



Bridge the Gap Between Design and Development

About me

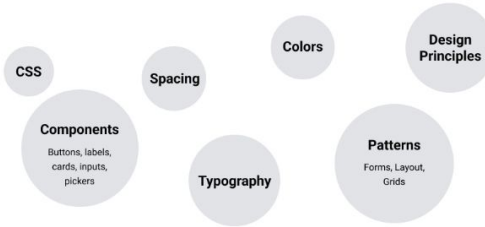
Ondřej Konečný

Designer and Developer

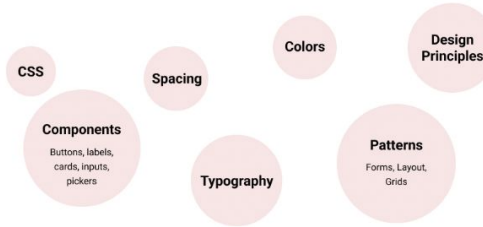


What is current situation?

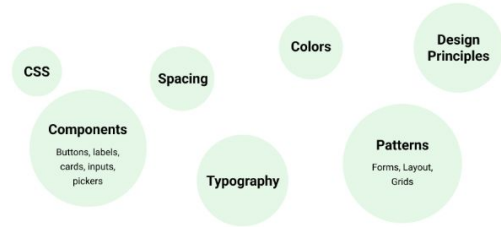
Dashboard team



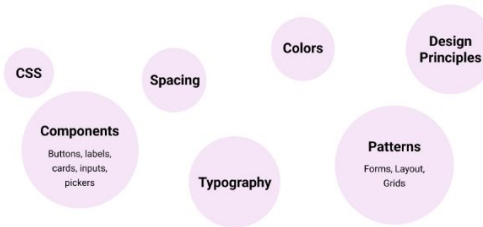
Call Flow Designer team



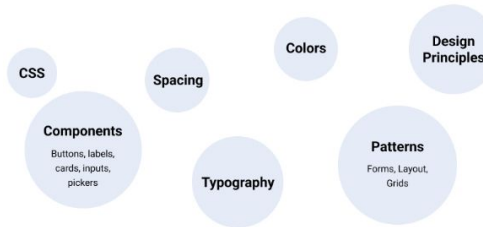
Statistics team



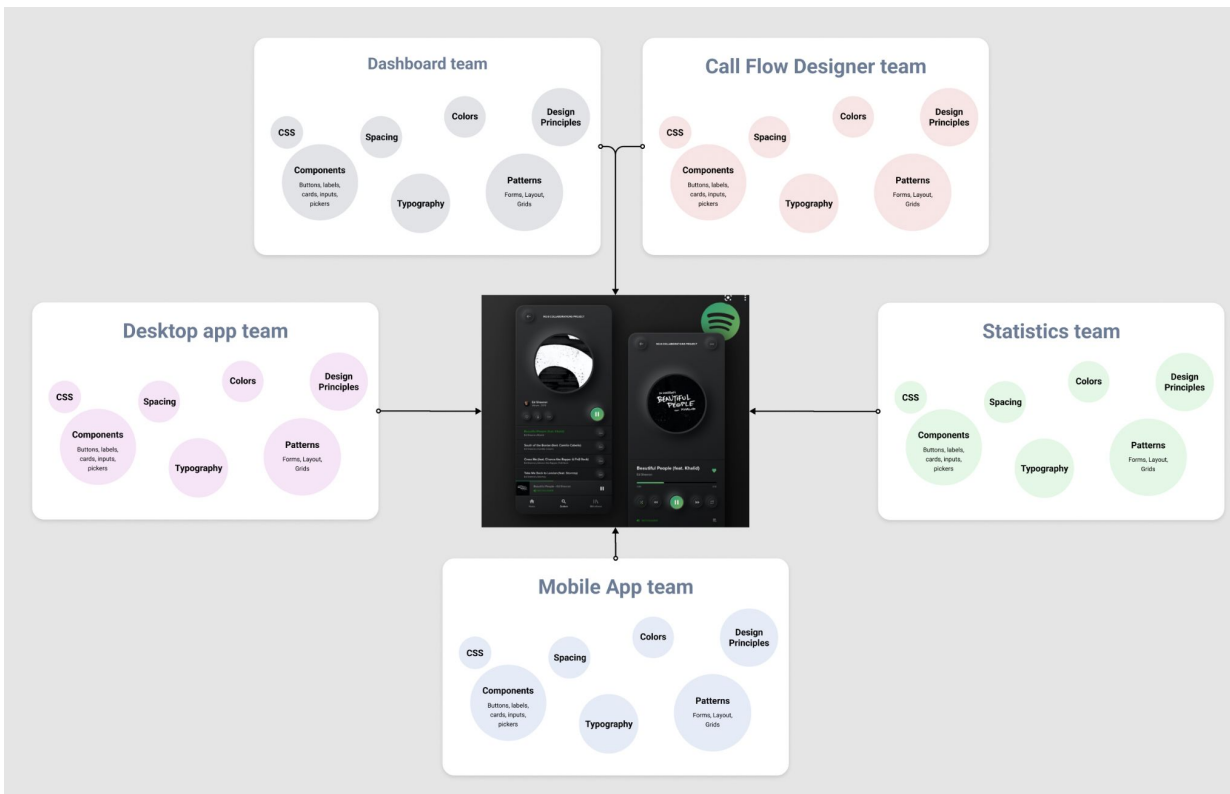
Desktop app team



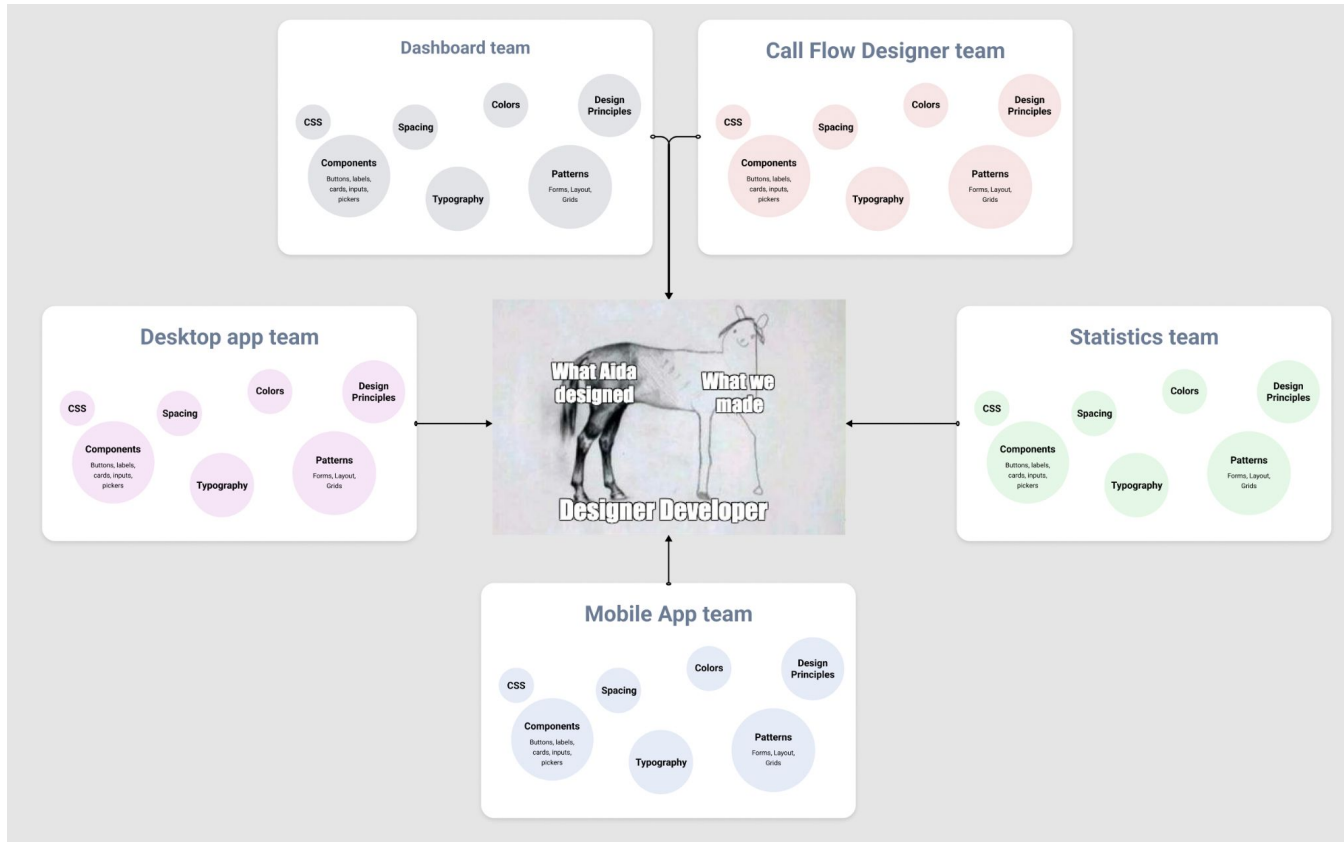
Mobile App team



What we want?



What we (probably) get?



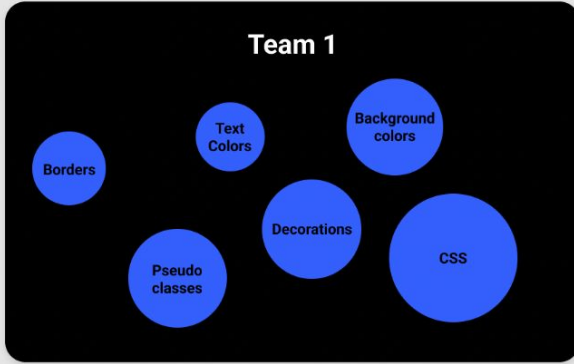
What if there is a design update?



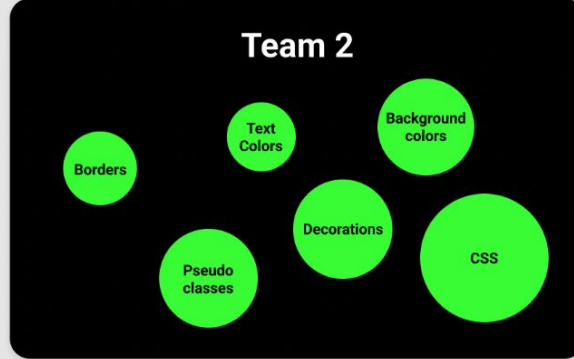
Little redesign? Bug fixing? Component modification? Font change? **Dark mode?**

Dark mode example.

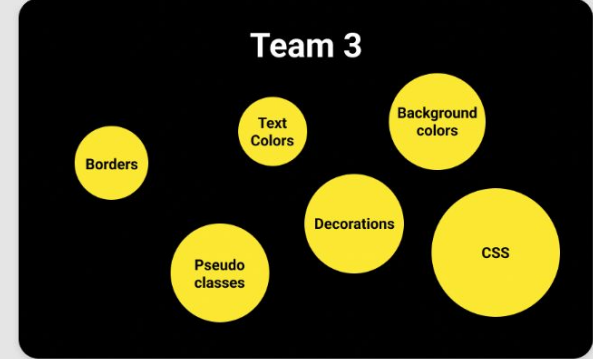
Team 1



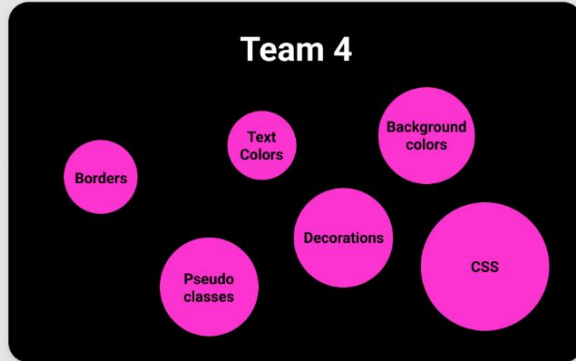
Team 2



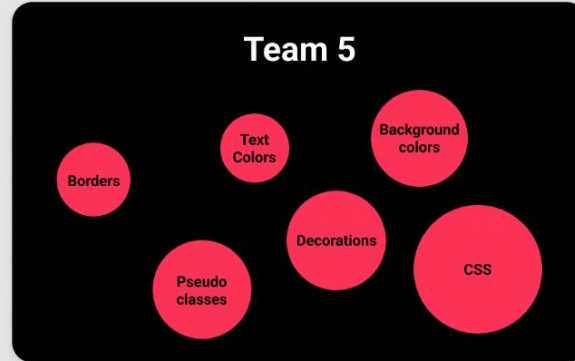
Team 3



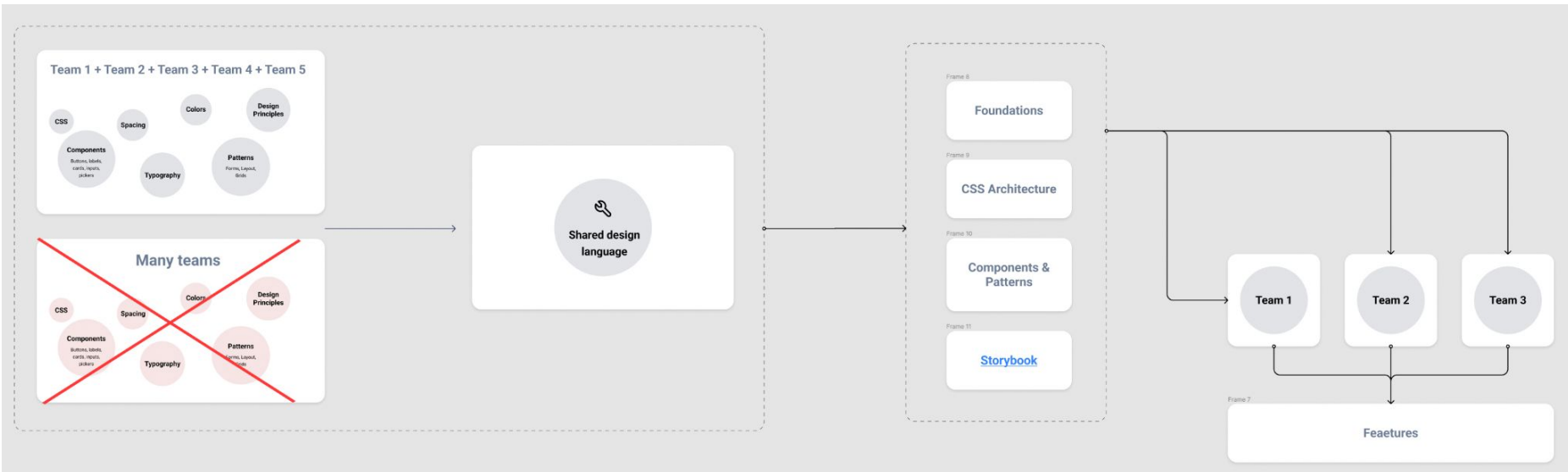
Team 4



Team 5



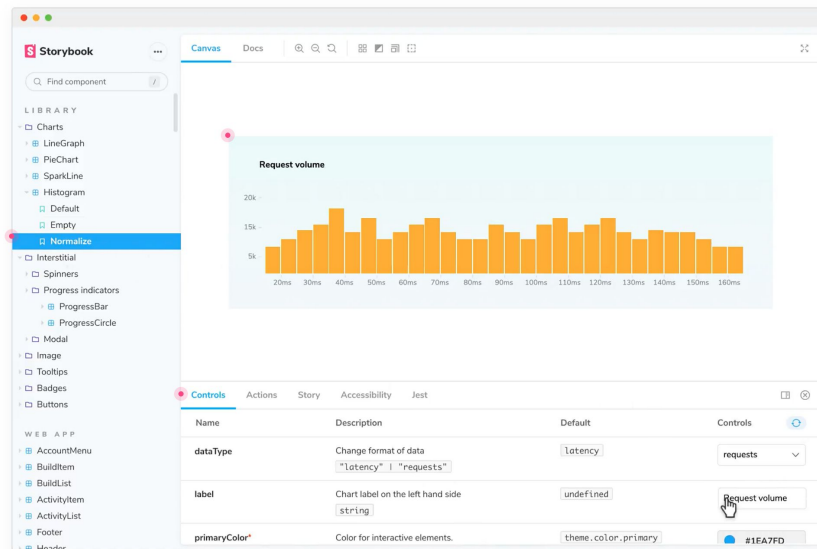
How we can improve it?



Storybook for the win.



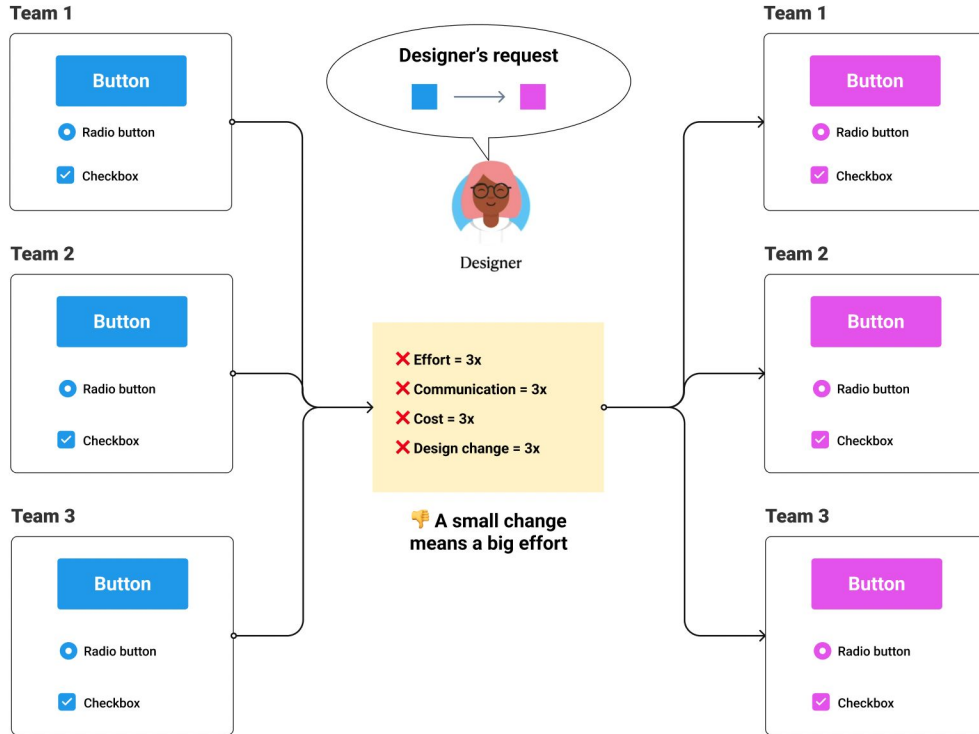
[LIVE VERSION](#)



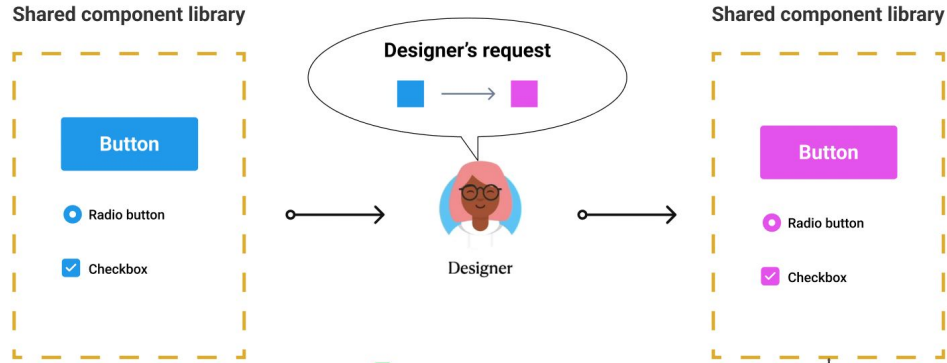
What is Storybook good for?

- ✓ UI development
- ✓ Documentation
- ✓ Single source of truth
- ✓ Testing
- ✓ Live and actual state of the components
- ✓ Can be used by developers, designers, managers, testers

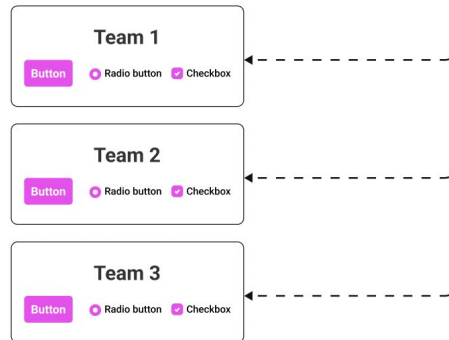
Recap



Recap



✔ Updating just one library that all teams are sharing



So, what should we do?

- Create scalable and maintainable Front-End Architecture
- Create a shared component library
- Unify frameworks, methodologies, naming conventions etc.

Because of high CSS specificity

Specificity

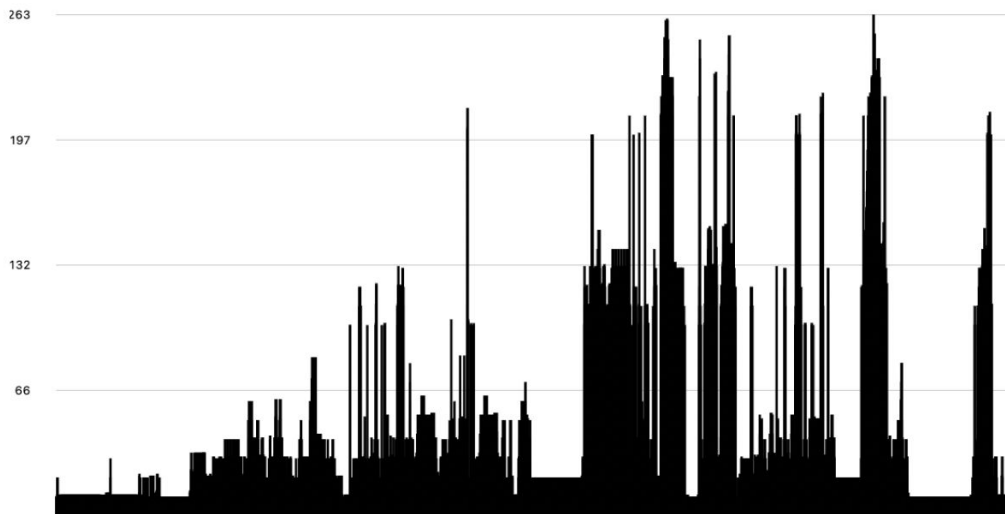
Average score

38

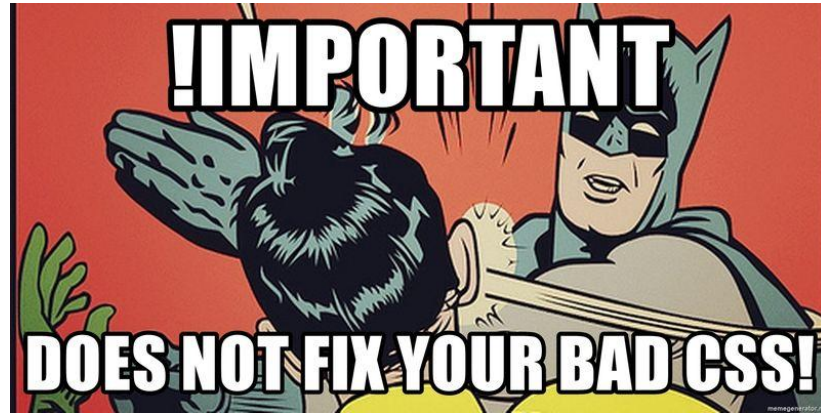
Max score

263

Base 10 specificity score for each selector by source order. Generally, lower scores and flatter curves are better for maintainability. [Learn More](#)



We do not want this.



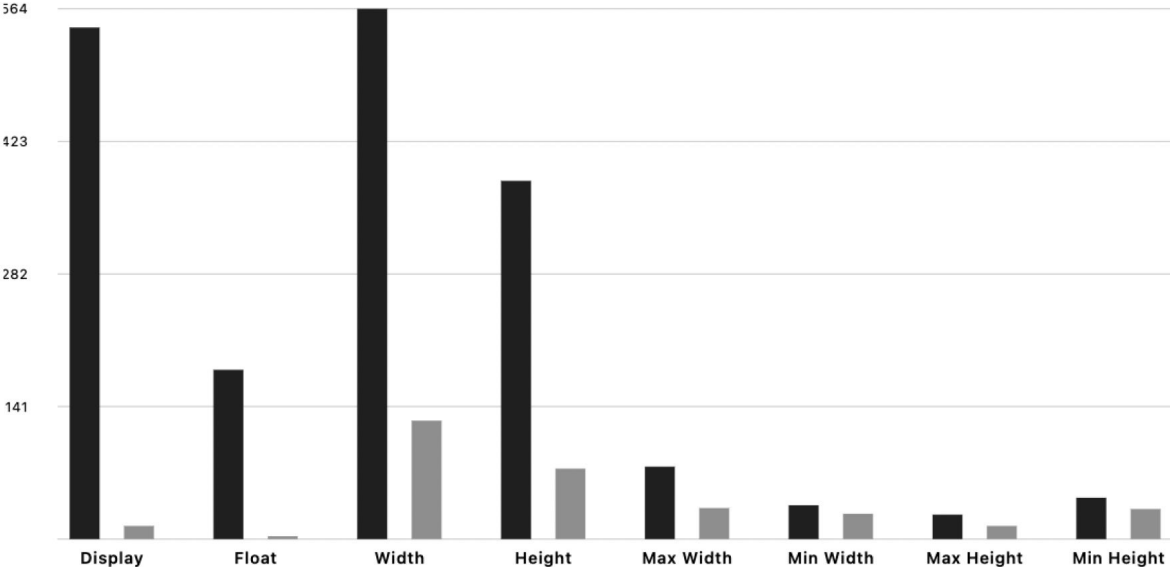
Because there is $\frac{2}{3}$ unnecessary code.

Total vs Unique Declarations

Out of the **14,047** total declarations, **4,752** have unique values. The ratio of unique to total declarations is **0.34**

The comparison charts below can help you identify which properties might be the best candidates for creating abstractions.

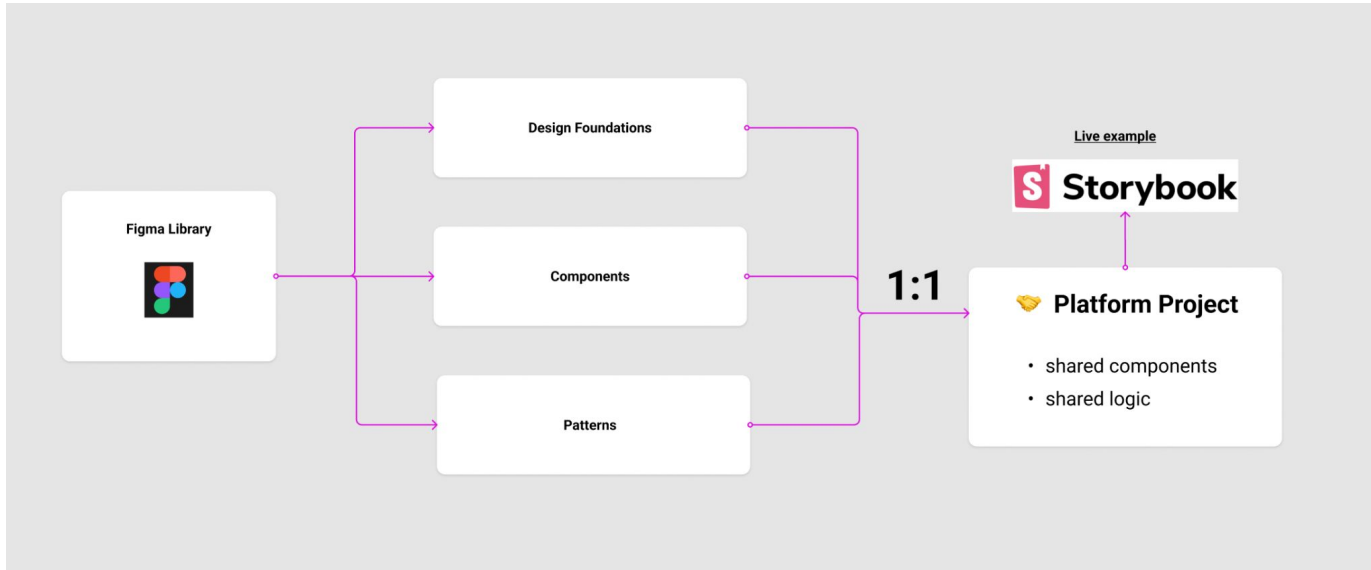
Layout and Structure



And because we don't like troubles.



Agan. What is the solution?




Figma inside - Foundations

Principles & Foundations


Description goes here...

INCOMPLETE




Colors
v1.0 • Color system and aliases

INCOMPLETE




Typography
v1.0 • Text styles and scales

INCOMPLETE




Icons
v1.0 • Product icons

INCOMPLETE



Object Styles
v1.0 • Elevations & Shadows & Radiuses

INCOMPLETE




Layout
v1.0 • Grids & Spacers & Containers

Figma inside - Components

Components


Description goes here...

INCOMPLETE




Tooltip
v1.0

INCOMPLETE




Name
v1.0

INCOMPLETE



Name
v1.0

INCOMPLETE

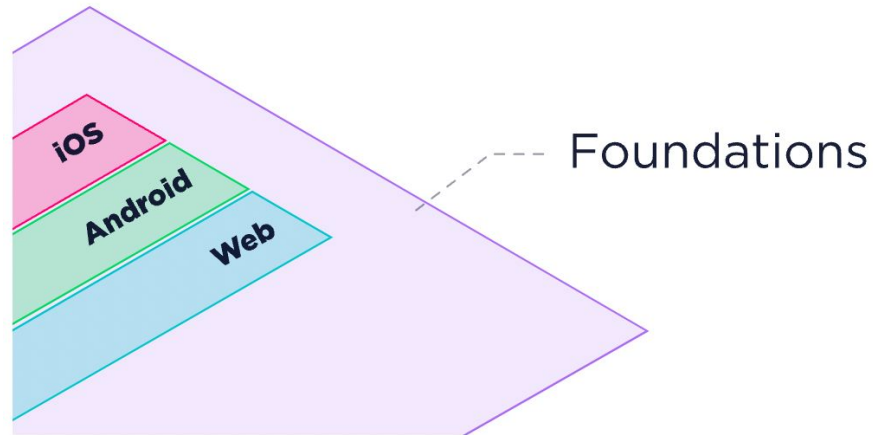


Name
v1.0

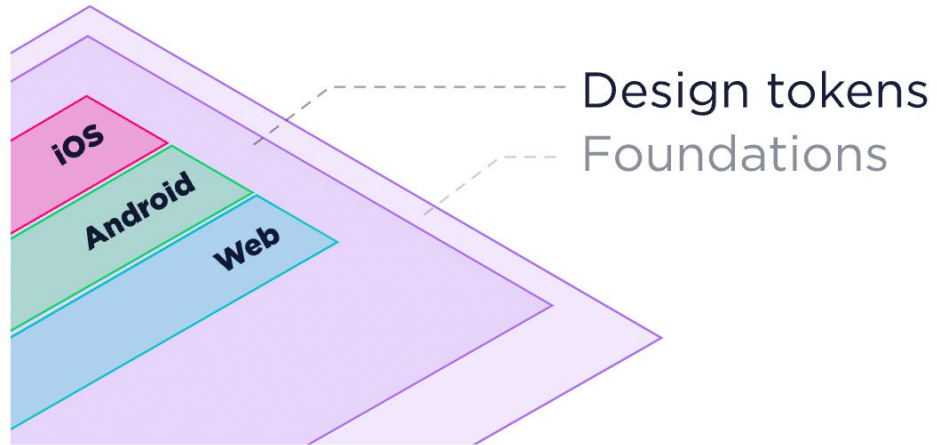
Figma inside - Tooltip



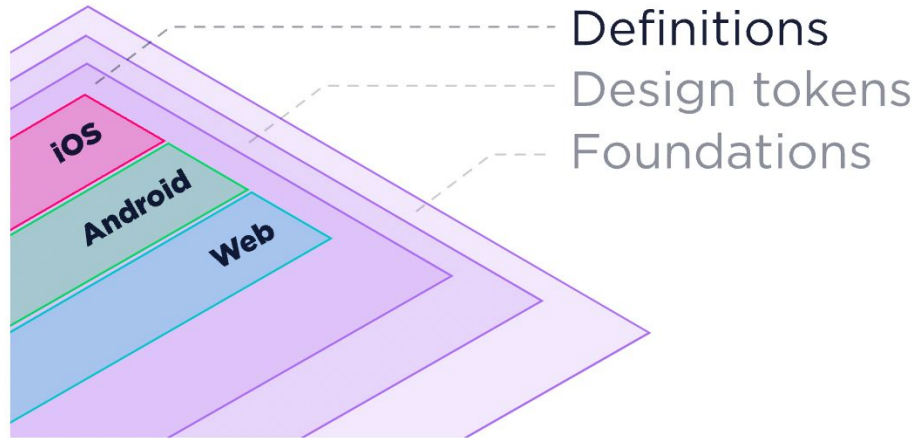
Fundamentals of the design



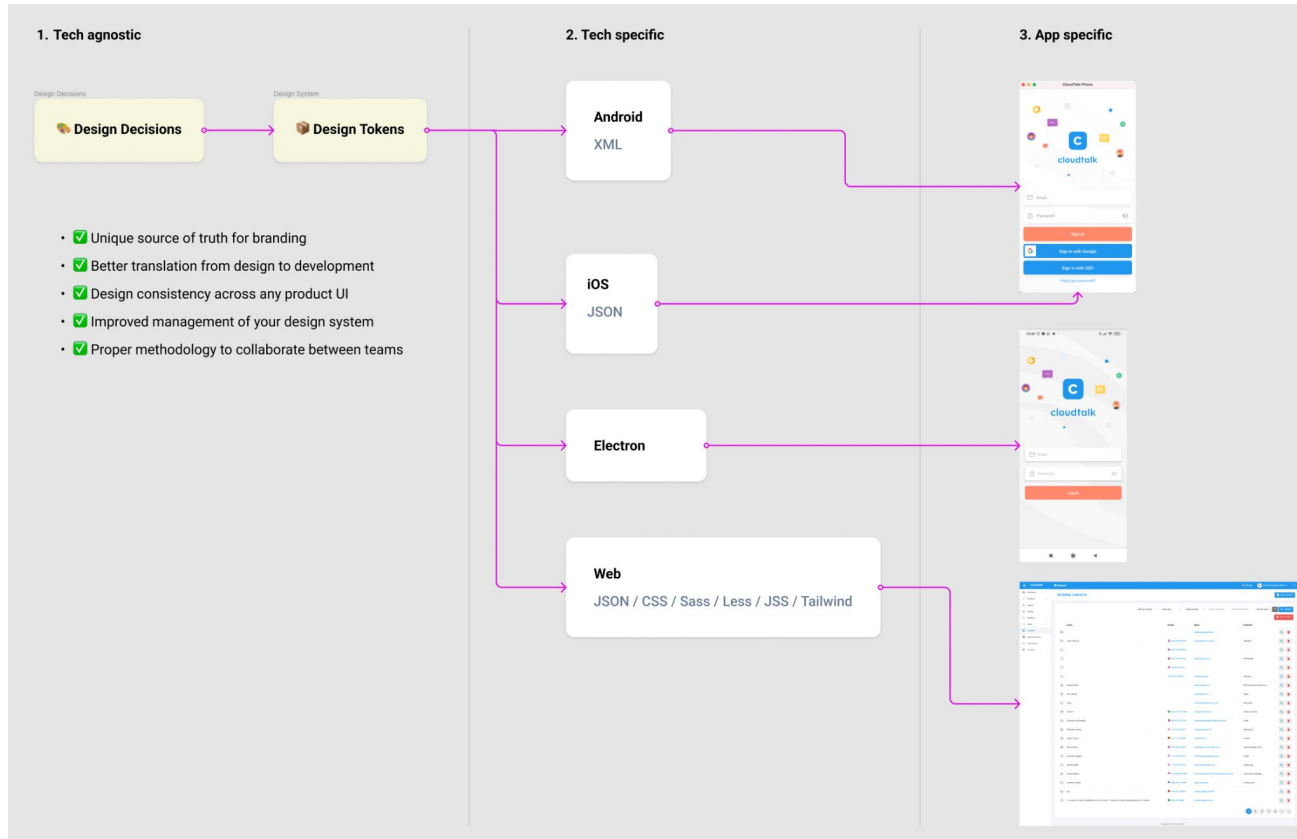
Naming of the variables



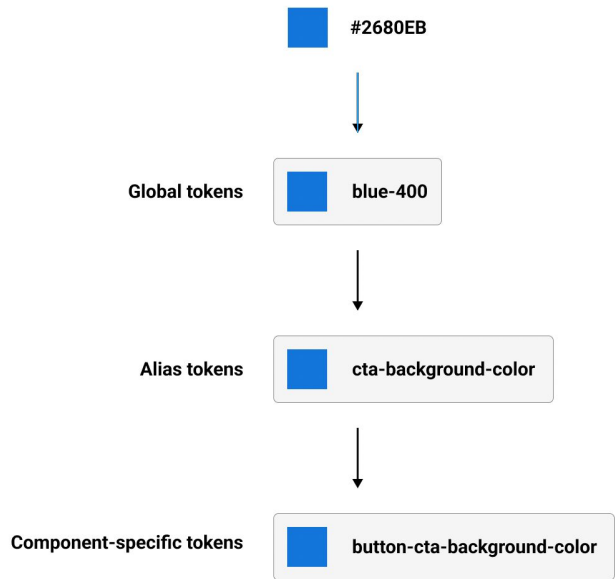
Component specific definitions



Multi-platform FE system architecture



So what are design tokens?



Global tokens

Global tokens are the primitive values in our design language, represented by context-agnostic names. Our color palette, animation, typography, and dimension values are all recorded as global tokens. These can be directly used, and are inherited by all other token types.

Alias tokens

Alias tokens relate to a specific context or abstraction. Aliases help communicate the intended purpose of a token, and are effective when a value with a single intent will appear in multiple places.

Component-specific tokens

Component-specific tokens are an exhaustive representation of every value associated with a component. They often inherit from alias tokens, but are named in a way that allows engineering teams to be as specific as possible in applying tokens in component development.

Design tokens are just spicy variables.

Whatever works best for that team wins.

Variables, Super Variable, Constants, Design Tokens, Style Parameters, Style Dictionary, Primitives, Subatomic Particles, Style Expressions.

— Jina | @jina



Design tokens are just spicy variables.

**Sizing | Fonts Families | Font Styles |
Font Weights | Font Sizes | Line Heights
| Border Styles | Border Colors | Border
Radius | Horizontal Rule Colors |
Background Colors | Gradients |
Background Gradients | Box Shadows |
Text Colors | Text Shadows | Time |
Media Queries | Z Index | Icons**

How to convert JSON to CSS or another languages?



Diez



Style-dictionary

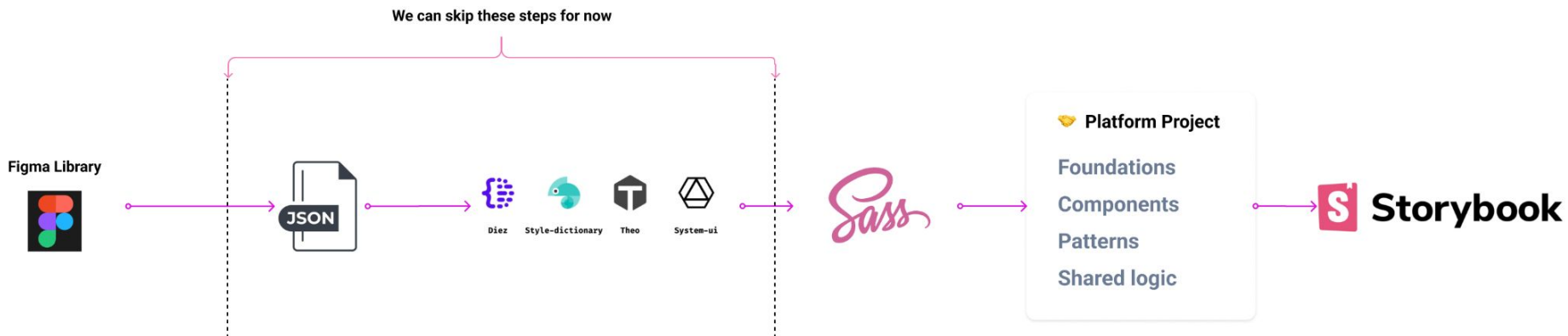


Theo



System-ui

What should we do (IMHO) now?



Steps?

- Find the way how we construct the Front-End structure
 - ◆ Monorepo? Multi-repo? Monolit? Npm packages?
- Select good CSS approach
- Move all components into one place
- Create Storybook - if you agree that it is useful

**Great design and user experience
lives in the details.**

Thanks!

Some topics for next meeting?



And why is good consider not using this framework :)

