What is DesignOps?

Fabian Fabian – @filtercake

@JSunconf Hamburg April 2016

For me DesignOps means...

1. Expressing design in a machine-readable way [code and assets]

2. Delivering design code and artifacts to our users [build, deploy, serve]

3. Gathering insights about design usage and ensuring quality of delivered artifacts [tests and metrics]

4. **EMPOWERING PEOPLE to own, shape and improve the involved processes** [culture, convention, communication]

It's an attitude which says: I'm going to make a difference, I'm going to cooperate and communicate, and I understand that we're all in it together.

— What Is This Devops Thing, Anyway (Stephen Nelson-Smith)

DevOps is something you do (not something you are):

EMPOWER
COOPERATE
COMMUNICATE

For me, it is (finally) a term for what I am trying do for many years.

ME

- UX/UI/Ix/Product Designer/Developer at **Jimdo**

- Father of twins

- Thinking With Your Hands:
  Sketching For Software Development

- npm/ui-sketchbook

- filtercake.com, @filtercake

- Yup, **Fabian Fabian** is really real ¯_(ツ)_/¯

EMBEDDED UX/UI/Ix Designer

EMBEDDED UX/UI/Ix Designer who codes

EMBEDDED UX/UI/Ix Designer who codes
UGH :/

Context: #505050   Tags: PRODUCTION   BETA

Brick: Button

PRODUCTION

Can be used with `<a>` or `<button>` elements.

button

I am a button

buttonWithIcon

I am a button   I am a button

buttonLoading

buttonDisabled

I am a disabled button

UI LIBRARY
boring names👍

Context: ☐ ☐ ☐ #505050 Tags: PRODUCTION BETA

All Patterns

PRODUCTION

BRICKS

AttentionBlocker

Avatar

Badge

Button

Checkbox

Close

Divider

Grid

Headline

Can be used with `<a>` or `<button>` elements.

button

I am a button

buttonWithIcon

I am a button 📥 | 📥 I am a button | 📥

buttonLoading

↻

buttonDisabled

I am a disabled button

"Design System"

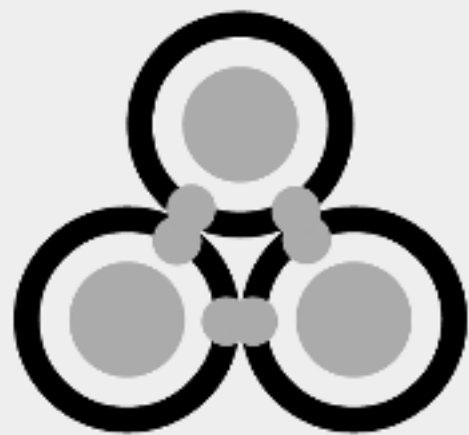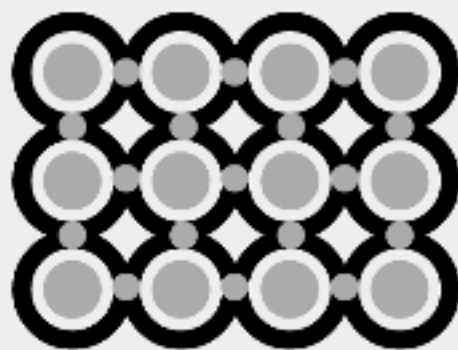## > What's a design system?

— designers ¯_(ツ)_/¯
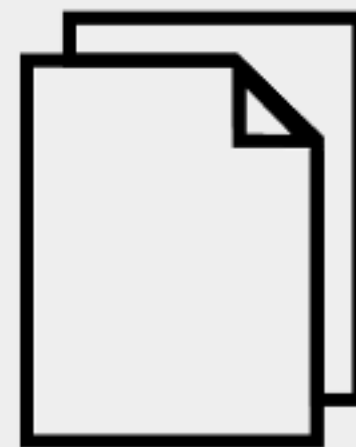
pattern lab

create atomic design systems

atoms → molecules → organisms → templates → pages

⬇ download   ⬡ view on github   ⬀ view demo

ATOMIC DESIGN

Hey there! I wrote a book called *Atomic Design* that dives into this topic in more detail. You can read it online and preorder the ebook for ten bucks.

> *We're not designing pages, we're designing systems of components.—Stephen Hay*

As the craft of Web design continues to evolve, we're recognizing the need to develop thoughtful design systems, rather than creating simple collections of web pages.

A lot has been said about creating design systems, and
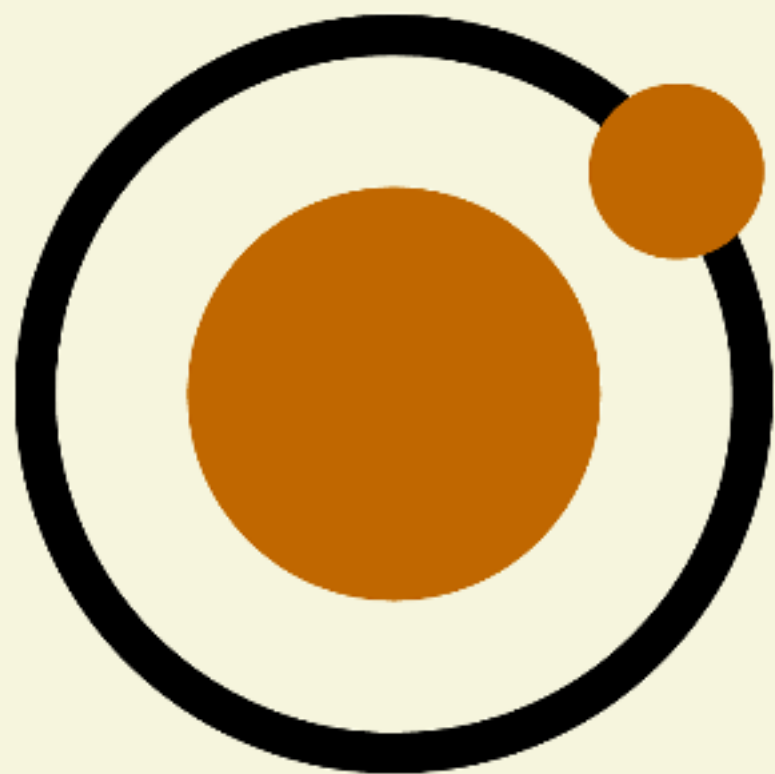
Atomic Design

Brad Frost

Atomic Design ~~is~~ will be a book by Brad Frost.

preorder the book   read now

Lightning Design System

Create the world's best enterprise app experiences.

Get the Design System

Star

Current release: 1.0.2
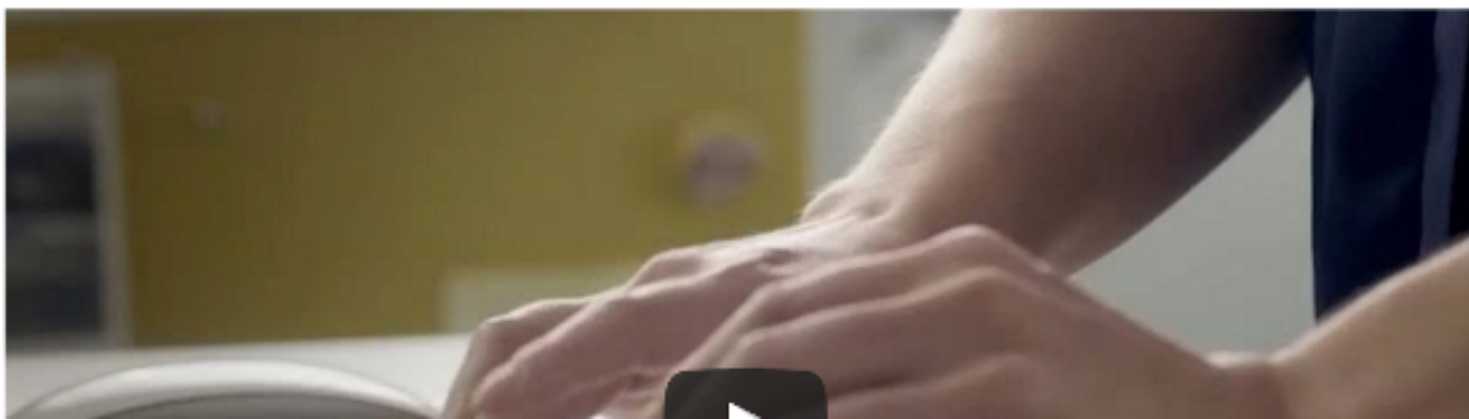
WHY?

Jimdo:

inconsistent, grown UI

inconsistent, grown codebase

performance issues

development slower than we want

not-exactly-the-best UX we want

opportunity to
EMPOWER
COOPERATE
COMMUNICATE

presentation at product and frontend meetings

patternlab prototype

FABRICATOR

BUILD YOUR UI TOOLKIT

START BUILDING

View demo

FABRICATOR

BUILD YOUR UI TOOLKIT

START BUILDING

View demo

Workshop

People across teams worked together

People across teams
talked

→ voluntary task force formed in the days after

→ UI Lib became core of UI for new system components

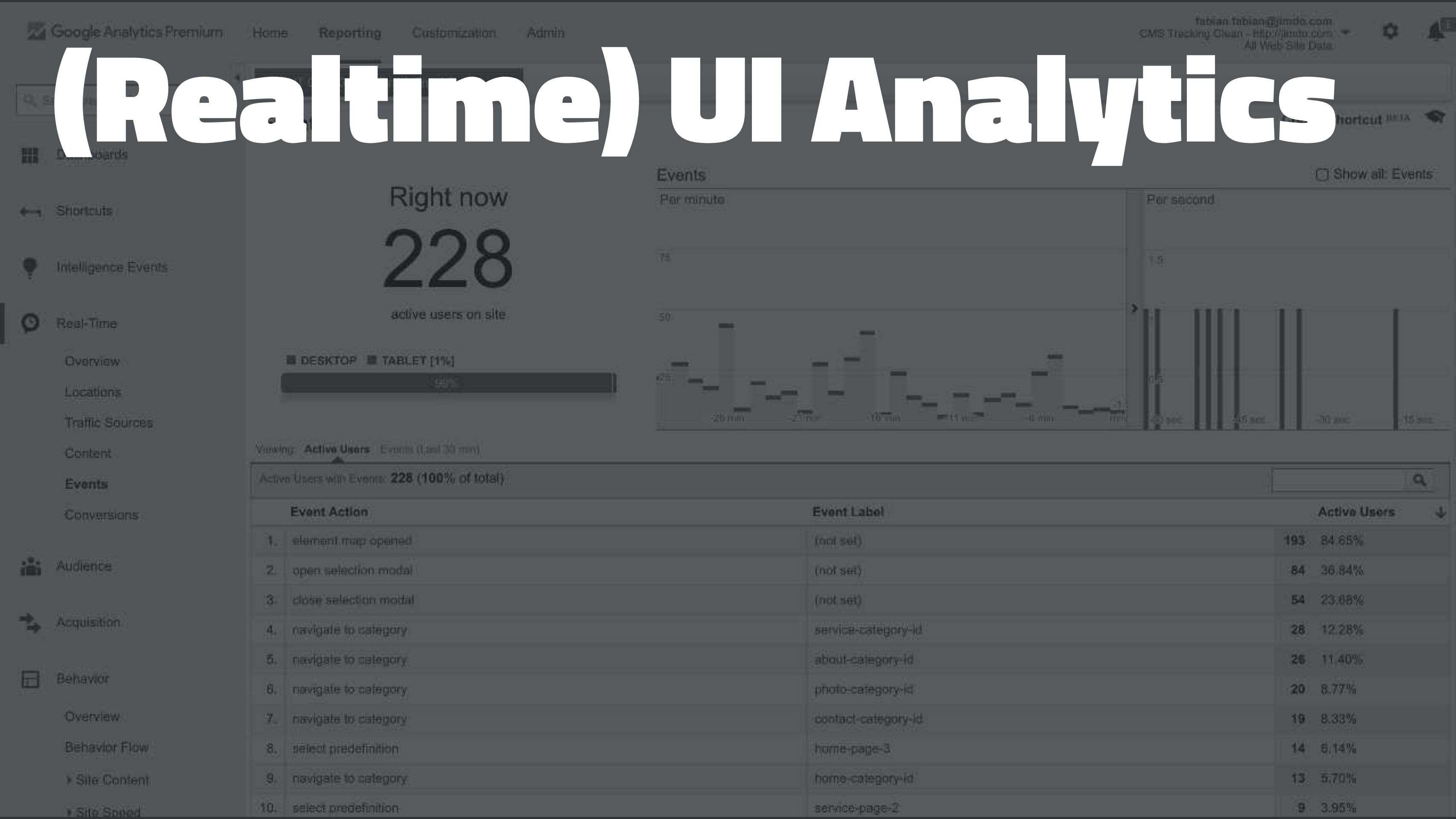→ dedicated UI Lib sprints

Lesson

If you see pain and opportunity...

EMPOWER

COOPERATE

COMMUNICATE

More examples from my personal DesignOps world

(Realtime) UI Analytics

Google Analytics Premium

Home   Reporting   Customization   Admin

fabian fabian@jimdo.com
CMS Tracking Clean - http://jimdo.com
All Web Site Data

Shortcut BETA

Dashboards

Shortcuts

Intelligence Events

Real-Time
  Overview
  Locations
  Traffic Sources
  Content
  Events
  Conversions

Audience

Acquisition

Behavior
  Overview
  Behavior Flow
  ▶ Site Content
  ▶ Site Speed

Right now

228

active users on site

■ DESKTOP ■ TABLET [1%]

99%

Events

☐ Show all: Events

Per minute

Per second

75

50

25

-28 min   -23 min   -18 min   -11 min   -8 min   min   -45 sec   -15 sec   -30 sec   -15 sec

Viewing: **Active Users** Events (Last 30 min)

Active Users with Events: **228 (100% of total)**

	Event Action	Event Label	Active Users ↓
1.	element map opened	(not set)	193 84.65%
2.	open selection modal	(not set)	84 36.84%
3.	close selection modal	(not set)	54 23.68%
4.	navigate to category	service-category-id	28 12.28%
5.	navigate to category	about-category-id	26 11.40%
6.	navigate to category	photo-category-id	20 8.77%
7.	navigate to category	contact-category-id	19 8.33%
8.	select predefinition	home-page-3	14 6.14%
9.	navigate to category	home-category-id	13 5.70%
10.	select predefinition	service-page-2	9 3.95%

Choose a Suggested Layout
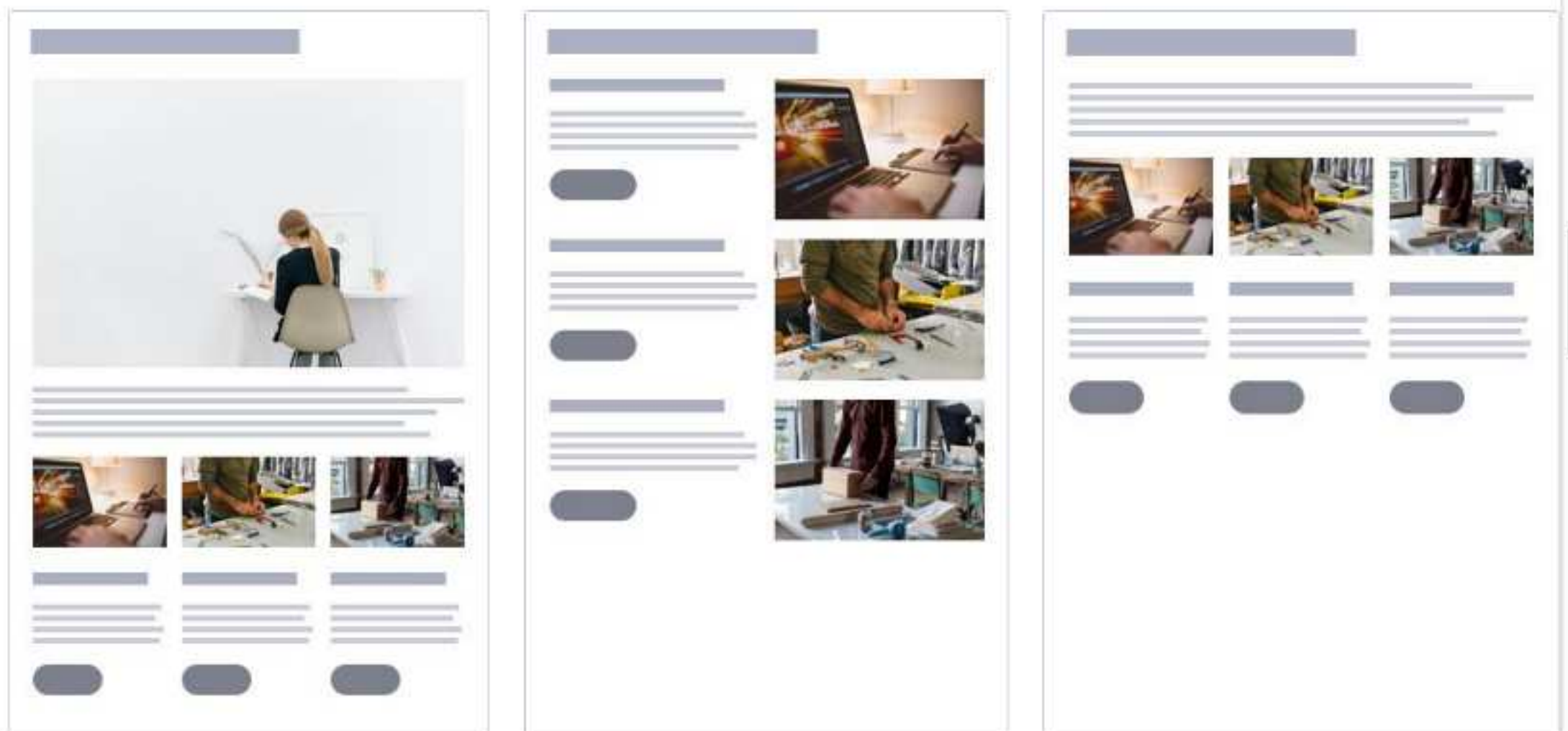
Home | About | **Services** | Contact | Photo

Services

Trash | View Mode | Log out

Templates

Style

Blog

Settings

SEO

Store

Statistics

Partner Services

Contact

Help

Upgrade

Google Analytics Premium — Home — **Reporting** — Customization — Admin

Search reports & help

- Dashboards
- Shortcuts
- Intelligence Events
- **Real-Time**
  - Overview
  - Locations
  - Traffic Sources
  - Content
  - **Events**
  - Conversions
- Audience
- Acquisition
- Behavior
  - Overview
  - Behavior Flow
  - ▸ Site Content
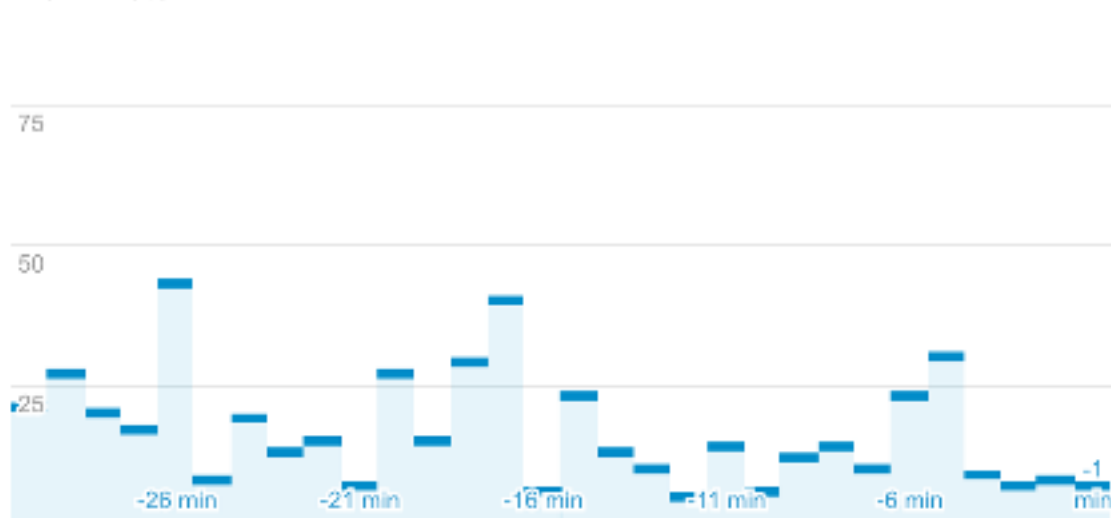 - ▸ Site Speed

EVENT CATEGORY: Predefined Pages ✕

Events

Create Shortcut BETA

Right now

228

active users on site

■ DESKTOP ■ TABLET [1%]

99%

Events

Per minute

75

50

25

-26 min   -21 min   -16 min   -11 min   -6 min   min

Per second

1.5

1

0.5

-60 sec   -45 sec   -30 sec   -15 sec

☐ Show all: Events

Viewing: **Active Users**   Events (Last 30 min)

Active Users with Events: **228** (**100%** of total)

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2.	open selection modal	(not set)	84	36.84%
3.	close selection modal	(not set)	54	23.68%
4.	navigate to category	service-category-id	28	12.28%
5.	navigate to category	about-category-id	26	11.40%
6.	navigate to category	photo-category-id	20	8.77%
7.	navigate to category	contact-category-id	19	8.33%
8.	select predefinition	home-page-3	14	6.14%
9.	navigate to category	home-category-id	13	5.70%
10.	select predefinition	service-page-2	9	3.95%

CSS & Sass

CSS with superpowers

Sass is the most mature, stable, and powerful professional grade CSS extension language in the world.

Current Release: Selective Steve (3.4.22)   **Release Notes**   **Fork on Github**   **Implementation Guide**

CSS COMPATIBLE

Sass is completely compatible with all versions of CSS. We take this compatibility seriously, so that you can seamlessly

FEATURE RICH

Sass boasts more features and abilities than any other CSS extension language out there. The Sass Core Team has

MATURE

Sass has been actively supported for over 9 years by its loving Core Team.

Kevin Lorenz (@verpixelt)
Feb 24, 2015 · 7 min read

Your nesting is harmful
On abusing a preprocessor's feature

Sass Mixins vs Extends: The Data

March 9, 2015

The debate between using mixins or extends in Sass has been heating up recently. From the surface it appears they both provide solid benefits in helping us write consistent and modular code. However, the critics are out and extends specifically have come under fire. But why?

(If you're unsure what mixins and extends are, or the Sass preprocessor, I'd recommend researching them before before continuing here.)

The Argument

There are a handful of arguments against extends, the most popular include:

- Extends don't allow arguments
- Extends don't work within media queries
- Extends, when nested, can extend unintended code
- Extends group the compiled CSS based on reused declarations, not on how the code is contextually written

Shay Howe

Director of Product

Work at Belly

Belly is building the best engineering team around.

npm

find packages

sign up or log in

⭐ sass-lint `public`
All Node Sass linter!

Sass Lint `npm package` `1.5.1` `build error` `coverage 97%`

A Node-only Sass linter for both `sass` and `scss` syntax!

Install

```
npm install sass-lint --save-dev
```

Configuring

Use the **Sample Config** as a guide to create your `.sass-lint.yml` in the root of where you are running Sass Lint from. The default configuration can be found **here**.

Migrating from SCSS-Lint: If you already have a config for SCSS-Lint, you can instantly convert it to the equivalent Sass Lint config at **sasstools.github.io/make-sass-lint-config**.

Options

The following are options that you can use to config the Sass Linter.

Files

The `files` option can either be set to a `glob` or it can be set to an object, where the key `include` is set to the glob you want to include, and `ignore` set to either a glob string or an array of glob strings that you would like to ignore.

---

learn more about npm On-Site

Private npm registry for enterprise customers. Free 30-day trial. **Learn more…**

⬇ `npm install sass-lint`

how? learn more

---

bgriffith published a month ago

1.5.1 is the latest of 21 releases

github.com/sasstools/sass-lint

MIT Ⓞ®

Collaborators

snu dan bgri

Stats

641 downloads in the last day

12,676 downloads in the last week

Conventions

Optimizing for happiness with Convention over Configuration.

–Ruby on Rails, **since 2004**

ntl

[ui library] > master > ntl
Npm Task List - v1.1.2
? **Select a task to run:** (Use arrow keys)
> start
  reinit
  lint
  release:patch
  release:minor
  release:major
  setup
(Move up and down to reveal more choices)

[ui-library > master > ntl
Npm Task List - v1.1.2
? **Select a task to run:** (Use arrow keys)
> start   You can also specify a project folder containing a packag
  reinit
  lint
  release:patch   ntl ./my-node-project
  release:minor
  release:major
  setup   **More info**
(Move up and down to reveal more choices)

commitizen

```
➜  ng-poopy  master ✗  git add .
➜
```

All commit message lines will be cropped at 100 characters.

? Select the type of change that you're committing: (Use arrow keys)
> feat: A new feature
  fix: A bug fix
  docs: Documentation only changes
  style: Changes that do not affect the meaning of the code
             (white-space, formatting, missing semi-colons, etc)
  refactor: A code change that neither fixes a bug or adds a feature
  perf: A code change that improves performance
  test: Adding missing tests
  chore: Changes to the build process or auxiliary tools
             and libraries such as documentation generation

```
➜  ng-poopy  master ✗  git add .
➜  ng-poopy  master ✗  git cz

All commit message lines will be cropped at 100 characters.

? Select the type of change that you're committing: (Use arrow keys)
❯ feat:      A new feature
  fix:       A bug fix
  docs:      Documentation only changes
  style:     Changes that do not affect the meaning of the code
             (white-space, formatting, missing semi-colons, etc)
  refactor: A code change that neither fixes a bug or adds a feature
  perf:      A code change that improves performance
  test:      Adding missing tests
  chore:     Changes to the build process or auxiliary tools
             and libraries such as documentation generation
```

Angular Commit Format

Each commit message consists of a header, a body and a footer. The header has a special format that includes a type, a scope and a subject:

```
<type>(<scope>): <subject>
<BLANK LINE>
<body>
<BLANK LINE>
<footer>
```

pattern(Tabs): use span tag instead of an a tag in TabsItem

christian-meyer-jimdo committed 12 days ago

npm

find packages

sign up or log in

⭐ **git-changelog** `public`

A git changelog based on ANGULAR JS commit standards

`npm package` `0.1.8` `build` `failing` `coverage` `99%` `code climate` `?`

| A git changelog based on ANGULAR JS commit standards. **NPM page**

Works as a `CLI` option or `grunt` plugin

Example output

NEWS!

version 0.1.7 is out, special thanks to **JohnnyEstilles** for his work.

This release includes a big refactor with a huge improvement on test coverage.

Git changelog is secure enough

Next releases will include:

https://codeclimate.com/github/rafinskipg/git-changelog

learn more about npm On-Site

Private npm registry for enterprise customers. Free 30-day trial. **Learn more…**

⬇ `npm install git-changelog`

how? learn more

🖼 **rafinskipg** published 10 months ago

0.1.8 is the latest of 9 releases

github.com/rafinskipg/git-changelog

MIT 🔓®

Collaborators

🖼 rafir

Stats

27 downloads in the last day

306 downloads in the last week

npm

find packages 🔍   sign up **or** log in

⭐ semantic-release `public`

automated semver compliant package publishing

fully automated package publishing

> **Trust us, this will change your workflow for the better.**

> – **egghead.io**

gitter `join chat`   🐢🚀 `semantic-release`   code style `standard`   commitizen `friendly`

dependencies `up to date`   devDependencies `out of date`

build `passing`   coverage `100%`

Out of the box this is just about *commit-messages,* but you can do so much more.

- **Detect breaking changes** using the test suite of your last release: **cracks**
- Detect breaking changes using your dependents' test suites: **Help out! Implement the dont-break plugin**
- Detect breaking changes diffing your JSDoc interface: **Help out! Implement the india plugin**
- Abort releases with **insufficient test coverage**: **Help out! Implement the istanbul plugin**
- Abort releases with **vulnerable dependencies** in the tree: **Help out! Implement the nsp plugin**
- Everything you can imagine: **Build Plugins!**

commands	comment

`npm version major`
`git push origin master --tags`
manual/before
	You **manually decide** what the **next version** is. You have to remember what major, minor and patch means. You have to remember to push

npm3 dependency resolution

npm3 resolves dependencies differently than npm2. Here's what you need to know. **Learn more…**

⬇ `npm i semantic-release`

how? learn more

🖼 semantic-release published 7 months ago

4.3.5 is the latest of 52 releases

github.com/semantic-release/semantic-release

MIT Ⓞ®

Stats

546 downloads in the last day

3,599 downloads in the last week

13,757 downloads in the last month

37 open issues on GitHub

8 open pull requests on GitHub

Sharing

APRIL 14, 2014

How to be an open source gardener

I do a lot of work on open source, but my most valuable contributions haven't been code. Writing a patch is the easiest part of open source. The truly hard stuff is all of the rest: bug trackers, mailing lists, documentation, and other management tasks. Here's some things I've learned along the way.

It was RailsConf 2012. I sat in on a panel discussion, and the number of issues open on rails/rails came up. There were about 800 issues at the time, and had been for a while. Inquiring minds wished to know if that number was ever going to drop, and how the community could help. It was brought

CSS AND SCALABILITY

Several years ago I got curious about how css worked at scale. When I first started out, there weren't nearly as many learning resources as there are now. There were a few books that my friends lent me and a couple of decent blog posts. But CSS was still pretty new and most people hadn't started to think deeply or learn hard lessons about concepts of maintainability when working with teams on large web apps.

Christoph Reinartz
Feb 2 · 7 min read

Large Scale CSS Refactoring at trivago

Project Ironman: the technical migration of the trivago hotel search's existing CSS core

The article was originally posted on the <u>trivago techblog</u>.

While our company and our application were constantly growing, we often ran into some consistency issues between code and design. Because we didn't have a design/frontend system and development guidelines to follow, our UI became cluttered and unsustainable. This caused maintenance issues, slowed down our UI Development and caused us to produce technical debt with an overcomplicated CSS/DOM structure. In the end, we were afraid of spending our time on figuring out crazy rendering bugs rather than rapidly developing new UI features. I gave a <u>lightning talk</u> at the beginning of 2015 to present what we had learned at the <u>LeanUX Meetup</u> in Düsseldorf.

A tool like CSS Stats can easily help you figure out consistency issues within

```
google.js                    x

1   module.exports = {
2     tags: ['google'],
3     'Demo test Google' : function (client) {
4       client
5         .url('http://www.google.com')
6         .waitForElementVisible('body', 1000)
7         .assert.title('Google')
8         .assert.visible('input[type=text]')
9         .setValue('input[type=text]', 'nightwatch')
10        .waitForElementVisible('button[name=btnG]', 1000)
11        .click('button[name=btnG]')
12        .pause(1000)
13        .assert.containsText('#main', 'The Night Watch')
14        .end();
15    }
16  };
17
```

Nightwatch.js

Browser automated testing done easy.

Write End-to-End tests in Node.js quickly and effortlessly that run against a Selenium server.

Download (v0.8.18)   View on GitHub

Tweet   Star   4,080

Browser Automation

Nightwatch.js is an easy to use *Node.js* based End-to-End (E2E) testing solution for browser based apps and websites. It uses the powerful *Selenium WebDriver API* to perform commands and assertions on DOM elements.

STOP!

Nothing of this is news to you?

→ help others get there

this *is* news to you?

→ tell us what kind of help you need

EMPOWERING PEOPLE
to own, shape and improve culture, convention, communication.

Read **Introducing Design Systems Ops** on Medium

Read **Design Ops for all of us** on Medium

HOW DO WE MAKE
FUTURE DESIGN
CHANGES EASIER?

Watch **Living Design Systems** on YouTube

What is DesignOps?

Join the discussion

designops.org

Design Systems Ops on Medium

Read **Design Ops for all of us** on Medium

HOW DO WE MAKE FUTURE DESIGN CHANGES EASIER?

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LET'S TALK

Design Systems Ops

Read **Design Ops for all** on Medium

HOW DO WE MAKE
FUTURE DESIGN
CHANGES EASIER?

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What is DesignOps?

Join the discussion

Design Systems Ops: shipping (design) at scale.

Design Systems Ops

The best products are built by teams with great communication bridges between designers and engineers. Whether you're one or the other, at the end of the day… we're all shipping software. When a <u>Design System</u> is invited to the party, communication is even better.
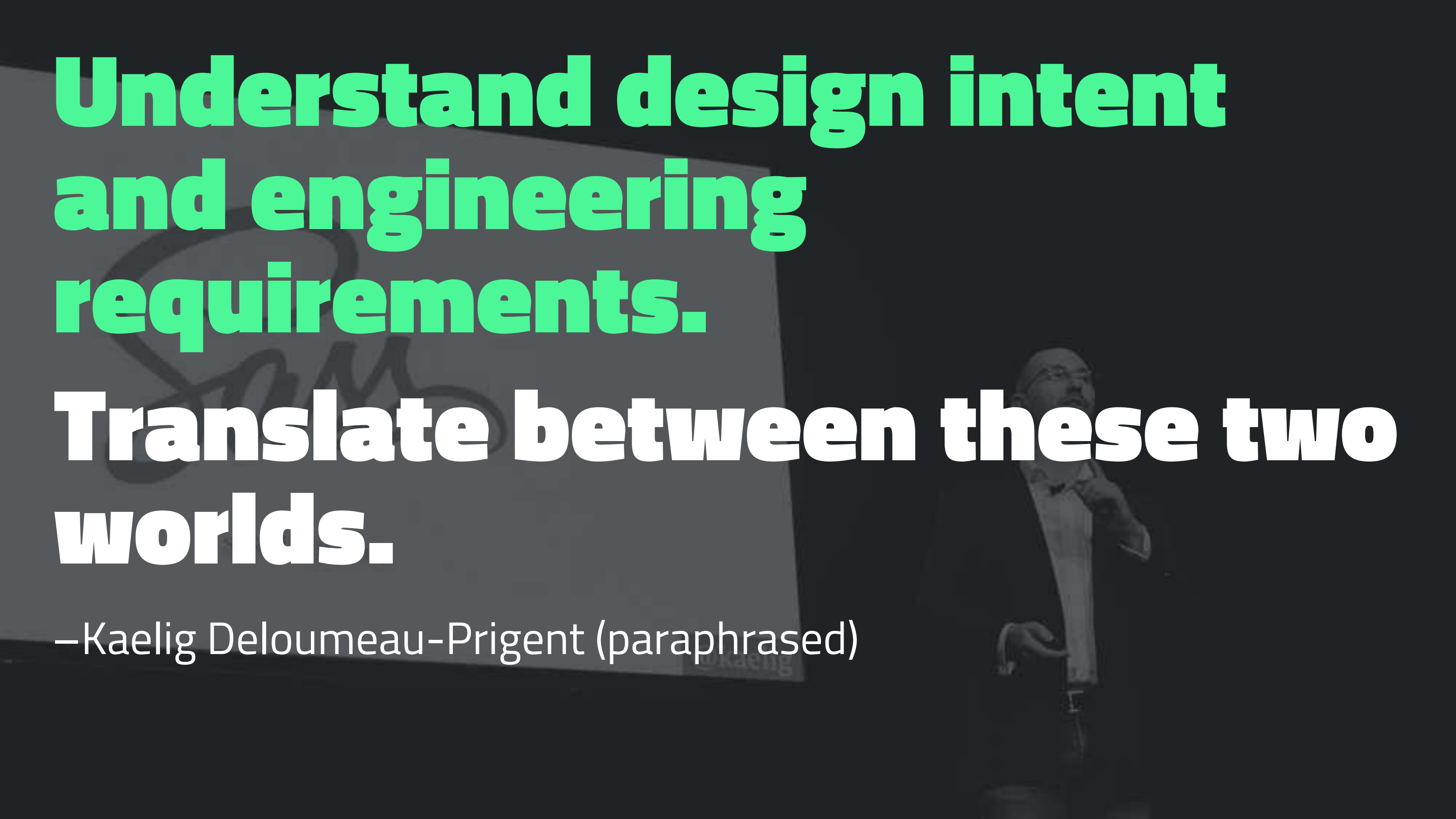
Understand design intent and engineering requirements.

Translate between these two worlds.

–Kaelig Deloumeau-Prigent (paraphrased)

And 😼 ☝️

("Design System" and...)
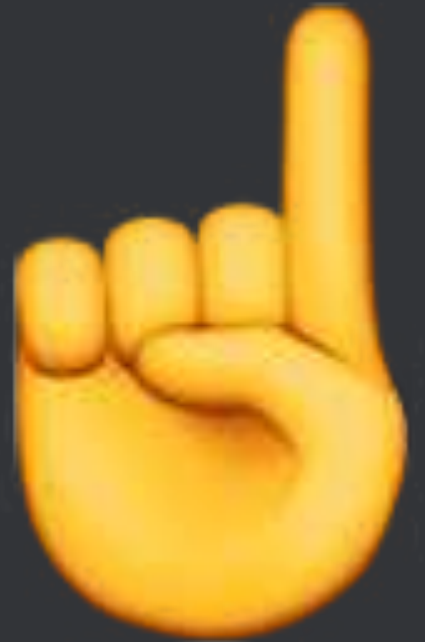
It should scale down, as well as it needs to scale up.

Design Ops for all of us

. . .

In my view [this] requires a certain state of mind. It's an attitude which says: I'm going to make a difference, I'm going to cooperate and communicate, and I'm going to

The design system is only one part of the chain.

Design Ops for all of us

. . .

In my view [this] requires a certain state of mind. It's an attitude which says: I'm going to make a difference, I'm going to cooperate and communicate, and I'm going to

Design Ops for all of us

. . .

In my view [this] requires a certain state of mind. It's an attitude which says: I'm going to make a difference, I'm going to cooperate and communicate, and I'm going to

Read **Introducing Design Systems Ops** on Medium

Read **Design Ops for all of us** on Medium

HOW DO WE MAKE FUTURE DESIGN CHANGES EASIER?

Watch **Living Design Systems** on YouTube

What is DesignOps?

Join the discussion

<> Code   ⊘ Issues **6**   ⑂ Pull requests **0**   📖 Wiki   ⋏ Pulse   📊 Graphs   ⚙ Settings

What is DesignOps? #1

⊘ **Open**   **filtercake** opened this issue 23 days ago · 8 comments

filtercake commented 23 days ago   DesignOps member   +☺ ✏

In order to explain what this role does and means, we should have a clear role definition.

Entry points:

- Introducing Design Systems Ops — Medium
- Design Ops — for all of us — Medium

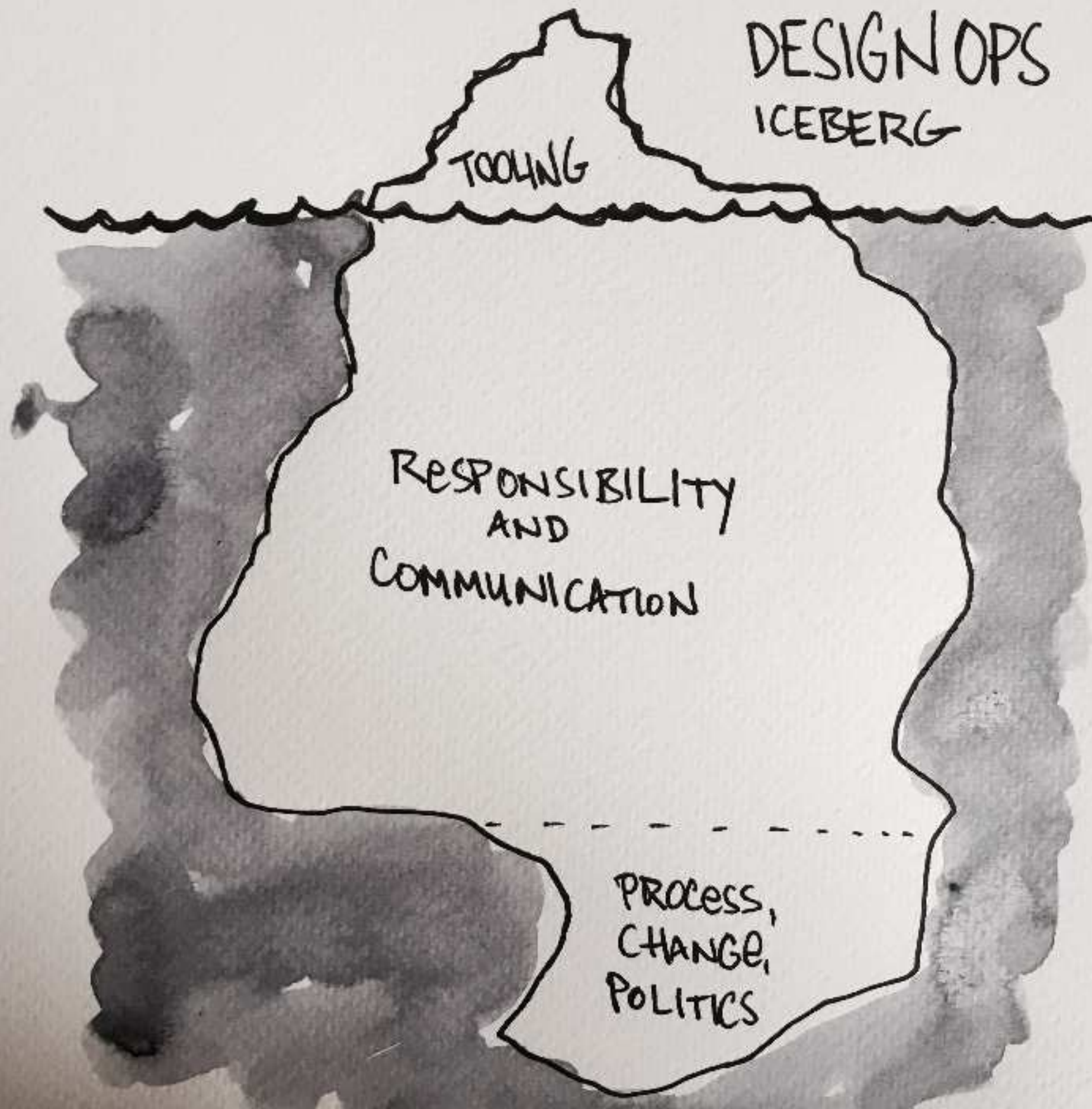**filtercake** commented 23 days ago   DesignOps member   +☺ ✏ ✕

first idea:

👁 Unwatch ▾ | 4   ★ Star | 4   ⑂ Fork | 0

<> Code   ⊙ Issues **6**   ⑂ Pull requests 0   📖 Wiki   ∿ Pulse   📊 Graphs   ⚙ Settings

Filters ▾   🔍 is:issue is:open   Labels   Milestones   **New issue**

☐ ⊙ **6 Open**   ✓ 2 Closed   Author ▾   Labels ▾   Milestones ▾   Assignee ▾   Sort ▾

☐ ⚠ **Talk at upfront Berlin**   💬 2
#8 opened 14 days ago by filtercake

☐ ⚠ **DesignOps Weekly**   💬 4
#7 opened 21 days ago by filtercake

☐ ⚠ **Org gov**   💬 1
#6 opened 21 days ago by filtercake

☐ ⚠ **DesignOps Day Hamburg (Fr Nov 19?)**   💬 0
#5 opened 22 days ago by filtercake

☐ ⚠ **CoC and enforcement**   💬 6
#3 opened 23 days ago by filtercake

☐ ⚠ **What is DesignOps?**   💬 8
#1 opened 23 days ago by filtercake

CoC and enforcement - Issue #3 - DesignOps/discussion

filtercake commented 12 days ago

DesignOps member

🖤 @ShellyCoen has agreed to be an additional contact person for the CoC 🖤

I created code@designops.org which forwards to me and shelly so far – @kaelig do you want to be on that list, too?

kaelig commented 10 days ago

DesignOps member

Yes please, thank you very much for doing this.

ShellyCoen commented 10 days ago

DesignOps member

<3 Happy to be of help @filtercake! And nice to meet you @kaelig :)

kaelig commented 9 days ago

DesignOps member

Hi!

filtercake commented 12 days ago · DesignOps member

❤️ **@ShellyCoen** has agreed to be an additional contact person for the CoC ❤️

I created `coduct@designops.org` which forwards to me and shelly so far – **@kaelig** do you want to be on that list, too?

---

kaelig commented 10 days ago · DesignOps member

Yes please, thank you very much for doing this.

ShellyCoen commented 10 days ago · DesignOps member

<3 Happy to be of help **@filtercake**! And nice to meet you **@kaelig** :)

---

kaelig commented 9 days ago · DesignOps member

Hi!

DesignOps

Filters ▾   🔍 Find a repository…

➕ **New repository**

designops.github.io
HTML ⭐ 1   ⑂ 1

code for DesignOps.whatever

Updated 6 days ago

---

designops-weekly-submit
⭐ 0   ⑂ 0

Updated 14 days ago

---

discussion
⭐ 4   ⑂ 0

Updated 23 days ago

People
5 ›

Invite someone

DesignOps

Filters ▾   🔍 Find a repository…

People   1 ›

filtercake
filtercake

designops.github.io

HTML ⭐ 1   ⑂ 1

code for DesignOps.whatever

Updated 6 days ago

designops-weekly-submit

⭐ 0   ⑂ 0

Updated 14 days ago

discussion

⭐ 4   ⑂ 0

Updated 23 days ago

<> Code   ⓘ Issues 16   ⑂ Pull requests 0   📖 Wiki   ⋀ Pulse   ⅲ Graphs   ⚙ Settings
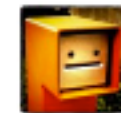
No description or website provided. — Edit

⏱ **9** commits   ⑂ **1** branch   🏷 **0** releases   👥 **1** contributor

Branch: **master ▾**   New pull request   New file   Upload files   Find file   SSH ▾   git@github.com:DesignOps/   📋   ⬇   Download ZIP

🖼 **filtercake** Update ISSUE_TEMPLATE.md   Latest commit **b5a85c7** 14 days ago

📁 .github   Update ISSUE_TEMPLATE.md   14 days ago

📄 README.md   Update README.md   20 days ago

📖 **README.md**

We're looking for articles on **what and how to do** and **tools that make doing it easier** :)

SUBMIT A LINK

link submission

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Submit new issue

DesignOps Day Hamburg (Fr Nov 19?) #5

**filtercake** commented 22 days ago

DesignOps member   +☺   ✏

I do not want to organize an official conference or anything at this point or found another meetup.

XP Days Germany 2016 are in Hamburg from Nov 20 to 22., so let's just informally and unofficially meet on Saturday, Nov 19, in Hamburg.

I'm sure all the rest (location, wifi, coffee) will come together until then – and if not, we can still occupy some coffeeshop :)

All your questions are welcome!
All your input and ideas are welcome!
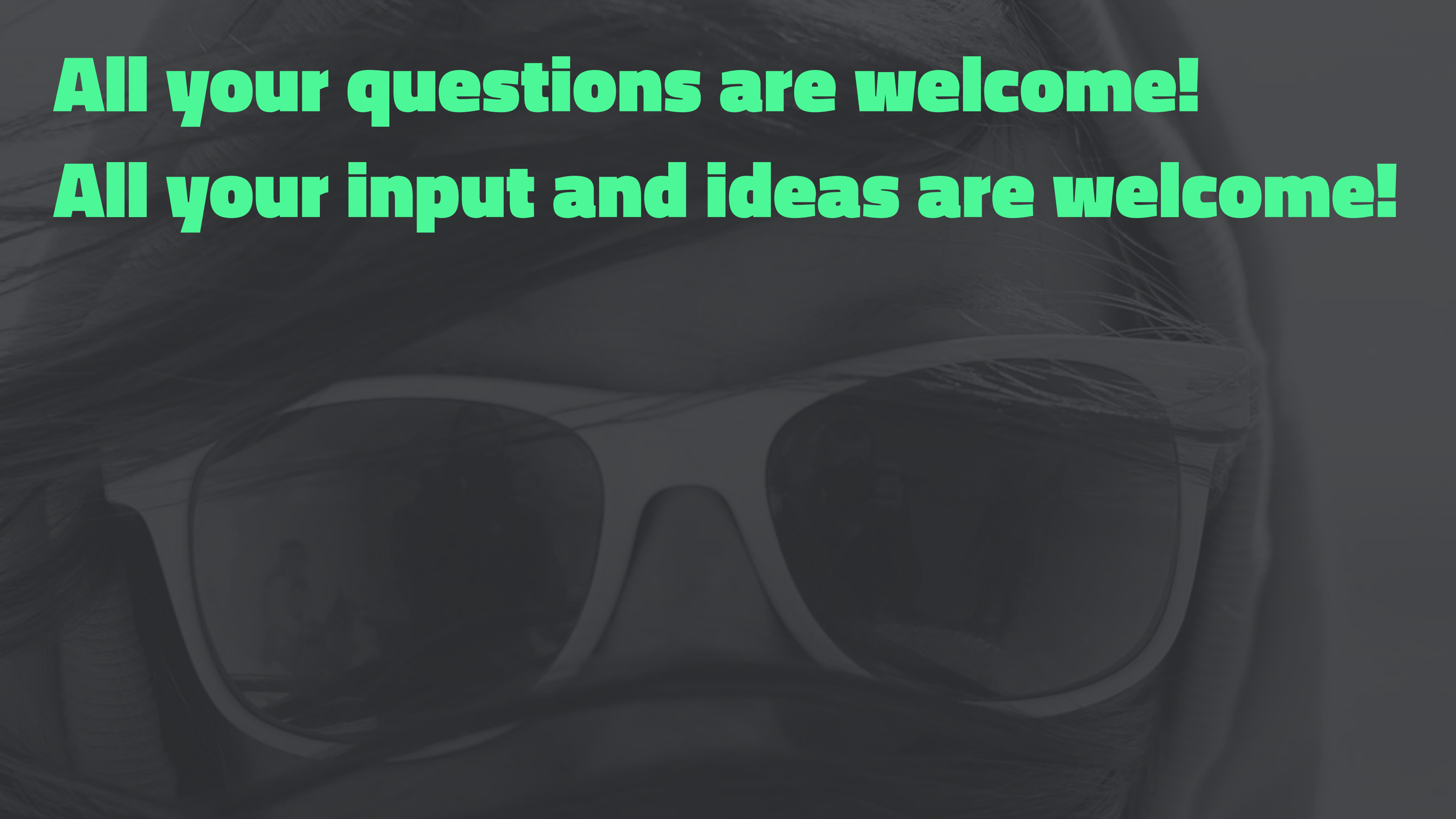
🦄 Jimdo

EMPOWER, COOPERATE, COMMUNICATE

THX! :)

Fabian Fabian – @filtercake

jimdo.com/jobs