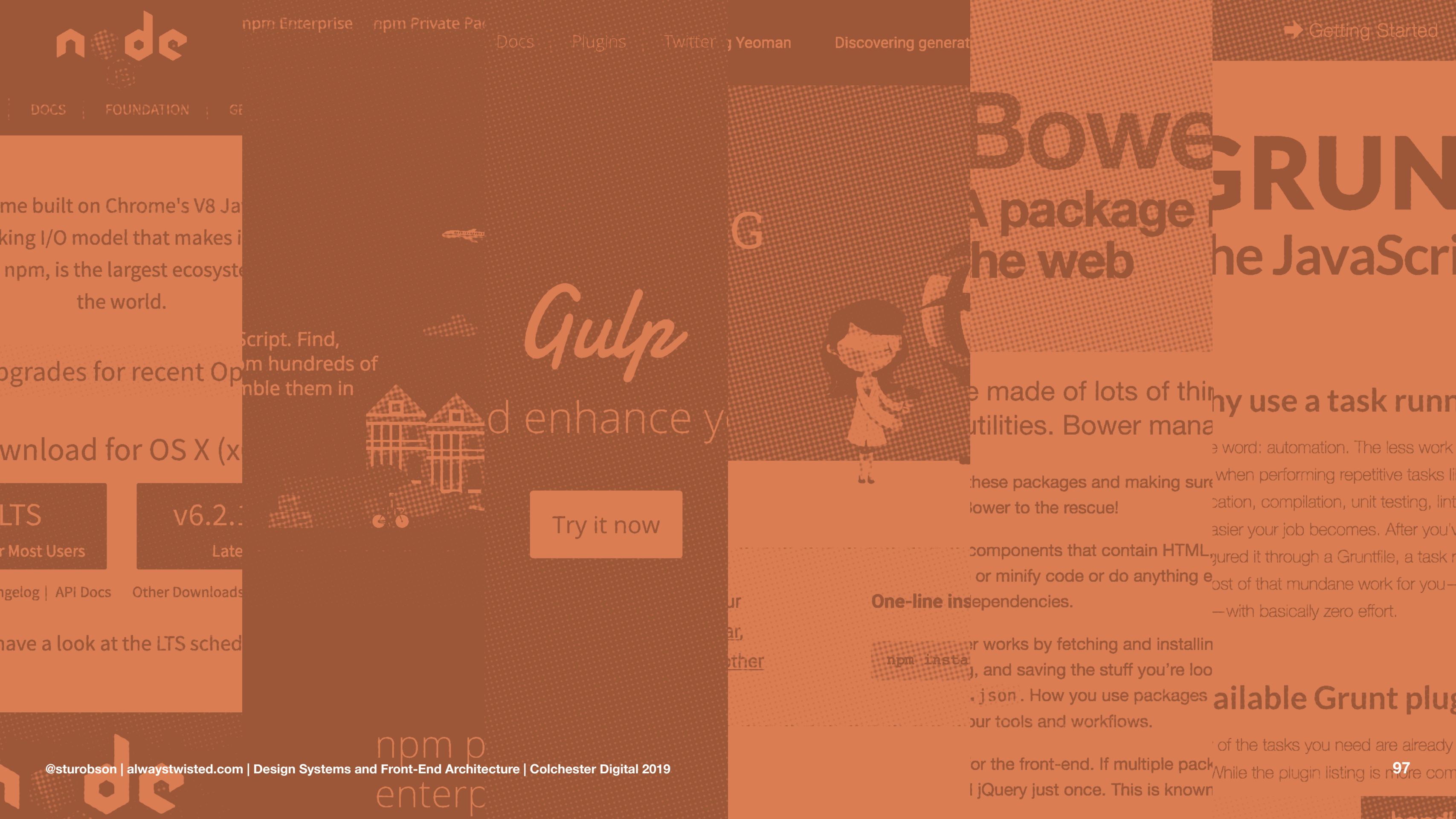
For example:

```
@base: #f938ab;
```



Use tomorrow's CSS, today

```
.box-shadow(@style, @c) when (iscolor(@c)) {  
  -webkit-box-shadow: @style @c;  
  box-shadow: @style @c;  
}
```

npm Enterprise

npm Private Pac

Docs

Plugins

Twitter

Yeoman

Discovering generat

→ Getting Started

DOCS

FOUNDATION

GE

me built on Chrome's V8 JavaScript engine, making I/O model that makes it the largest ecosystem in the world.

Script. Find, from hundreds of, enable them in

ownload for OS X (x

LTS

r Most Users

v6.2.1

Late

ngelog | API Docs

Other Downloads

have a look at the LTS sched



Gulp

d enhance yo

Try it now

G



BOWER

A package manager for the web

made of lots of third-party utilities. Bower mana

these packages and making sure Bower to the rescue!

components that contain HTML, or minify code or do anything e

One-line dependencies.

npm install

works by fetching and installing, and saving the stuff you're looking for in a package.json. How you use packages your tools and workflows.

for the front-end. If multiple packages I jQuery just once. This is known

GRUNT

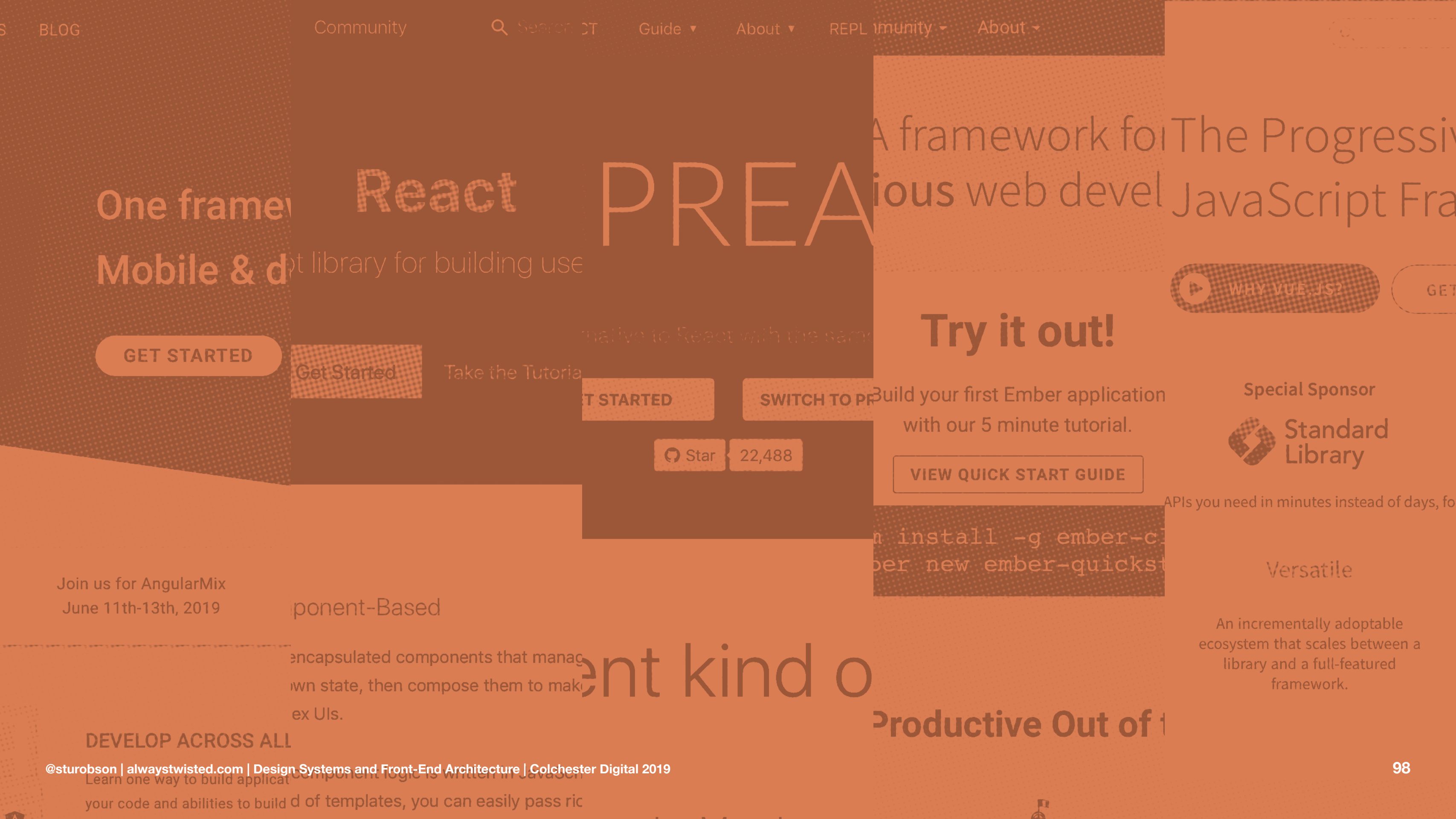
the JavaScript

Why use a task runner

word: automation. The less work when performing repetitive tasks like minification, compilation, unit testing, linting, asier your job becomes. After you've figured it through a Gruntfile, a task runner does most of that mundane work for you —with basically zero effort.

Available Grunt plugins

of the tasks you need are already While the plugin listing is more com



One framework

React

PREACT

A framework for The Progressive
web development JavaScript Framework

Mobile & desktop library for building user interfaces

GET STARTED

Get Started

Take the Tutorial

Alternative to React with the same

GET STARTED

SWITCH TO PREACT

Star

22,488

Try it out!



WHY VUE.JS?

GET

Build your first Ember application
with our 5 minute tutorial.

VIEW QUICK START GUIDE

Special Sponsor



Standard
Library

APIs you need in minutes instead of days, for

```
npm install -g ember-cli
ember new ember-quickstart
```

Versatile

An incrementally adoptable
ecosystem that scales between a
library and a full-featured
framework.

Join us for AngularMix
June 11th-13th, 2019

Component-Based

encapsulated components that manage
own state, then compose them to make
complex UIs.

DEVELOP ACROSS ALL

@sturobson | alwaystwisted.com | Design Systems and Front-End Architecture | Colchester Digital 2019

Learn one way to build applications
your code and abilities to build d of templates, you can easily pass ric

Productive Out of the

“

The Design System framework has to be platform-agnostic and meet the needs of users on a variety of different technology stacks..

— Stephanie Sullivan Rewis | @stefnull



@murb@todon.nl

@murb

Follow



Today's discussion: will your design change sooner than the front end framework you choose to be using? In other words: build design systems solely using react, or stick with solid css/html (maybe with react components lib on top)?

58% Solid HTML/CSS/Least JS ✓

24% React

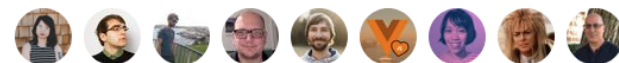
14% Custom Elements

4% Other...

232 votes • 1 day left

9:04 am - 6 May 2019

8 Retweets 8 Likes



5



8



8



Methodologies

o o c s s

BEM

SMAcss

ITcss

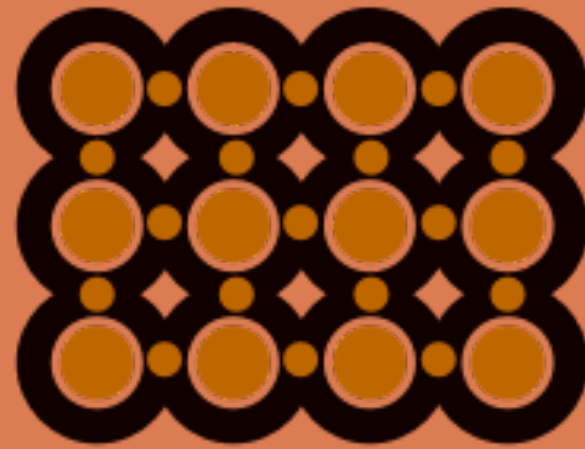
OOBEMITSCSS



atoms



molecules



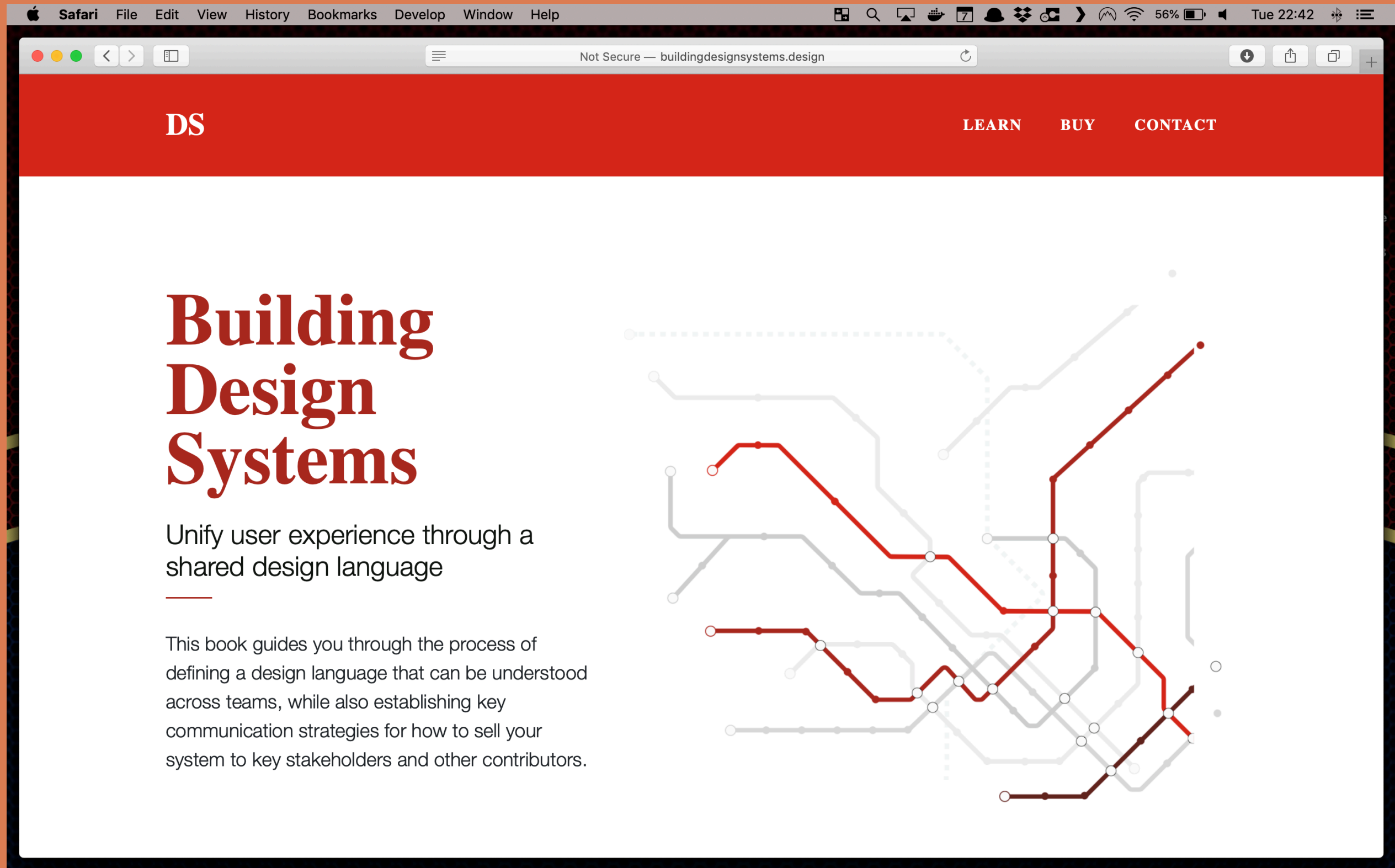
organisms



templates



pages



Namespacing

Component Type

```
.a-button { ... }  
.m-signup { ... }  
.o-masthead { ... }
```



Serving Many Teams

Namespacing

Product Type

```
.vf-heading { ... }
```

```
.vf-news-item_heading { ... }
```

```
.vf-news-group_heading { ... }
```

Namespacing

```
.vf-grid { ... }
```



```
.embl-grid { ... }
```

Guidelines

Guidelines

and styleguide for web
and scalable Sass

s that power GitHub.

le Guide by @n

ing flexible, durable, and susta



level advice an
nes for writing
eable, scalabl

s been translated into several langua
h.

Open source

Available for use under the MIT license
and built with open source projects like
SCSS, Jekyll, Grunt, and more.

its

About The Author

@sturobson | alwaystwisted.com | Design Systems and Front-End Architecture | Colchester Digital 2019

My name is Hugo Giraudel. I am a 23 year

Linting

Will you be...
(And help...)

got.

• You avoid errors and enforce conventions in your code

- **tax** including custom properties and level 4 selector
- **HTML**, **markdown** and **CSS-in-JS** object & template
- **CSS**, **Sass**, **Less** and **SugarSS**
- **catch errors**, apply limits and enforce stylistic decisions
- **create your own rules** or make use of **plugins** with **rulesets**
- **rulesets** (*experimental feature*)
- **unit tests**
- **so that you can extend** or create your own of **rulesets**
- **customize** the linter to your exact needs
- **is used** by **Facebook**, **GitHub** and **WordPress**

FOUR

JSLint

clear

Options

Search the docs...

User gui

Source

[Get Started »](#)

illy created by Nicholas C. Zaka

Rules

117

General philosophy

ESLint comes with a complete list.

What makes a component?

I am a Button

Variants

- **Typography**
- **Palette**
- **Borders**
- **Shadow**
- **Spacing**
- **Interaction: hover, focus, active states**

Typography

- font family
- font size
- font weight
- text transform

Palette

- text colour
- background colour

Borders

- border colour
- border style
- border width
- border radius

Spacing

- padding top
- padding bottom
- padding left
- padding right

- margin top
- margin bottom
- margin left
- margin right

Interactive States

- hover text colour
- hover background colour
- hover box shadow
- focus text colour
- focus background colour
- focus box shadow
- focus border colour
- focus border width
- transition duration
- transition property
- transition timing function

I am a Button

I am a Button

I am a Button

I am a Button

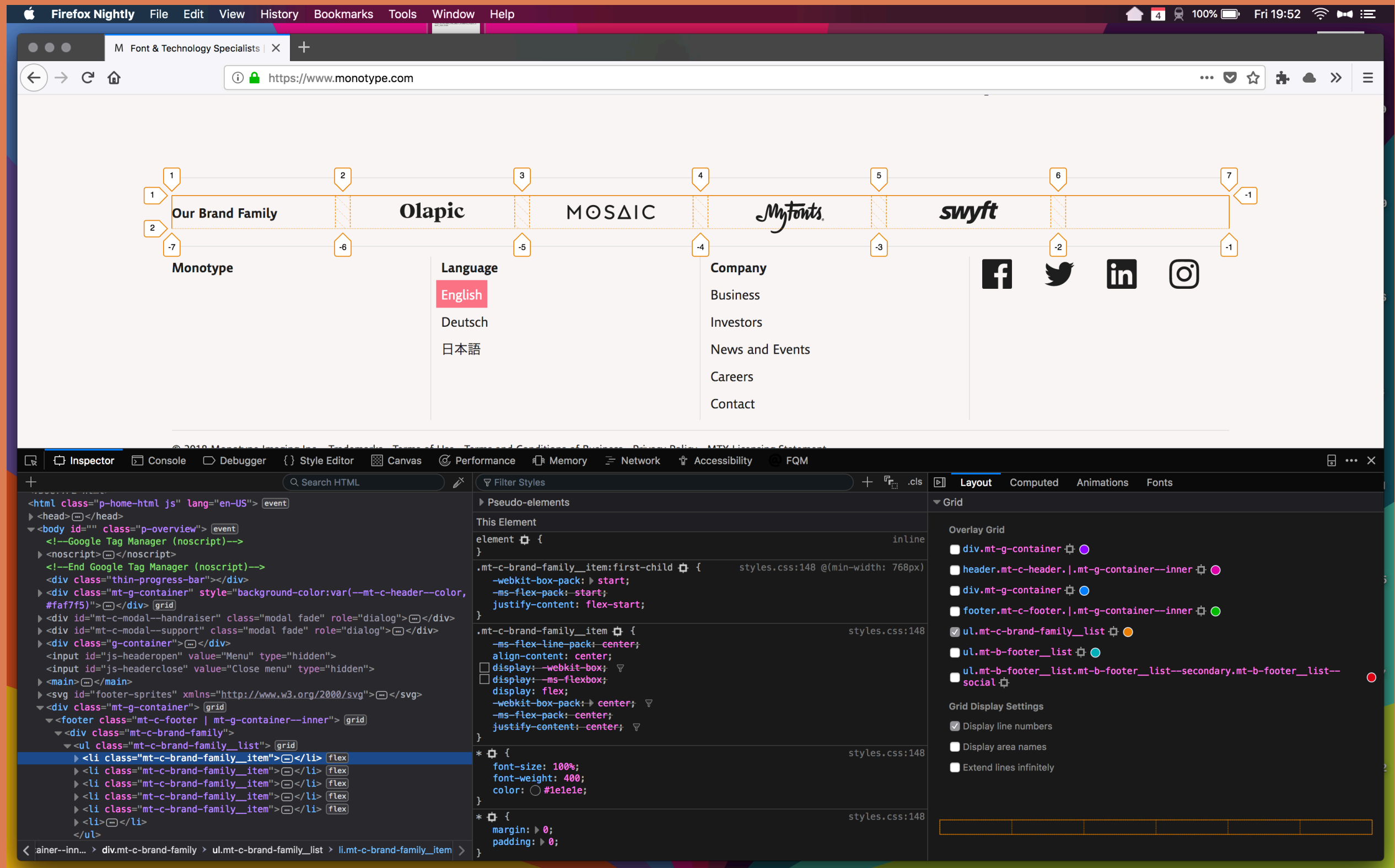
I am a Button

I am a Button

“

If you aren't explicit in the way an object's hover states, touch states, open or closed states, etc., then chances are they will be overlooked and not built.

— Jina | @jina



Our Brand Family

Olapic

MOSAIC

MyFonts

swyft

Monotype

Shop

Language

English

Deutsch

日本語

中文

About Us

Investors

News and Events

Careers

Contact



©2018 Monotype Imaging Inc. Trademarks Terms Of Use Terms & Conditions Of Business Privacy Policy MTX Licensing Statement
Monotype is not responsible for the content or functionality of third party websites linked from our site. Learn more [here](#).



Question 1:

What type of tail does the upper-case "Q" have?

Next Question

Q

Crosses the circle.

Q

Touches the circle.

Q

Below and separated from the circle.

Q

Tail extends or lies inside the circle.

Stay in the loop:

you@domain.com

Sign Up

Past Newsletters

Find Your Type

[ABOUT](#) [BLOG](#) [FONT TOOLS](#) [SERVICES](#) [SUBMIT FONTS](#) [AFFILIATE PROGRAM](#) [SUPPORT](#) [CONTACT](#) [LANGUAGE ▼](#)

[Monotype](#) [Legal](#) [Sitemap](#) [Font Index](#) [f](#) [t](#) [g+](#) [globe](#)

THE MONOTYPE BRAND FAMILY

Monotype

Olapic

MOSAIC

MyFonts

swyft

FREE WEB FONTS



[Help](#) [Webfonts](#) [Licensing](#) [Blog](#) [Newsletters](#) [Legal](#) [Sell Your Fonts](#) [Get Short URL](#)

The Monotype Brand Family

Olapic

MOSAIC

MyFonts

swyft



A Monotype Company

Copyright © 1999–2018 MyFonts Inc.

LEARN HOW TO ACHIEVE 680%* ROI

DOWNLOAD THE REPORT

*Based on The Total Economic Impact™ of Olapic, a May 2017 commissioned study conducted by Forrester Consulting on behalf of Olapic.

Olapic

ABOUT

#OLASTORIES

PRESS

LEARN MORE

TRUST

JOBS

TERMS OF SERVICE

PRIVACY POLICY

f FACEBOOK

✈ TWITTER

📷 INSTAGRAM

in LINKEDIN

WANT EARNED CONTENT UPDATES?

GET OUR EMAILS



OUR BRAND FAMILY

Olapic

MOSAIC

MyFonts

swyft

© 2017 Olapic Inc All rights reserved

Empower your brand advocates.

SHOW ME

Monetize your branded content.

SHOW ME

Deliver engaging content.

SHOW ME

swyft

A Monotype Company

©2017 Monotype Imaging Inc.

CASE STUDIES RESOURCES PRESS BLOG CONTACT US PRIVACY POLICY / T&C

THE MONOTYPE BRAND FAMILY

Olapic

MOSAIC

MyFonts

swyft



Stuart Robson

@StuRobson

Follow



... ending the week finding out the one product of my clients I would never expect to use any cross-product pattern is going to be implementing this too.

One pattern, 2 variants, 8 products.

Stuart Robson @StuRobson

... or that other product of my clients I've just found out about that wants to use the same pattern.

One pattern, 2 variants, 7 products.

[Show this thread](#)

10:06 am - 13 Apr 2018

1 Like



1

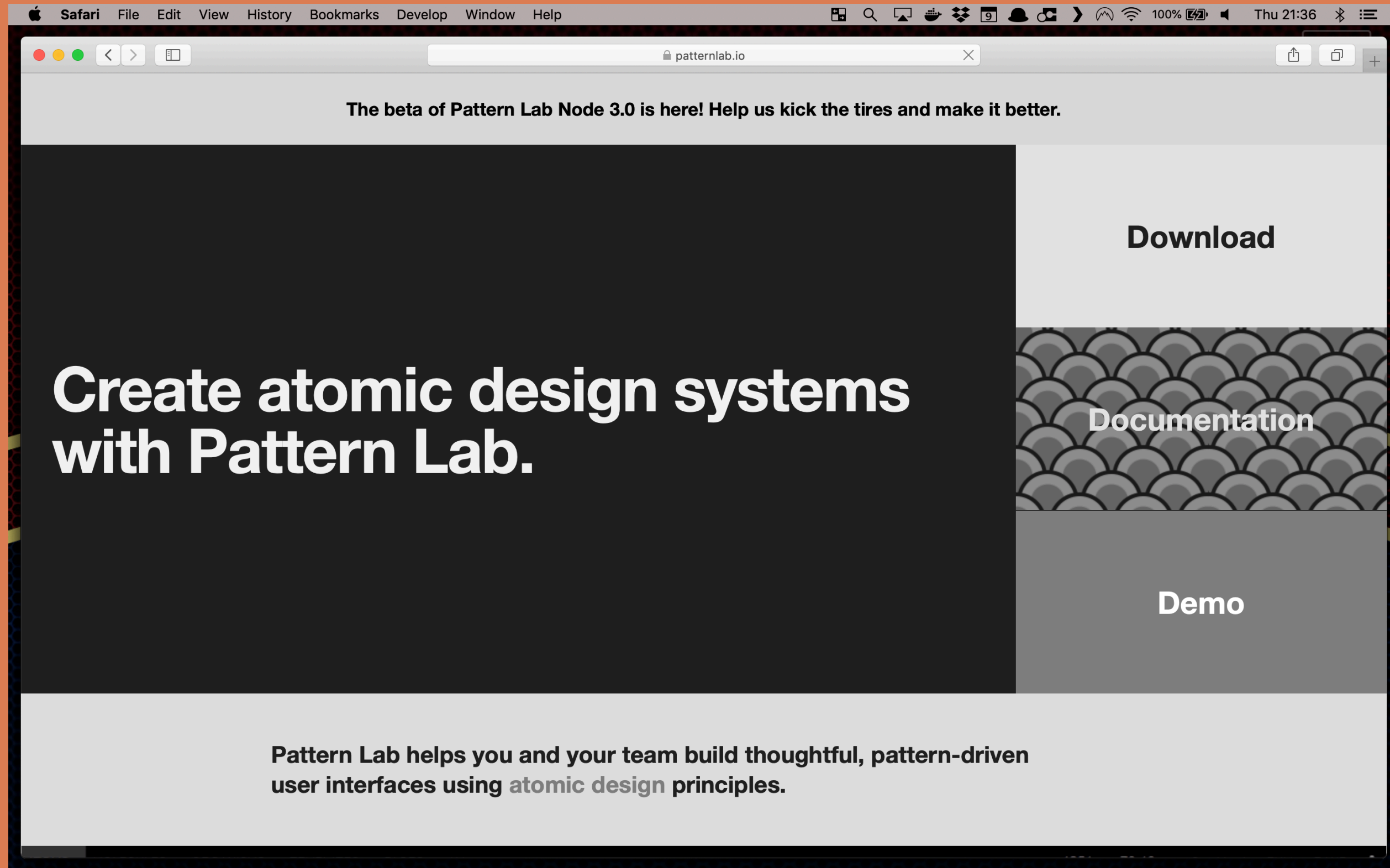


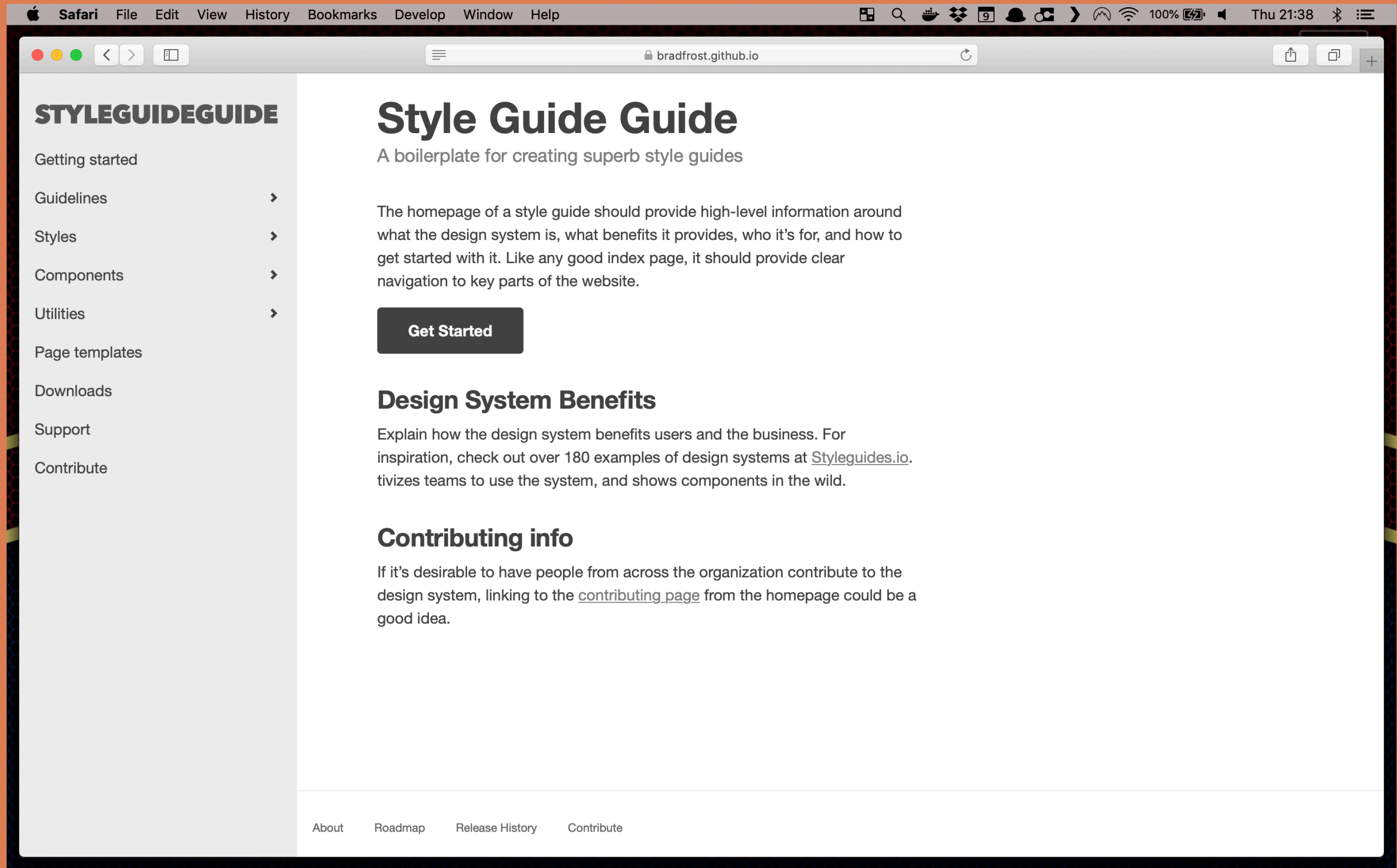
How do we maintain a Design System?

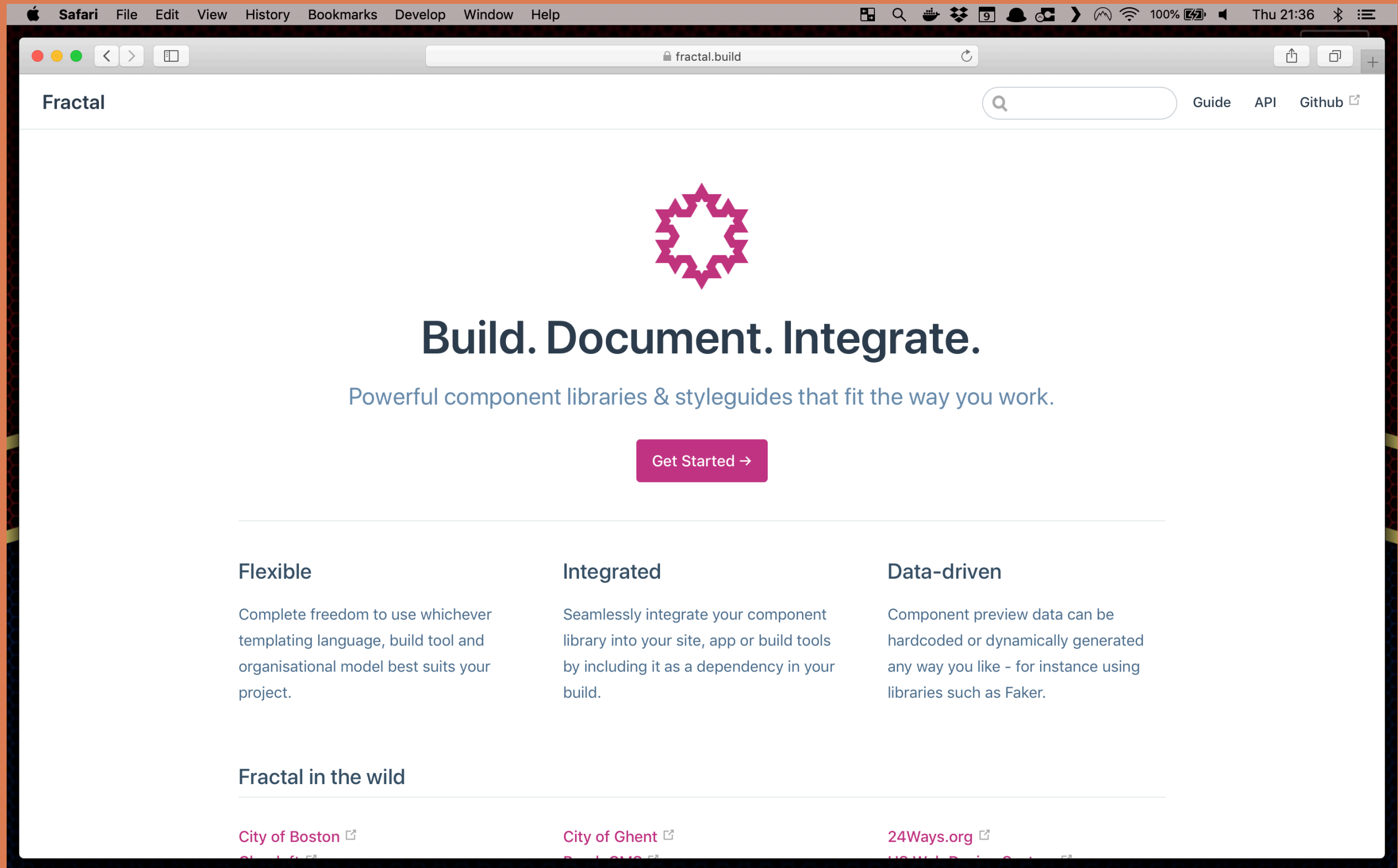
“

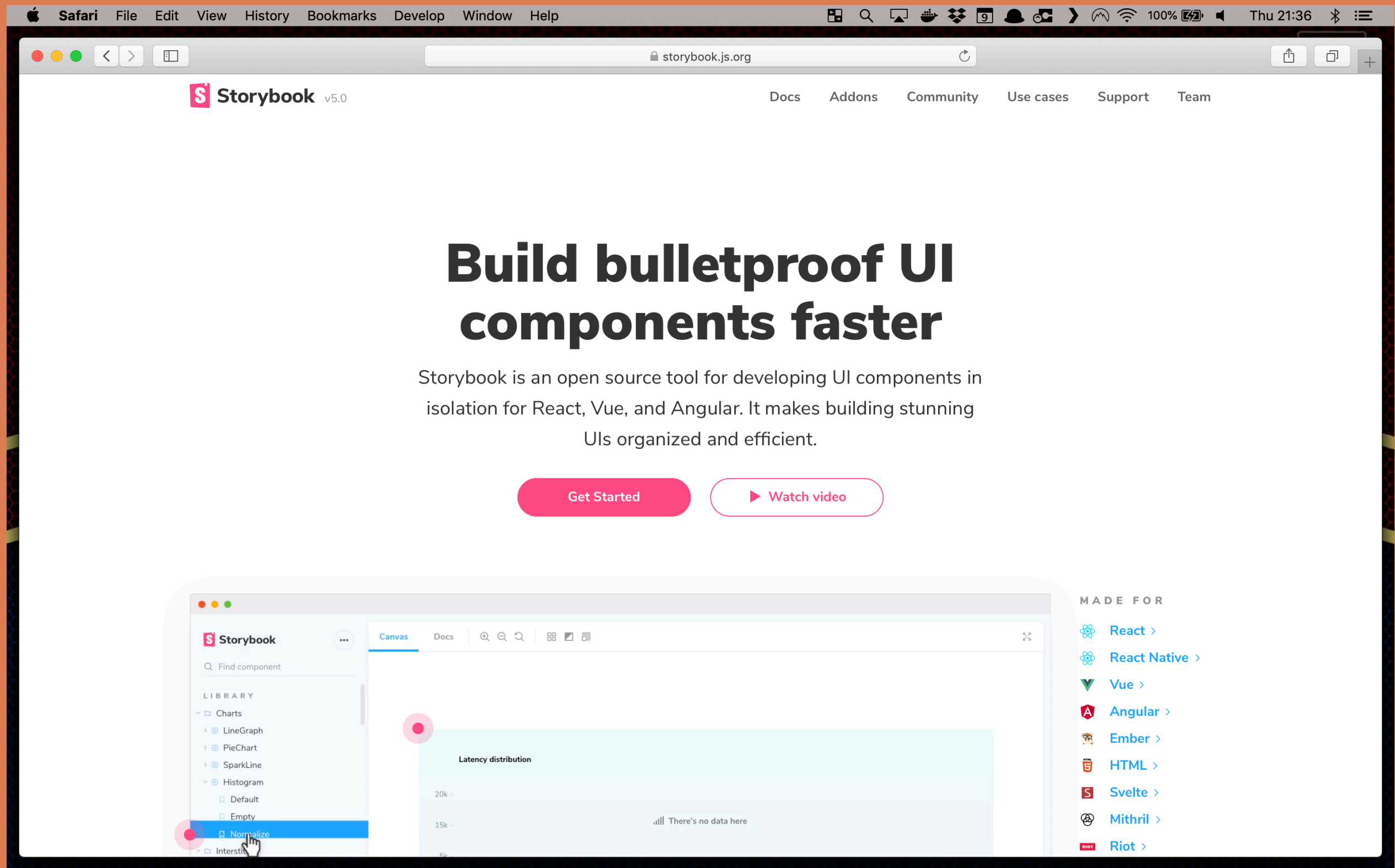
Design systems need be easy and desirable to use by the teams using them.

— Charlotte Jackson | @lottejackson

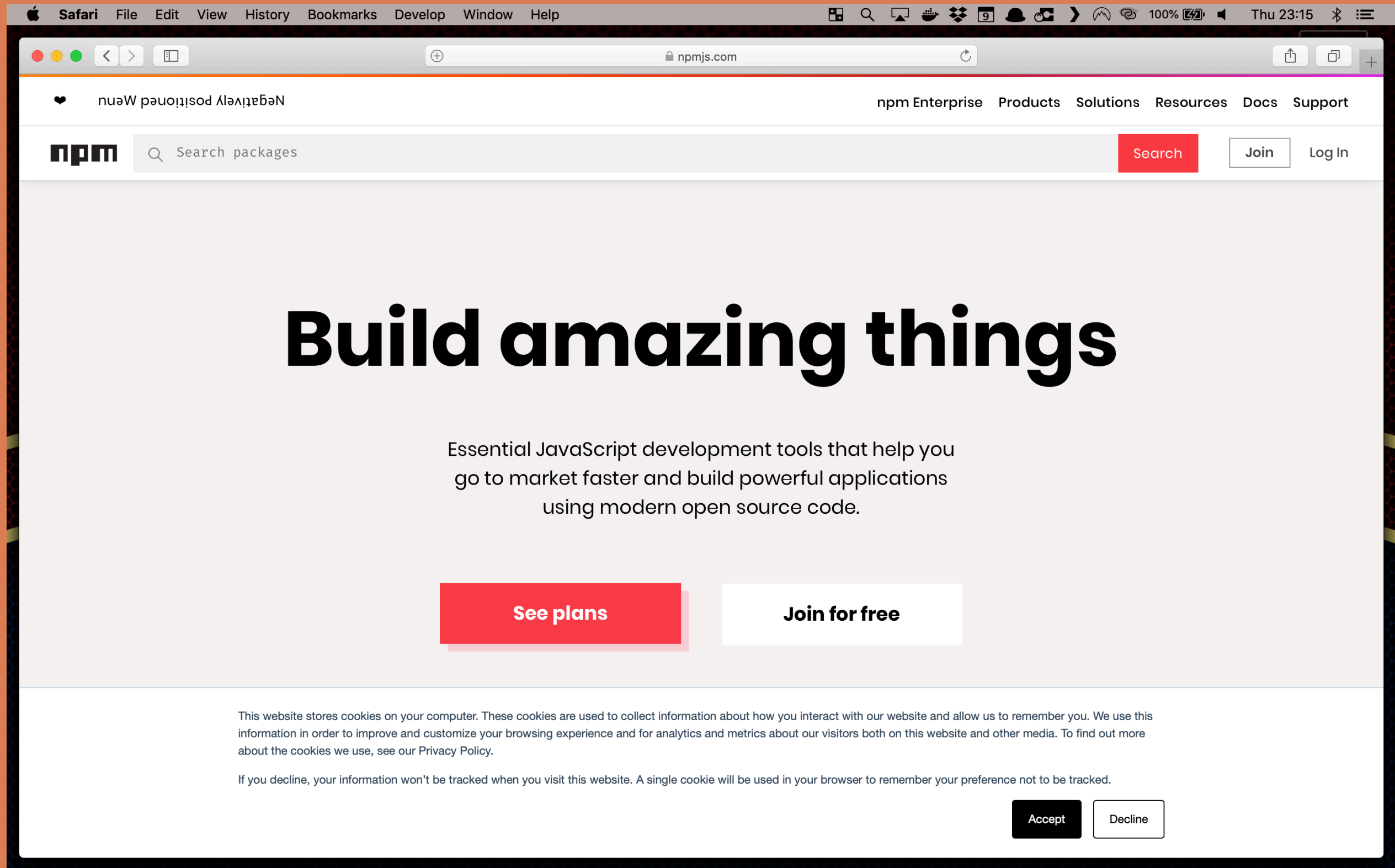


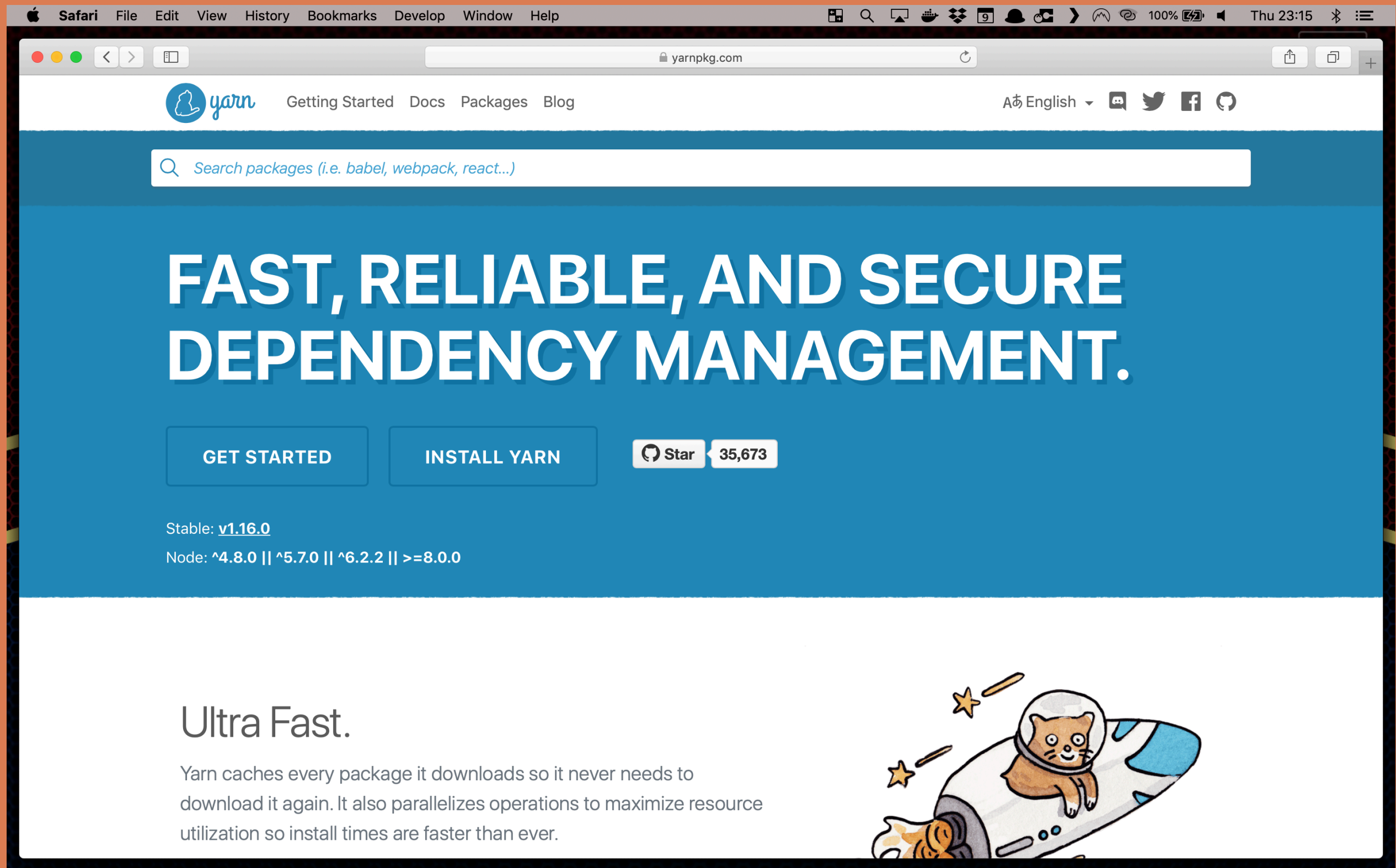


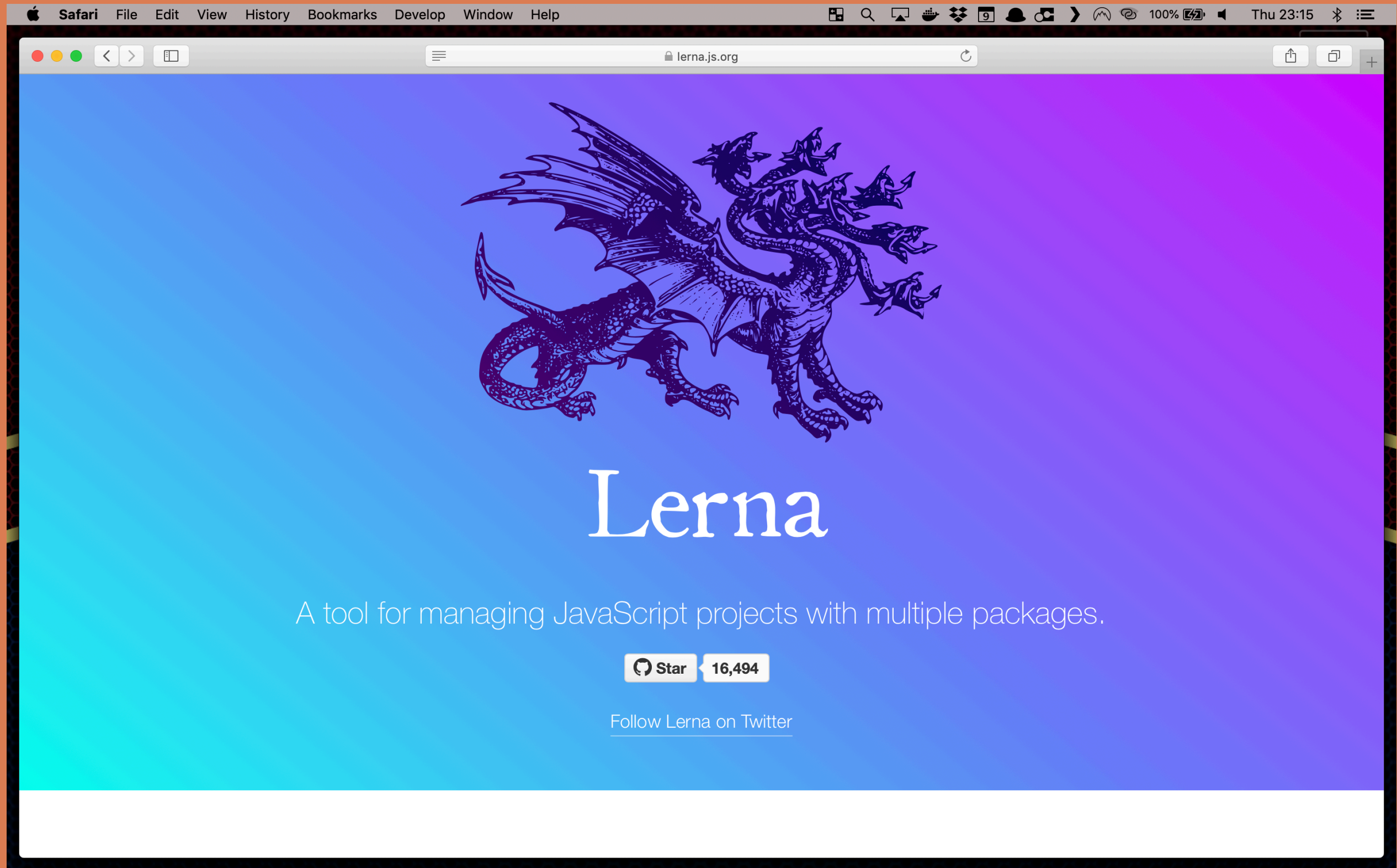


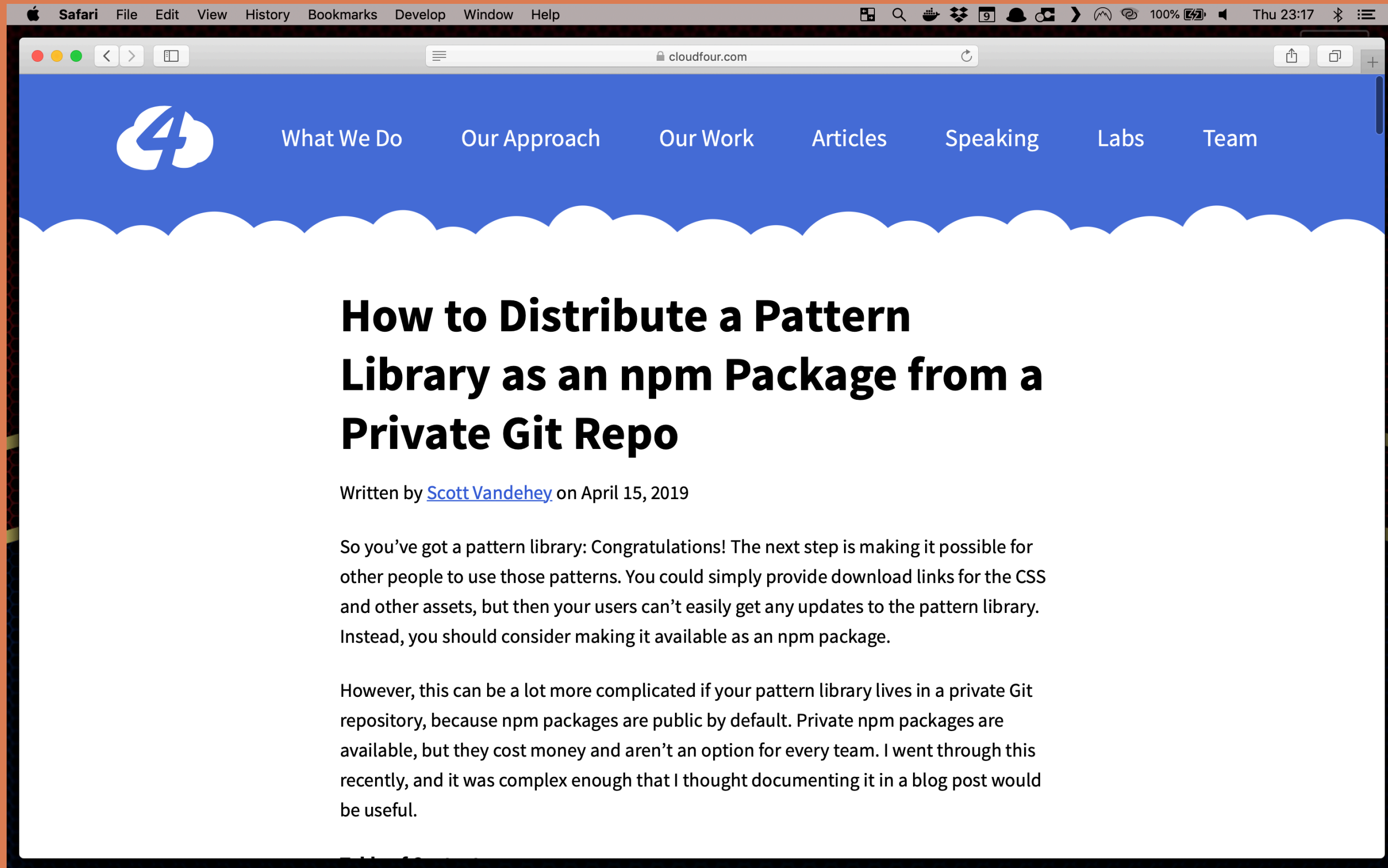


Distribution





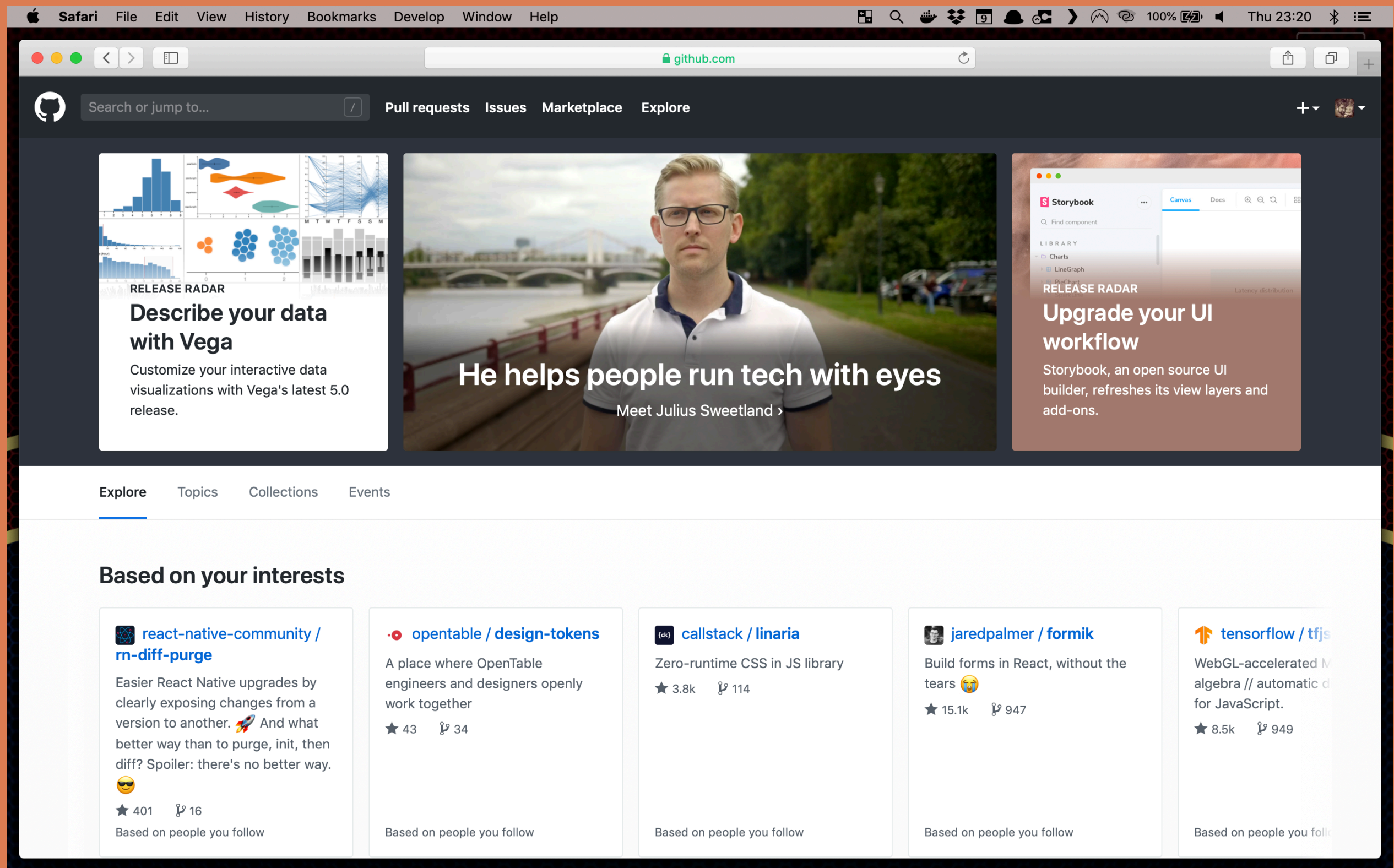


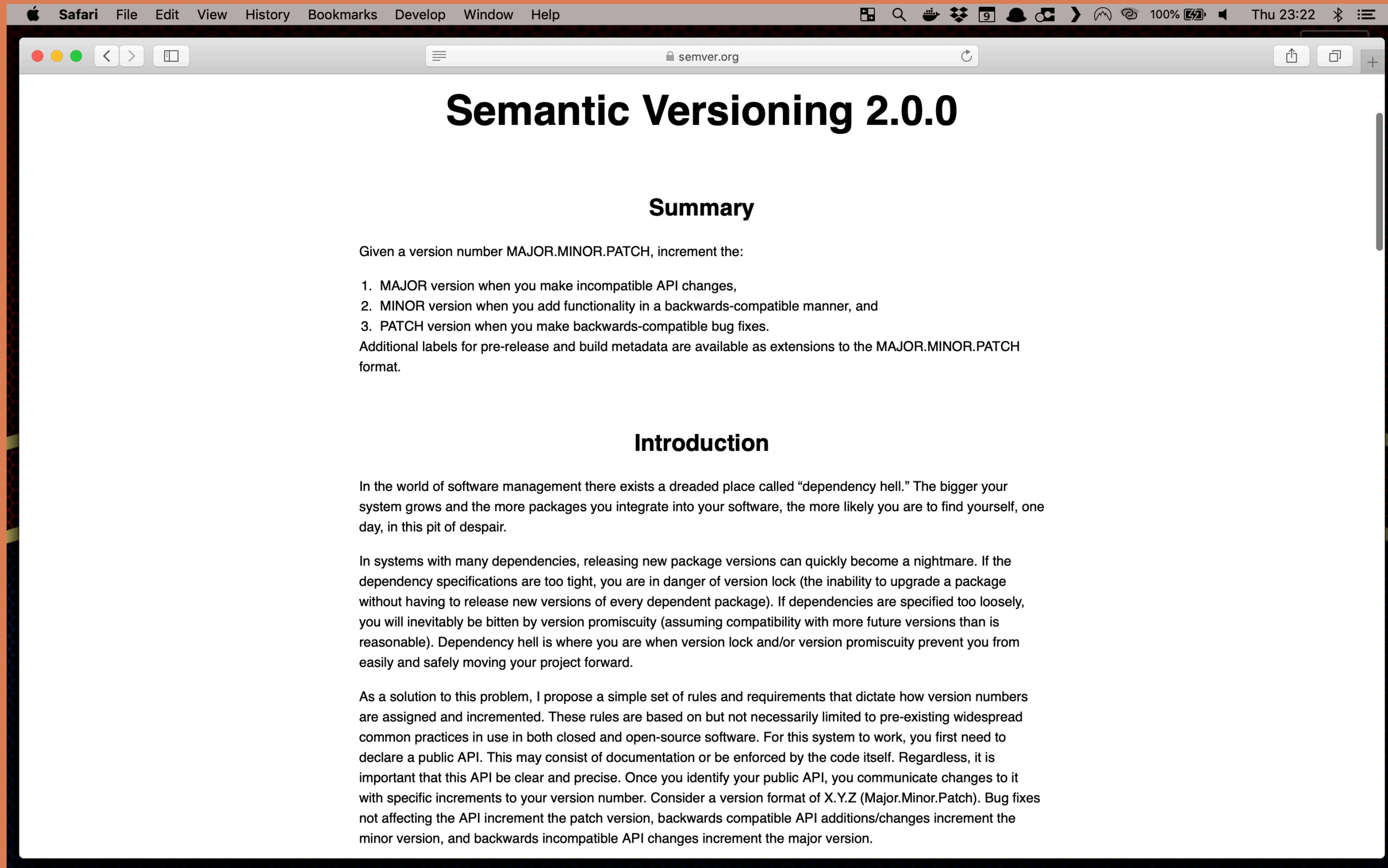


```
npm install my-components
```

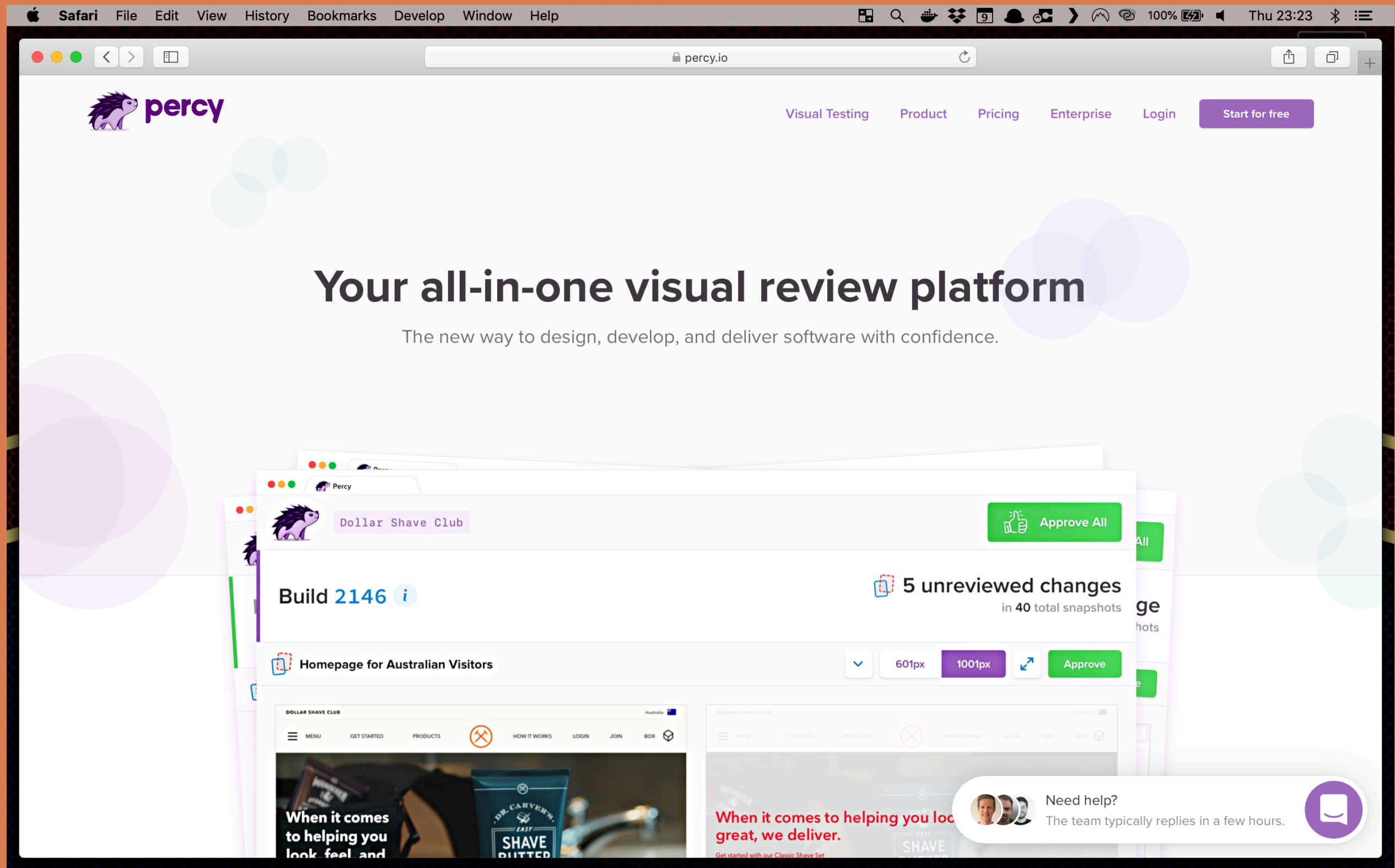
```
npm install my-components/my-button
```

Versioning





Testing

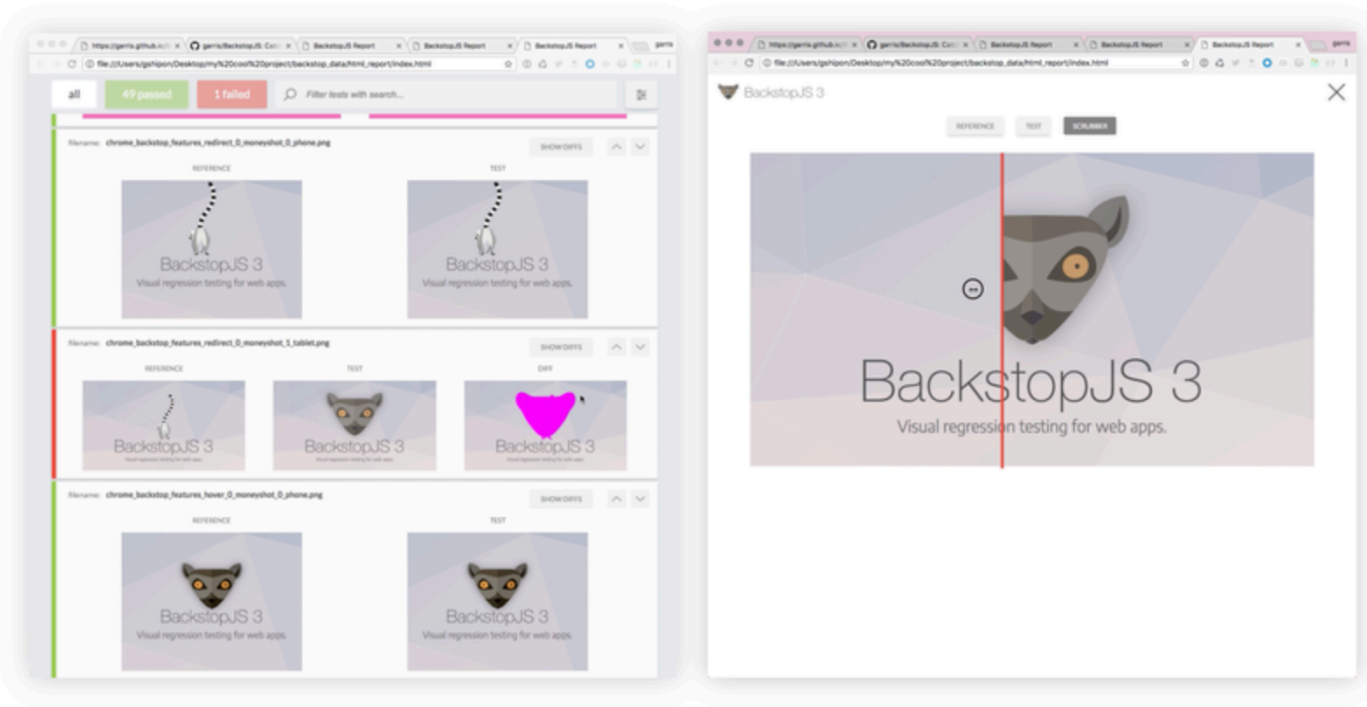


Safari File Edit View History Bookmarks Develop Window Help Thu 23:25

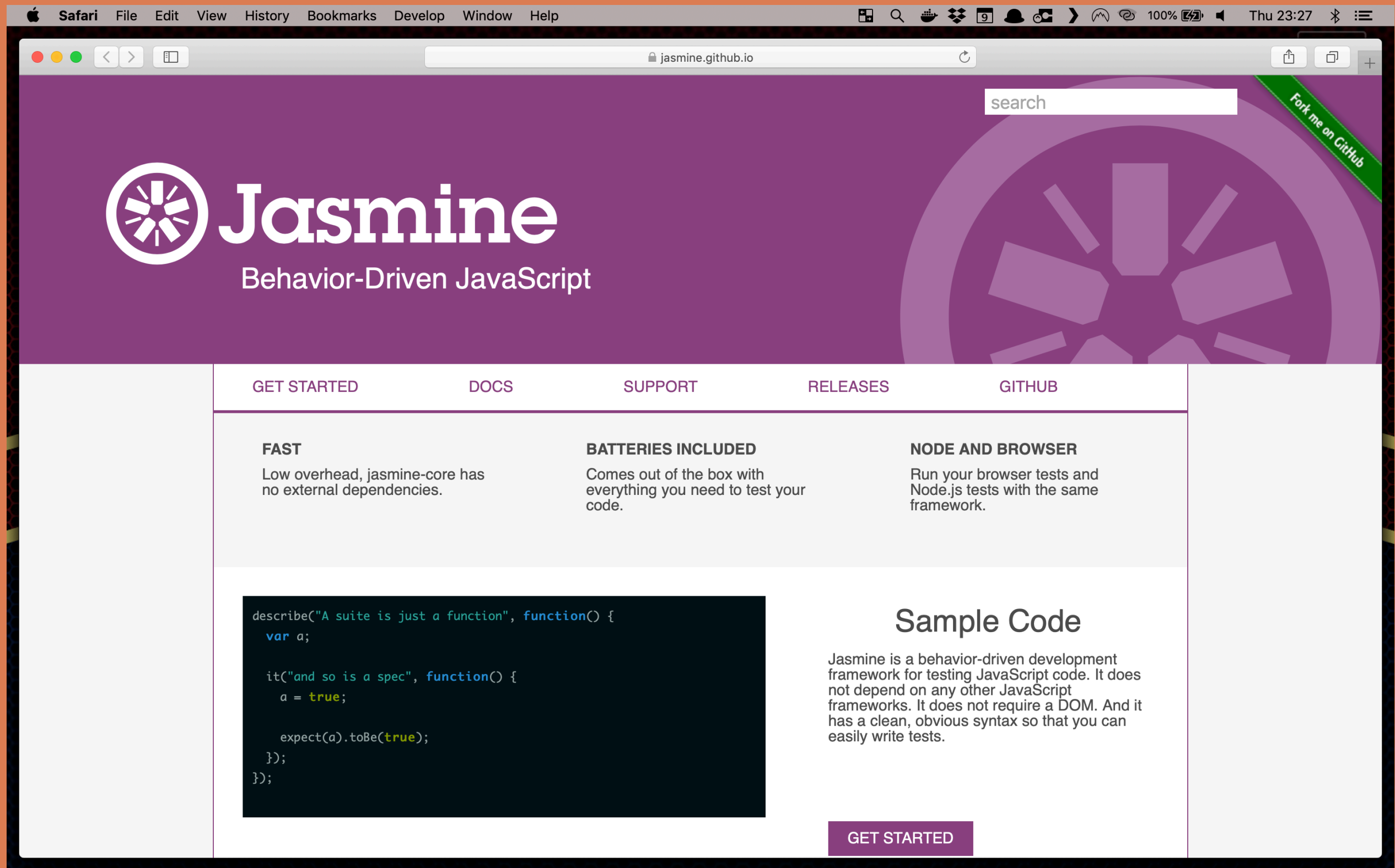
github.com

Backstop Features

- In-browser reporting UI with...
 - layout settings for print and screen
 - scenario display filtering
 - reference, test, visual diff inspector
 - cool scrubber thingy



- Integrated Docker rendering -- to eliminate cross-platform rendering shenanigans
- CLI reports
- Render tests with **Chrome Headless**
- Simulate user interactions with **Puppeteer** and **ChromyJS** scripts
- JUnit reports
- Plays nice with CI and source control

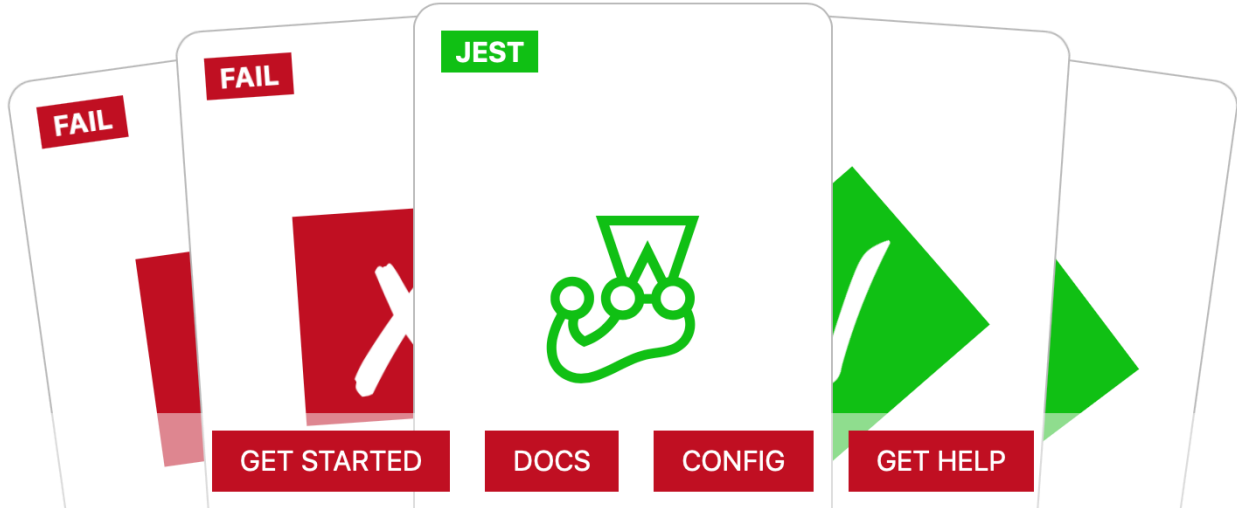


Safari File Edit View History Bookmarks Develop Window Help

jestjs.io

JEST 24.6 Docs API Help Blog English Search GitHub


★ Star 25,373



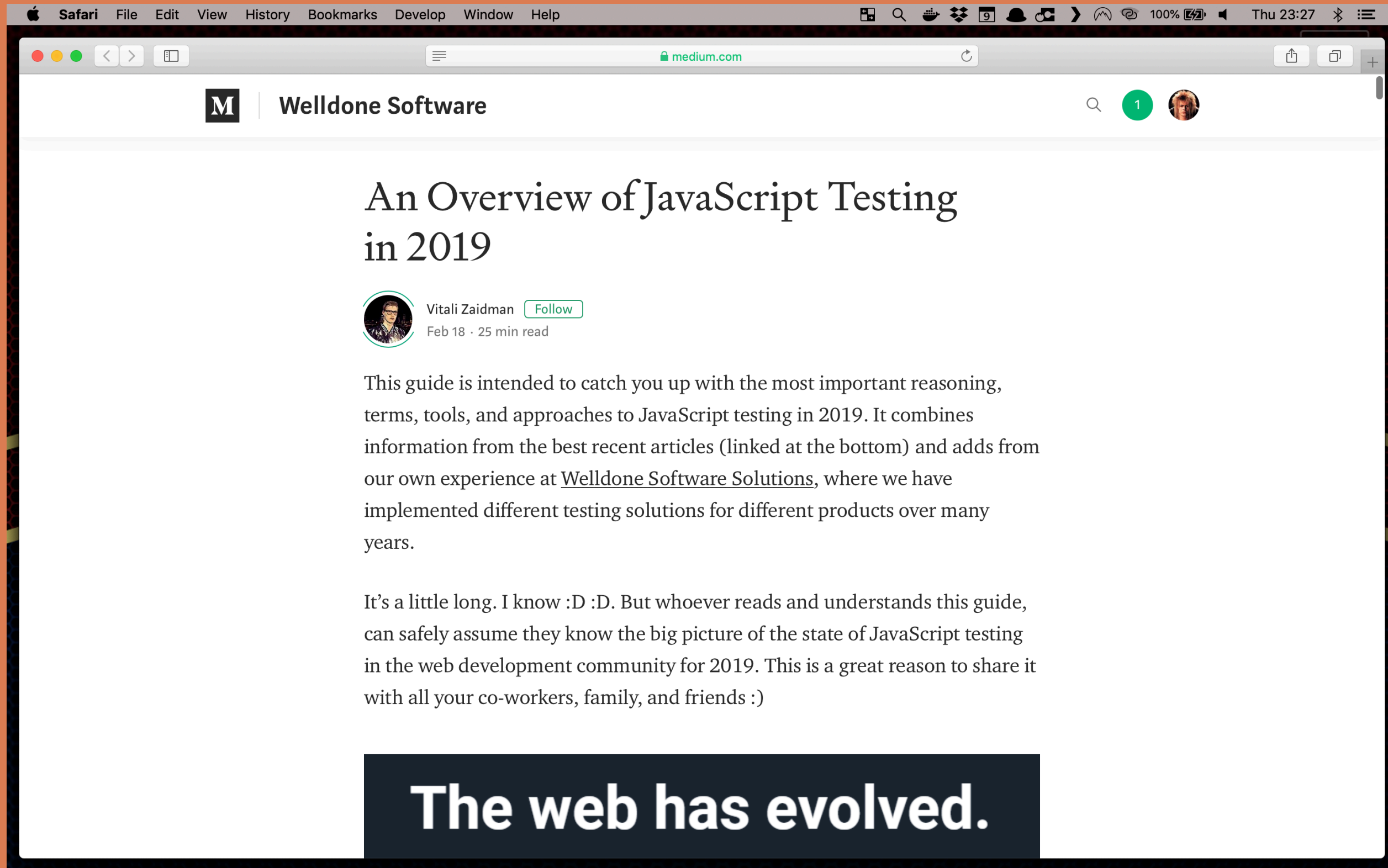
The hero section of the Jest website features a series of overlapping cards. The first two cards are labeled 'FAIL' in red and show a red bar chart with a white 'X'. The third card is labeled 'JEST' in green and shows the Jest logo, a green hourglass with three circles. Below these cards are four red buttons: 'GET STARTED', 'DOCS', 'CONFIG', and 'GET HELP'. The fourth card is partially visible and shows a green bar chart with a white checkmark.

Jest is a delightful JavaScript Testing Framework with a focus on simplicity.

It works with projects using: [Babel](#), [TypeScript](#), [Node](#), [React](#), [Angular](#), [Vue](#) and more!



A small thumbnail of the Jasmine website is visible in the bottom right corner of the slide.

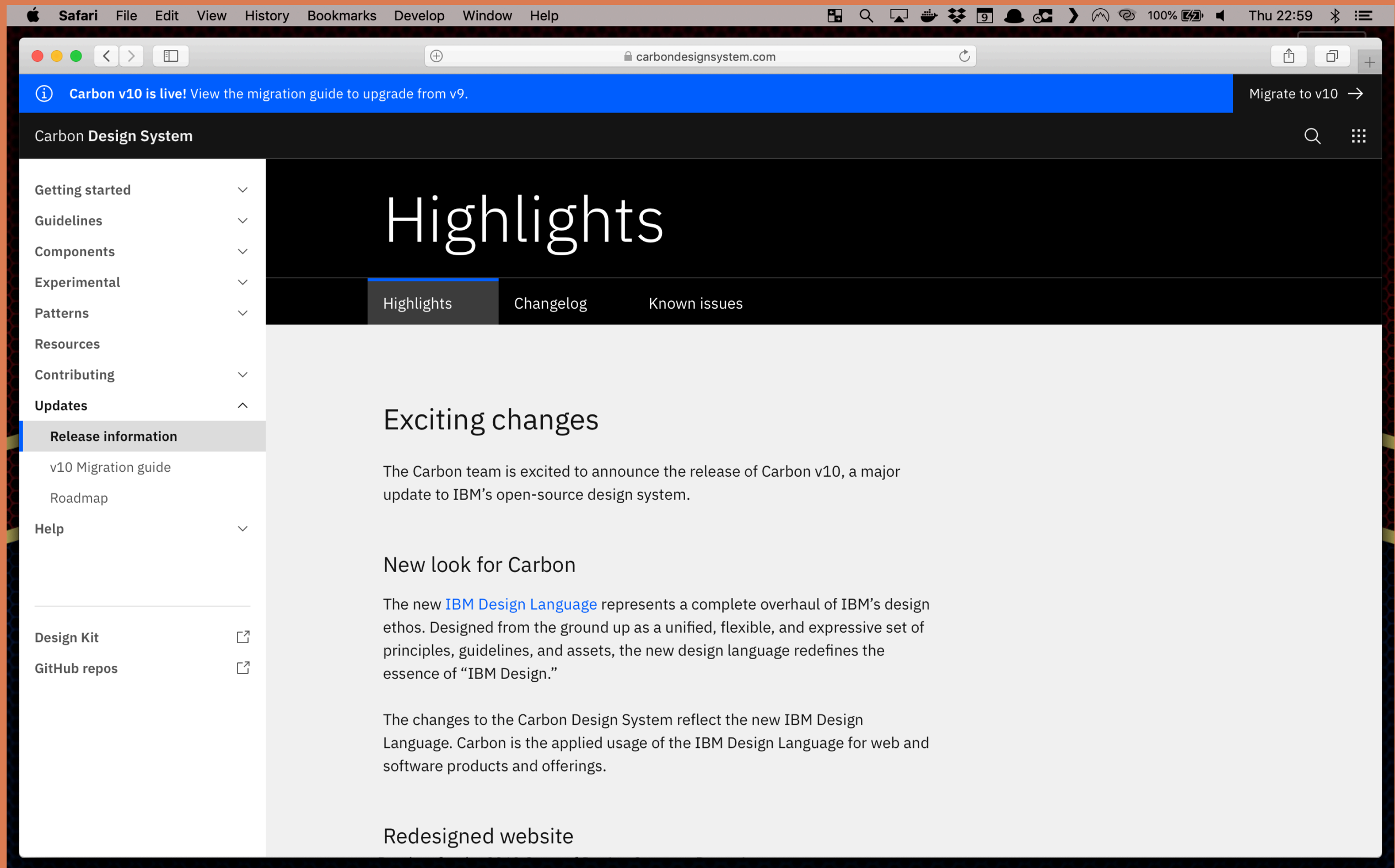


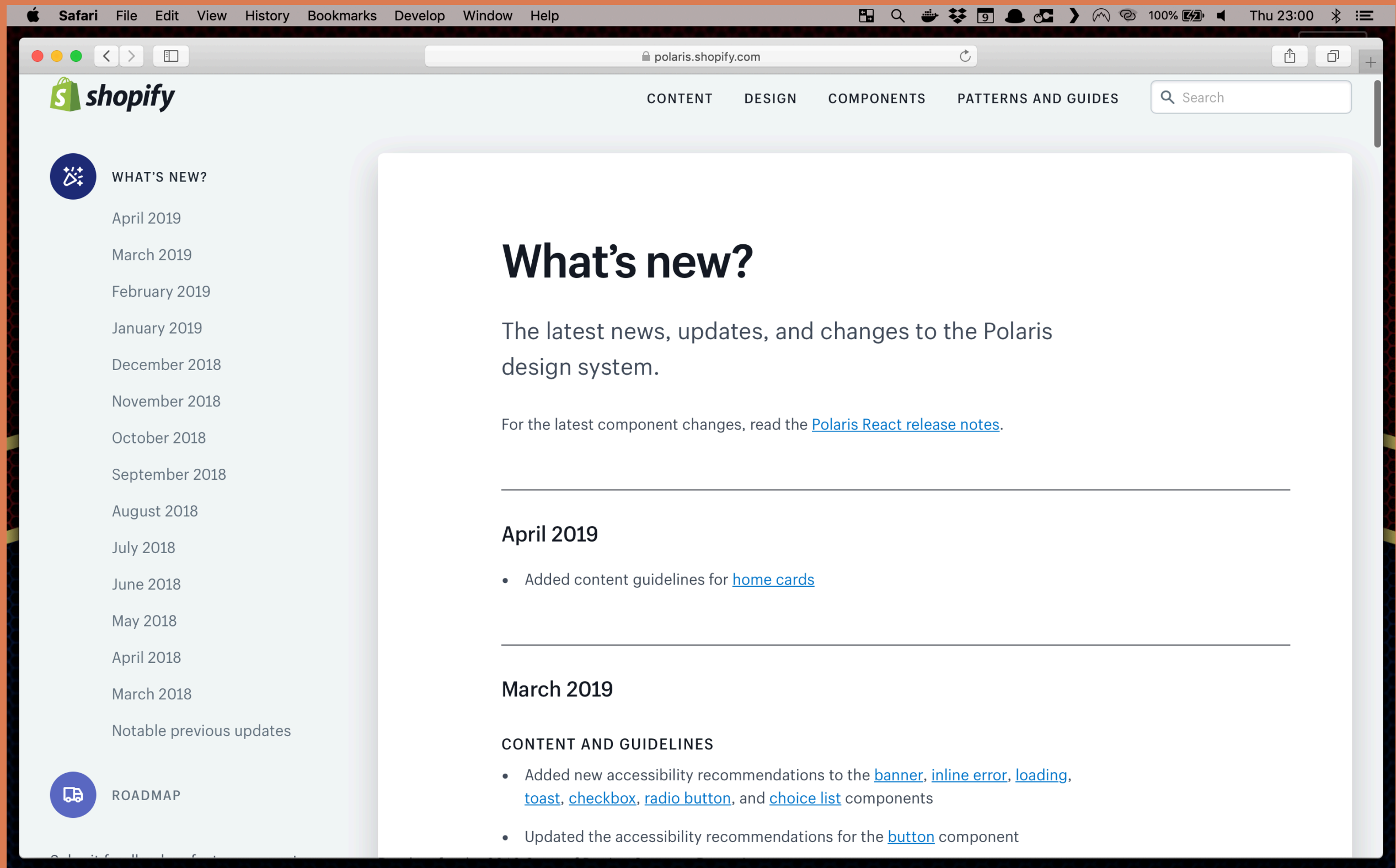
Announcements

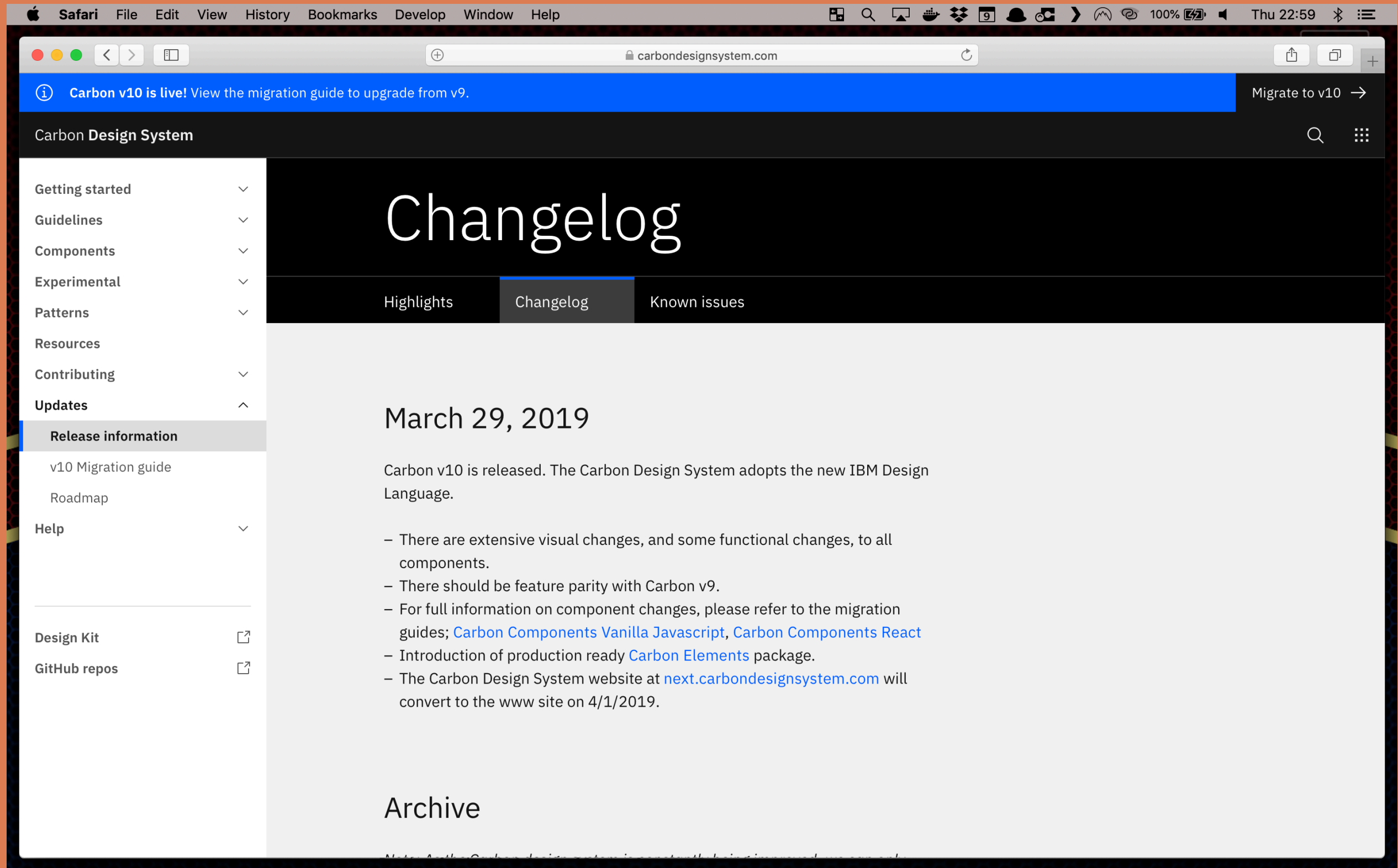
“

Successful design patterns don't exist in a vacuum.

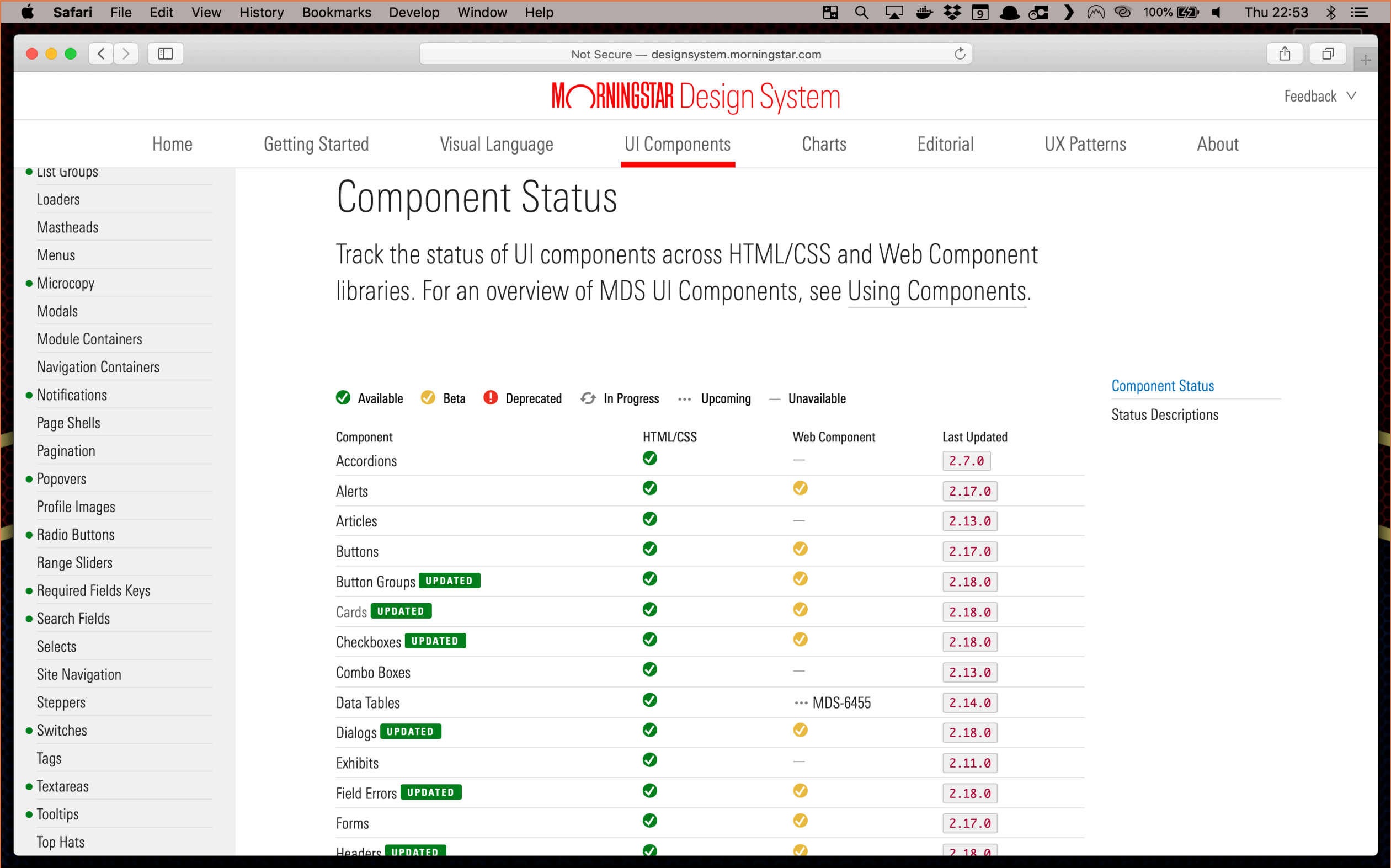
— Yesenia Perez-Cruz | @yeseniaa







Component Status



GET STARTED

COMPONENT STATUS

ACTIONS

STRUCTURE

FORMS

IMAGES AND ICONS

FEEDBACK INDICATORS

TITLES AND TEXT

BEHAVIOR

LISTS AND TABLES

NAVIGATION

Component status

The latest component updates and changes. If you have a suggestion for a new component not listed here, [create an issue on GitHub](#).

Current status

When we add, make significant updates, or deprecate a component we update their status so that it's clear what's available to use.

COMPONENT	CODE	DESIGN AND CONTENT
Empty search result	● In development	● In progress
List filters	● In development	● In progress
Portal	● In development	● In progress
Truncate	● In development	● In progress
Bulk editor	○ Under consideration	○ Under consideration
Copy to clipboard	○ Under consideration	○ Under consideration
Focus manager	○ Under consideration	○ Under consideration

Carbon v10 is live! View the migration guide to upgrade from v9.

Migrate to v10 →

Carbon Design System

Getting started

Guidelines

Components

Overview

Component status

Accordion

Breadcrumb

Button

Checkbox

Code snippet

Content switcher

Data table

Date picker

Dropdown

File uploader

Form

Inline loading

Link

List

Loading

Modal

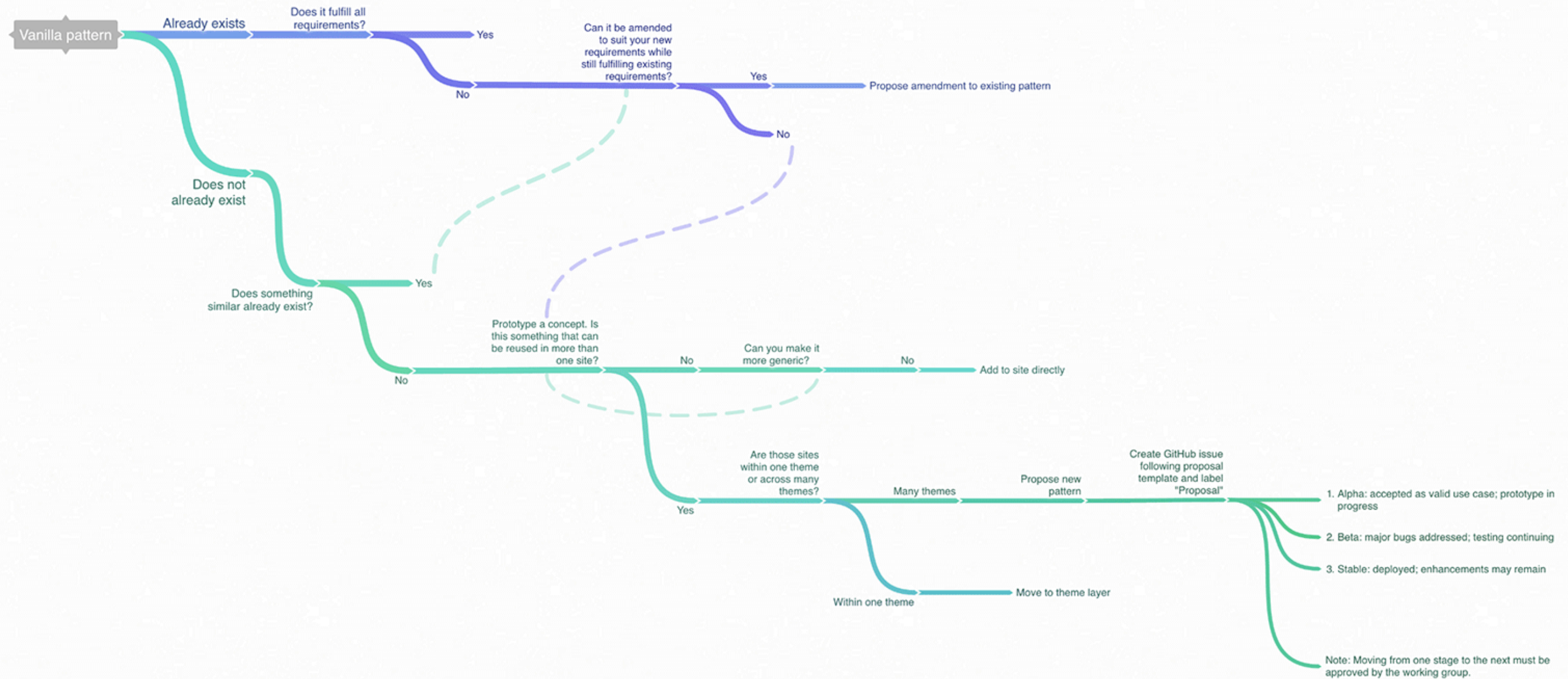
Notification

Component status

Current version: v10.1.0

Component	Vanilla	React	Angular	Vue
Accordion	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>
Breadcrumb	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>
Button	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>
Checkbox	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>
Code snippet	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>
Content switcher	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>	<div>Stable</div> <div>Updated</div>
Data table	<div>Stable</div> <div>Updated</div>	<div>Under construction</div>	<div>Under construction</div>	<div>Stable</div> <div>Updated</div>

New Components



Deprecating

SafariFileEditViewHistoryBookmarksDevelopWindowHelp

github.com

bolt-design-system / bolt

Watch14Star70Fork9

<> Code

Issues13

Pull requests32

Projects0

Wiki

Insights

Deprecating component properties

Rémy Denton edited this page on 12 Dec 2018 · 4 revisions

I. For Bolt PRs that introduce a deprecation

Pages23

The Bolt Manual

Build from Design Mockups

- From Design Mockup to Code
- Customize Component with Schema
- Override with Utility Classes

Build from Scratch

- Customize Component with Schema
- Build with Utility Classes?
- Build a One-off Snowflake
- Build a New Component

Code Conventions and Standards

- Overview
- Quotes

- Update code so that both the new and deprecated properties work (backward compatibility).
For example, if you deprecating an `itemAlignment` property in favor of `align`, the twig might look like this:


```
{% if itemAlignment %}
  {% if itemAlignment == "start" %}
    {% set itemAlignment = "left" %}
  {% endif %}
  {% set align = itemAlignment %}
{% endif %}
```
- Update the component's schema.
 - Document the deprecated property. For example:

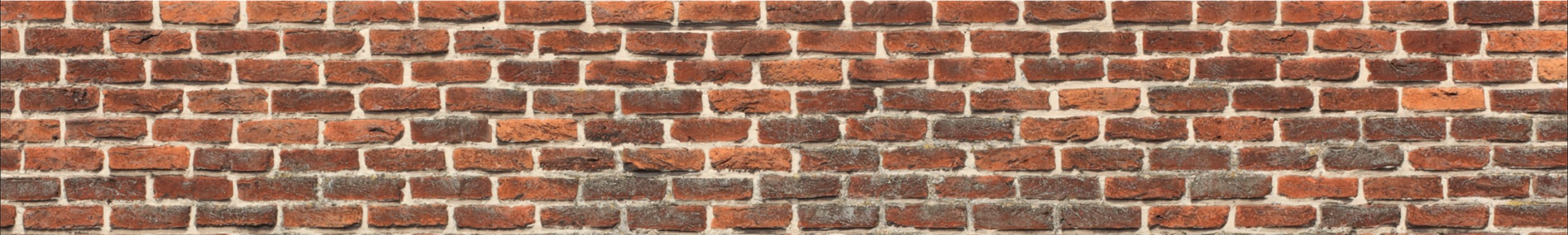
```
title: 'Bolt Button'
properties:
  itemAlignment:
    title: 'DEPRECATED'
    description: 'Use the align parameter instead.'
```
 - Mark the schema as invalid if the deprecated property is present. For example:

Safari File Edit View History Bookmarks Develop Window Help medium.com

M Pulsar 1

Retiring pieces of a design system

 Paul Stanton
Oct 13, 2016 · 5 min read



“Don’t break the build.”

The mantra you’ll hear often if you work with a continuously integrated product. Design systems, frameworks, pattern libraries or whatever we’re calling them this week usually live outside of the product(s) in which they’re used. They’re products in and of themselves, with their own team, their own backlog and their own release cycles. Updating to the latest version of your design system should rarely, if ever, intentionally break something which you

You highlighted

Resources

Slack.Design.Systems

Design Systems Slack

A community for design systems practitioners.

Enter your email to join.

Join

Code of Conduct

Table of contents

- Welcome
 - Admins
- What we strive for
- Unacceptable behavior
 - Harassment includes
- Reporting
- Consequences
- Message retention
- Privacy

News.Design.Systems

Design Systems News. A publication full of interesting, relevant, and **curated** links.

SUBSCRIBE WITH EMAIL

Your email address

SUBSCRIBE

No spam, ever. We'll never share your email address and you can opt out at any time.

ISSUE 81 *29th April 2019*

Thanks

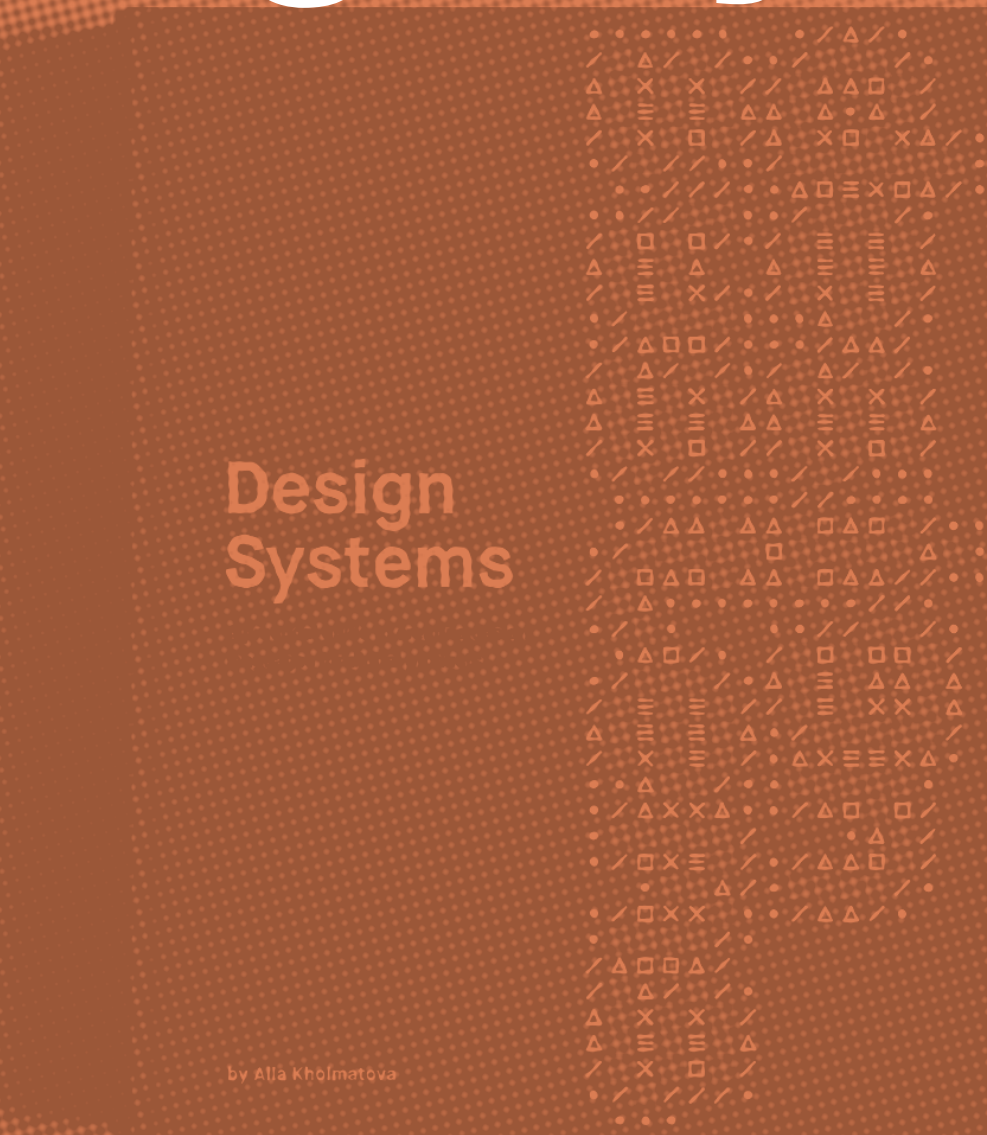
Hey,

I hope you enjoy this latest newsletter. There are some new and old links in there. You should see my RSS feed - I think I've about 60 articles to go through and add as needed.

@sturobson | alwaystwisted.com | Design Systems and Front-End Architecture | Colchester Digital 2019

Design Systems are so hot right now!

DesignSystemsBook.Com



Design Systems

Many teams are now taking a more systematic approach to design. But why do some design systems thrive and others become bloated and fragmented? What makes a well-functioning system? What do effective systems have in common? Finally, how do you actually go about laying the foundations for a shared design language?

These are the questions I set out to answer in this book. I hope you'll enjoy it.

[GET THE BOOK](#)

Available on Smashing

BuildingDesignSystems.Design

Building Design Systems

Unify user experience through a shared design language

This book guides you through the process of defining a design language that can be understood across teams, while also establishing key communication strategies for how to sell your system to key stakeholders and other contributors.

FEA.Pub



Frontend Architecture for Design Systems: A Modern Blueprint for Scalable and Sustainable Websites 1st Edition, Kindle Edition

by Micah Godbolt (Author)
★★★★☆ 8 reviews from Amazon.com

See all 4 formats and editions

Kindle Edition £14.03 Read with Our Free App	Paperback £23.99 ✓prime 7 Used from £12.57 21 New from £12.55
---	--

Imagine what a large-scale web project would look like if frontend development were not treated as an add-on, but as an equal partner with backend development and content strategy. This practical book takes experienced web developers through the new discipline of frontend architecture, including the latest tools, standards, and best practices that have elevated frontend web development to an entirely new level.

< Read more

Length: 200 pages Enhanced Typesetting: Enabled Page Flip: Enabled See all supported devices

Print List Price: £17.50
Kindle Price: **£14.03**
Save £3.47 (20%) includes VAT*

* Unlike print books, digital books are subject to VAT.

Buy now

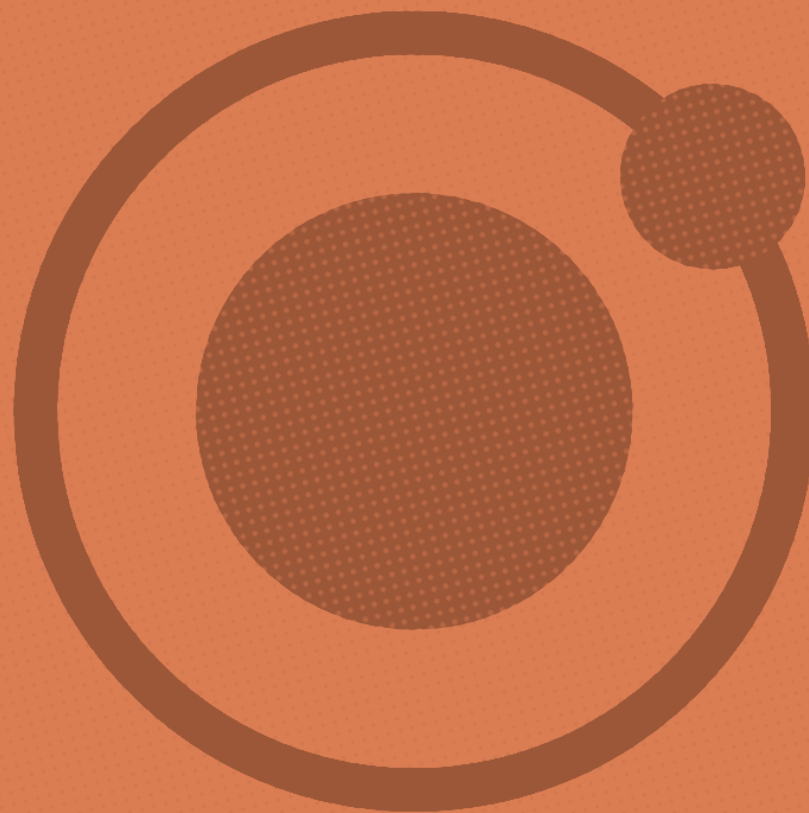
Deliver to:
Kindle

Buy for others
Give as a gift or purchase for a group.
Learn more

Quantity: 1

Deliver to:
Kindle

AtomicDesign.BradFrost.Com



Atomic Design
Brad Frost

Atomic Design by Brad Frost

We're tasked with making interfaces for more users in more contexts using more browsers on more devices with more screen sizes and more capabilities than ever before. That's a daunting task indeed. Thankfully, design systems are here to help.

Atomic Design details all that goes into creating and maintaining robust design systems, allowing you to roll out higher quality, more consistent UIs faster than ever before. This book introduces a methodology for thinking of our UIs as thoughtful hierarchies, discusses the qualities of effective pattern libraries, and showcases techniques to transform your team's design and development workflow.

order the book

read now

Thank You

twitter.com/@sturobson

alwaystwisted.com