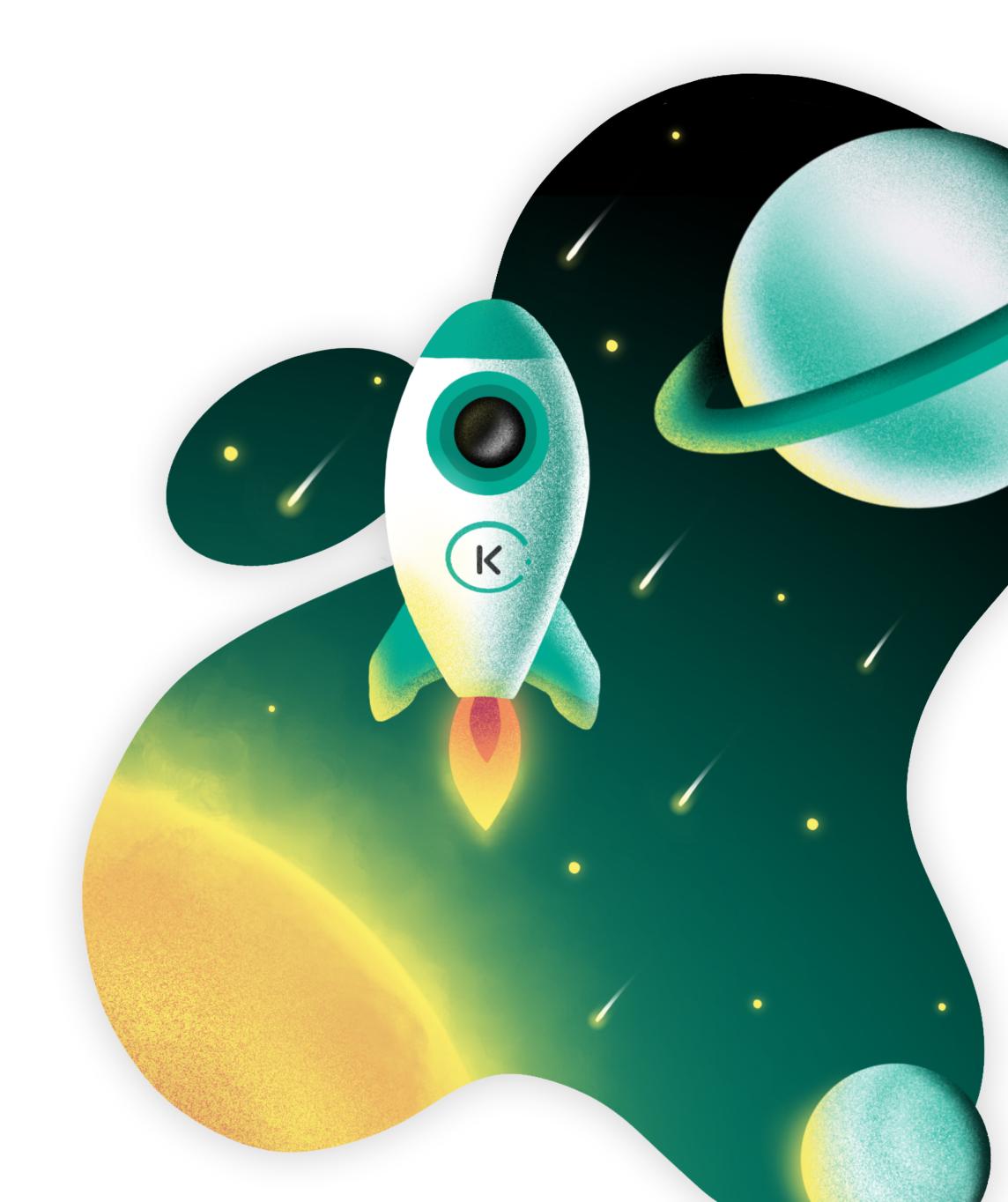
Safer approach

to building design systems



Jan Toman, Kiwi.com Webcamp Zagreb, October 2019



Jan Toman

Design System Lead at Kiwi.com

Making travel better at



Twitter: @HonzaTmn

A design system is...

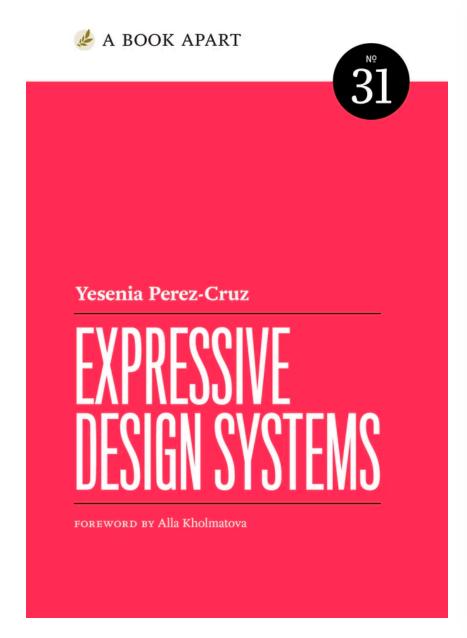
A design system is a collection of reusable UI components,

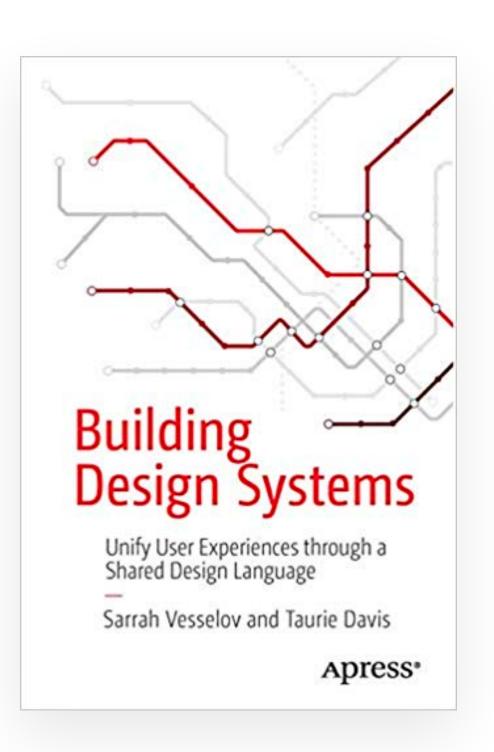
A design system is a collection of reusable UI components, guided by clear standards,

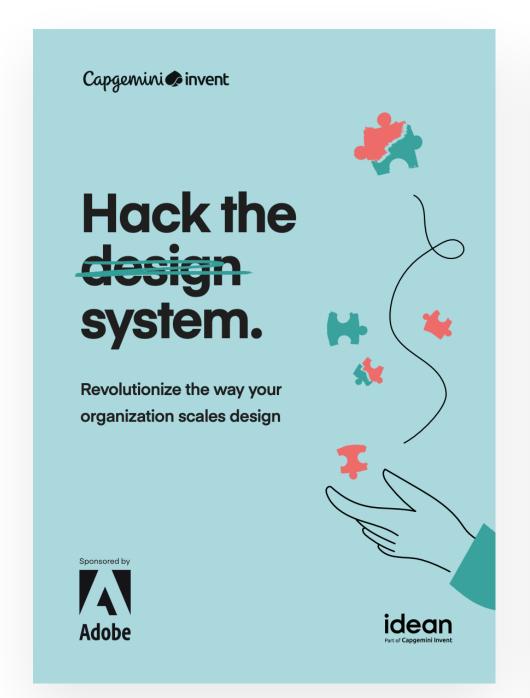
A design system is a collection of reusable UI components, guided by clear standards, that can be assembled together to build any number of applications.

Source: Invision Blog

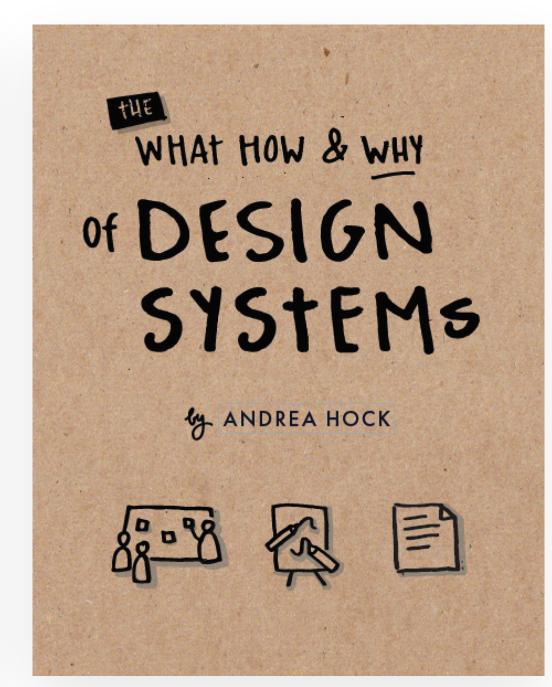
Design systems are popular

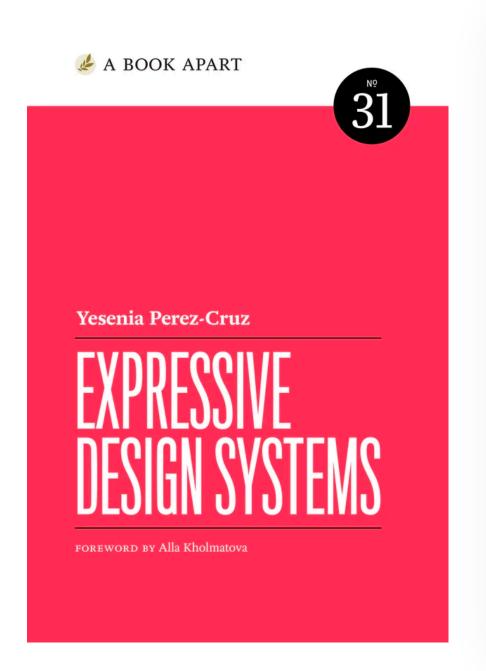


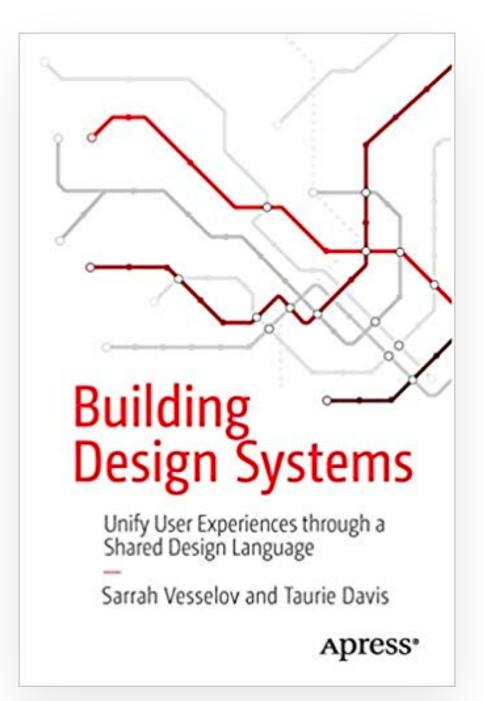


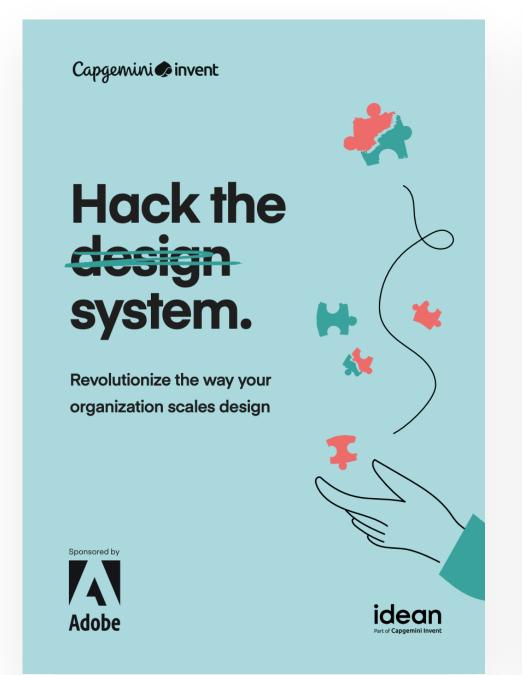


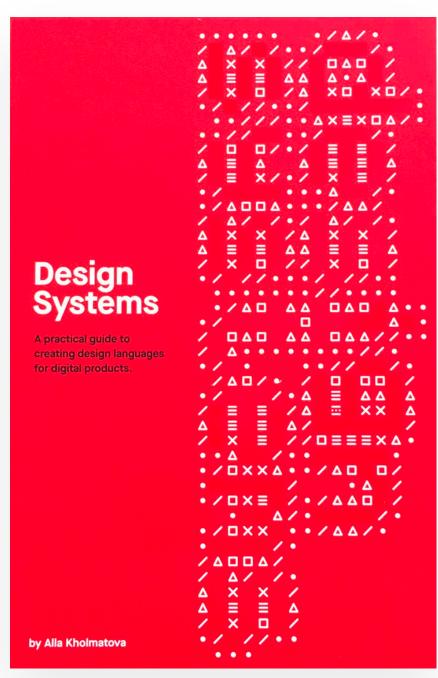


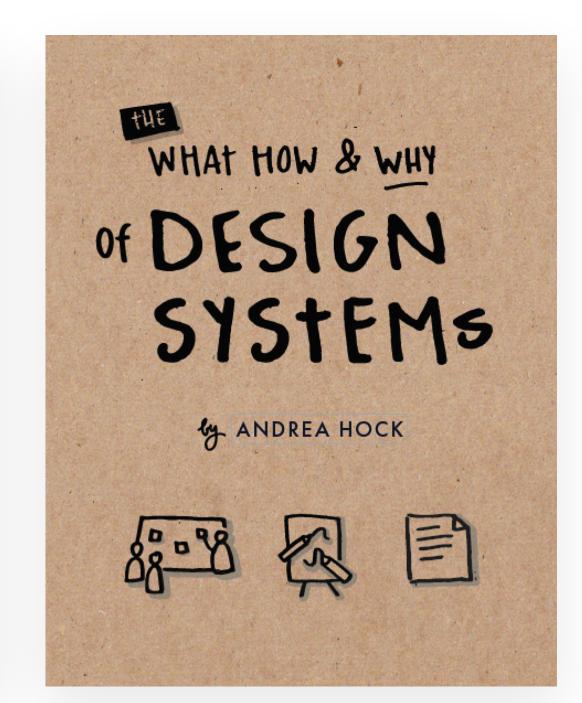


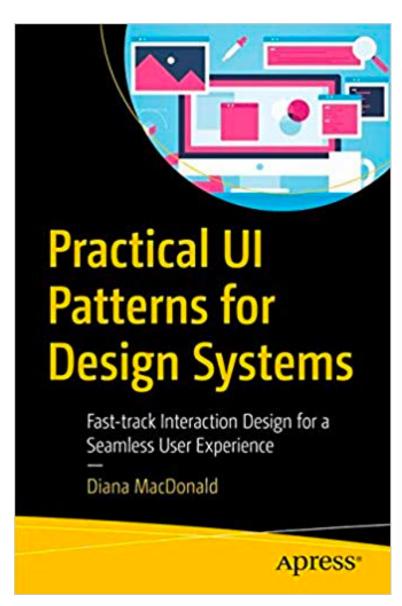


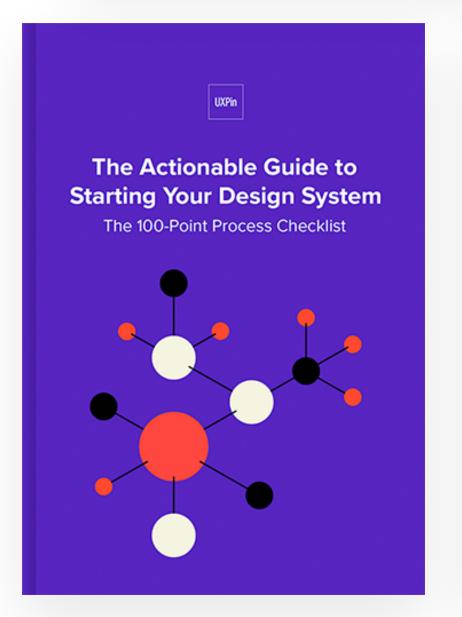






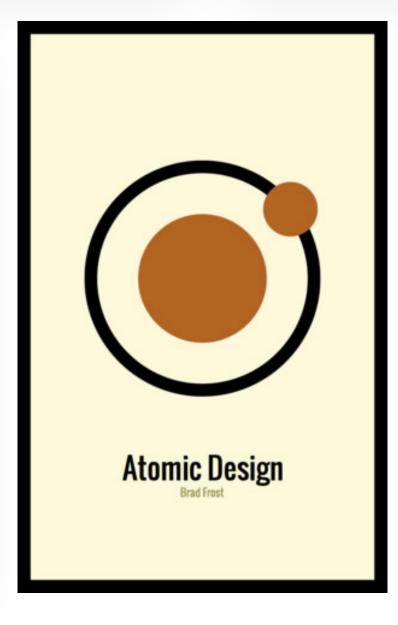






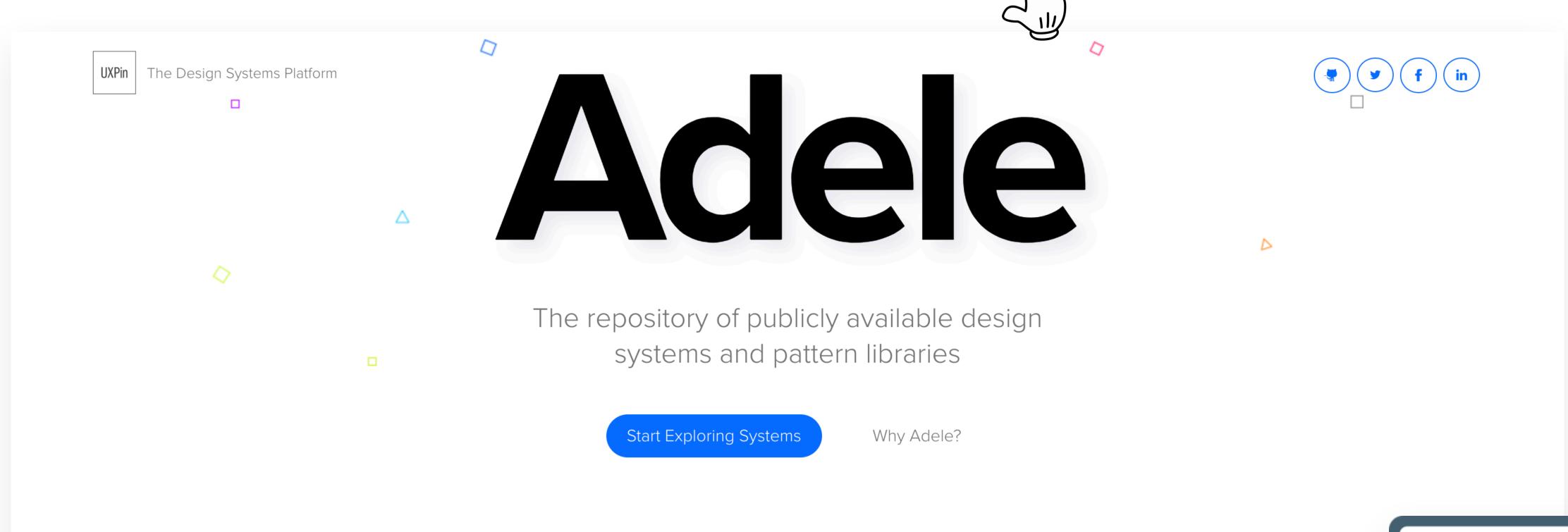












Code Depth JS Library/Framework A/Z Repository Company System Components ΑII Type to filter... 다 GitHub HTML/CSS Dropbox ば Scooter (Depracted) no yes

Filter categories: Type to filter...

SCAN ME

https://github.com/alexpate/awesome-design-system

■ README.md



Awesome Design Systems

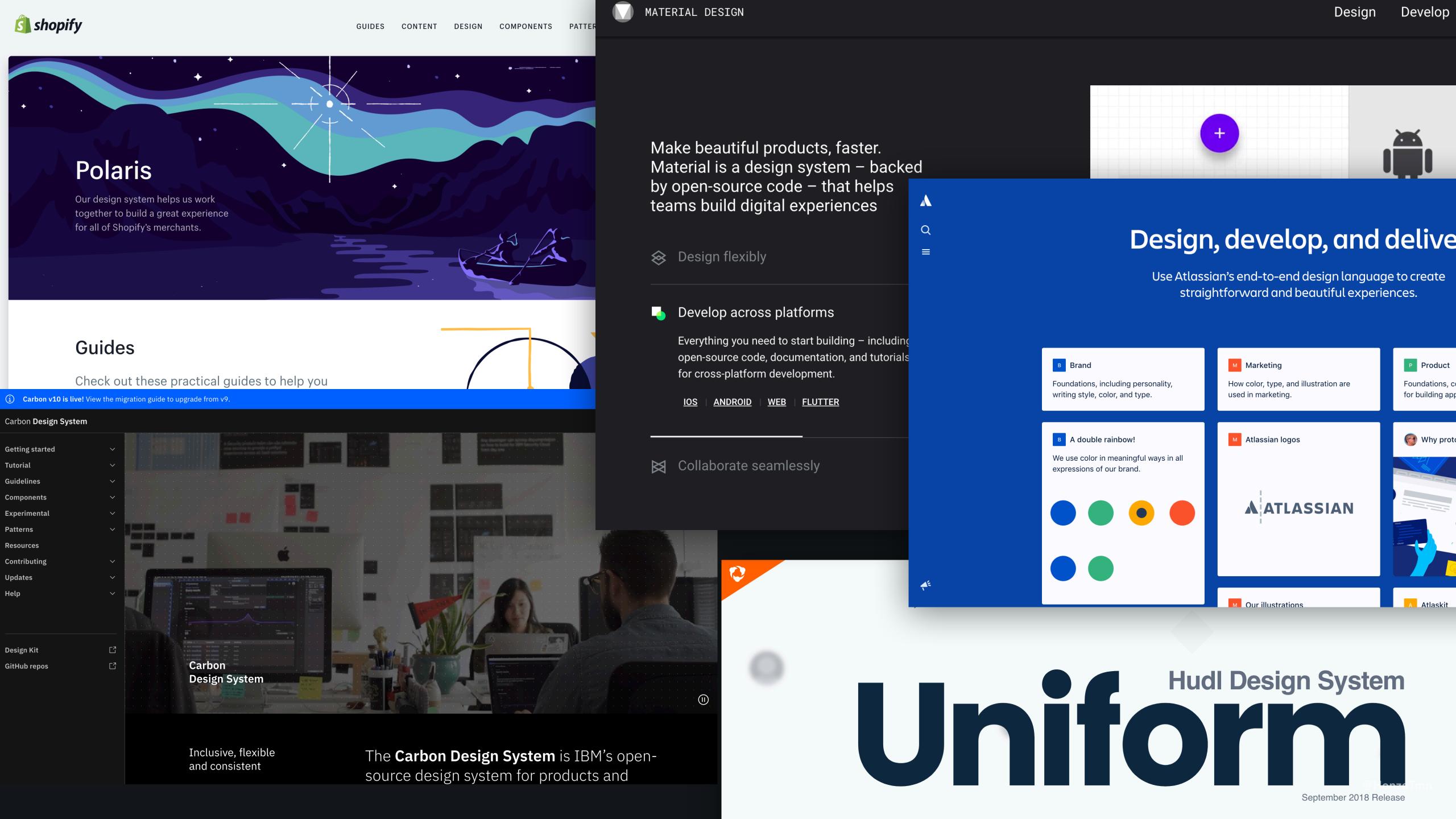
A curated list of design systems, pattern libraries, and everything inbetween.

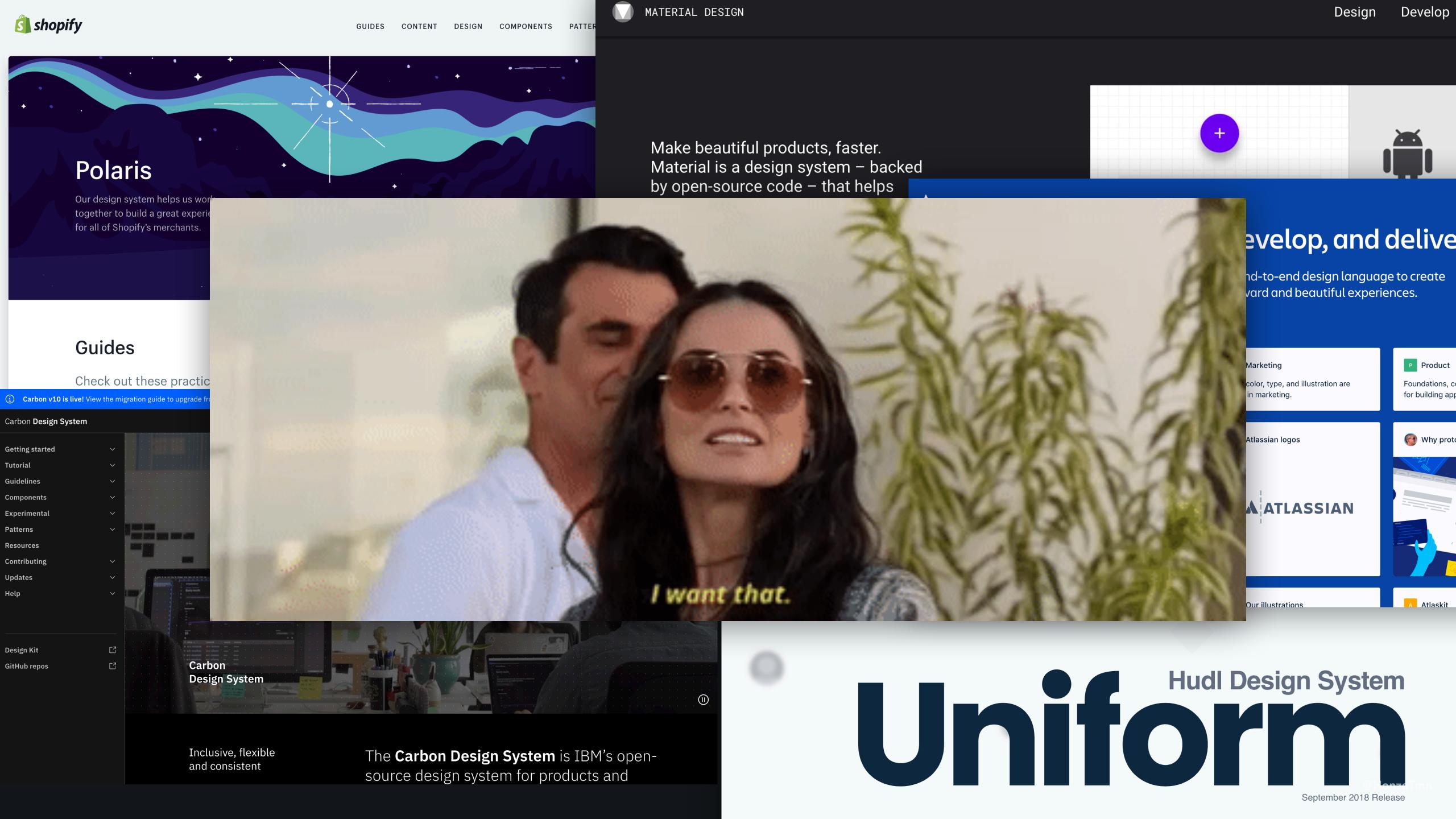
Contributions welcome

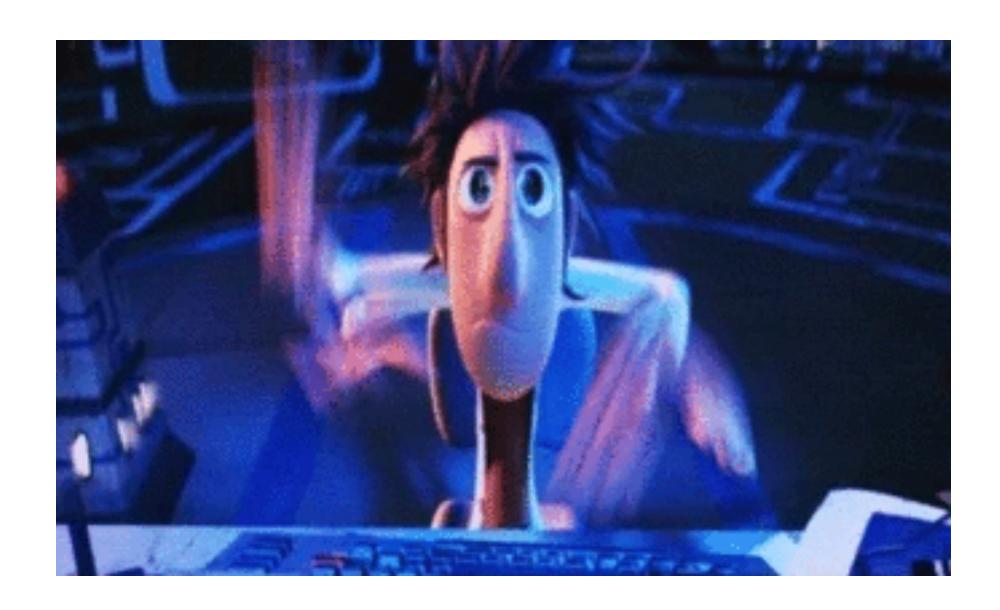
Know a resource that isn't listed below? Feel free to create a new pull request, or open an issue.

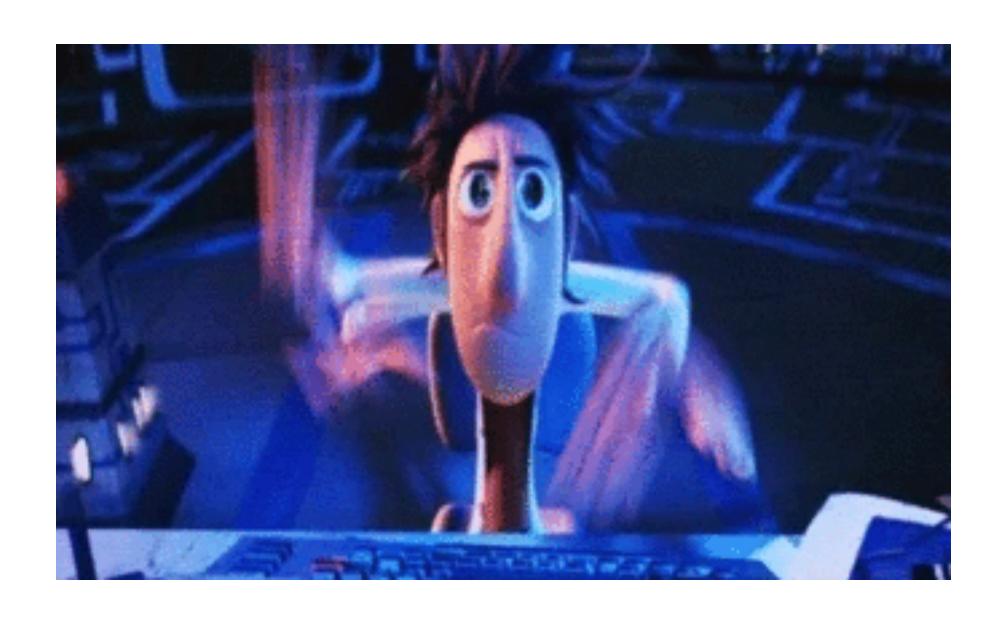
A design system is a collection of documentation on principles and best practices, that helps guide a team to build digital products. They are often embodied in UI libraries and pattern libraries, but can extend to include guides on other areas such as 'Voice and Tone'.

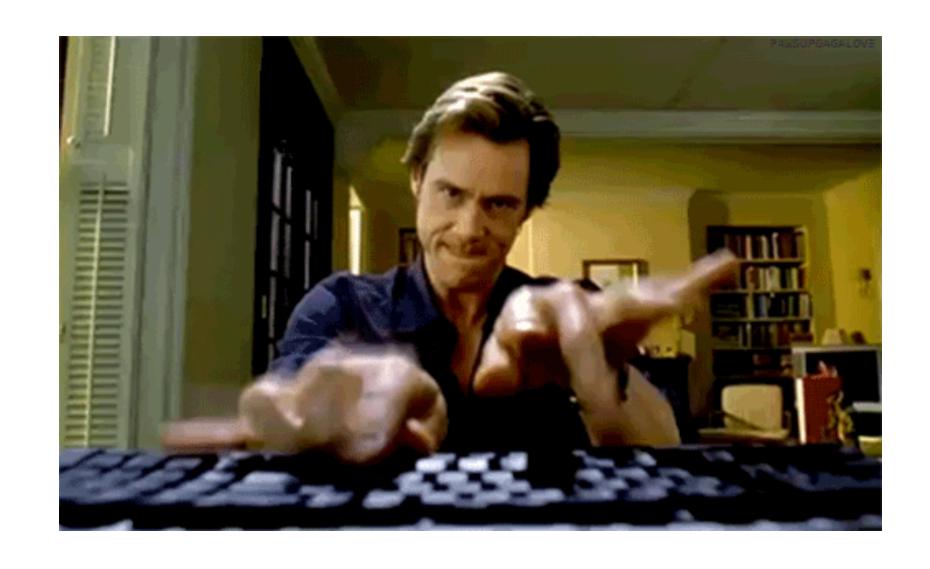








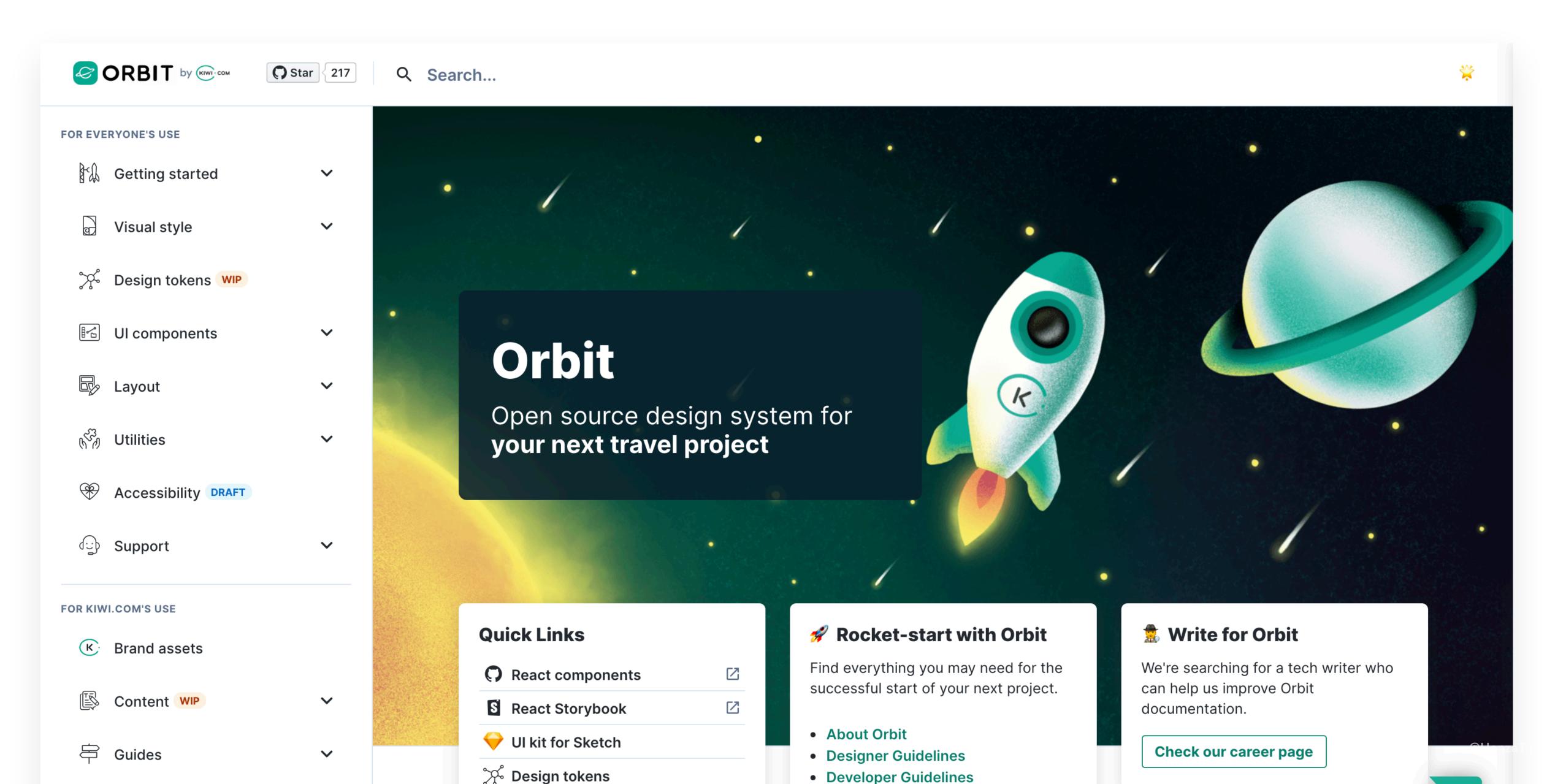






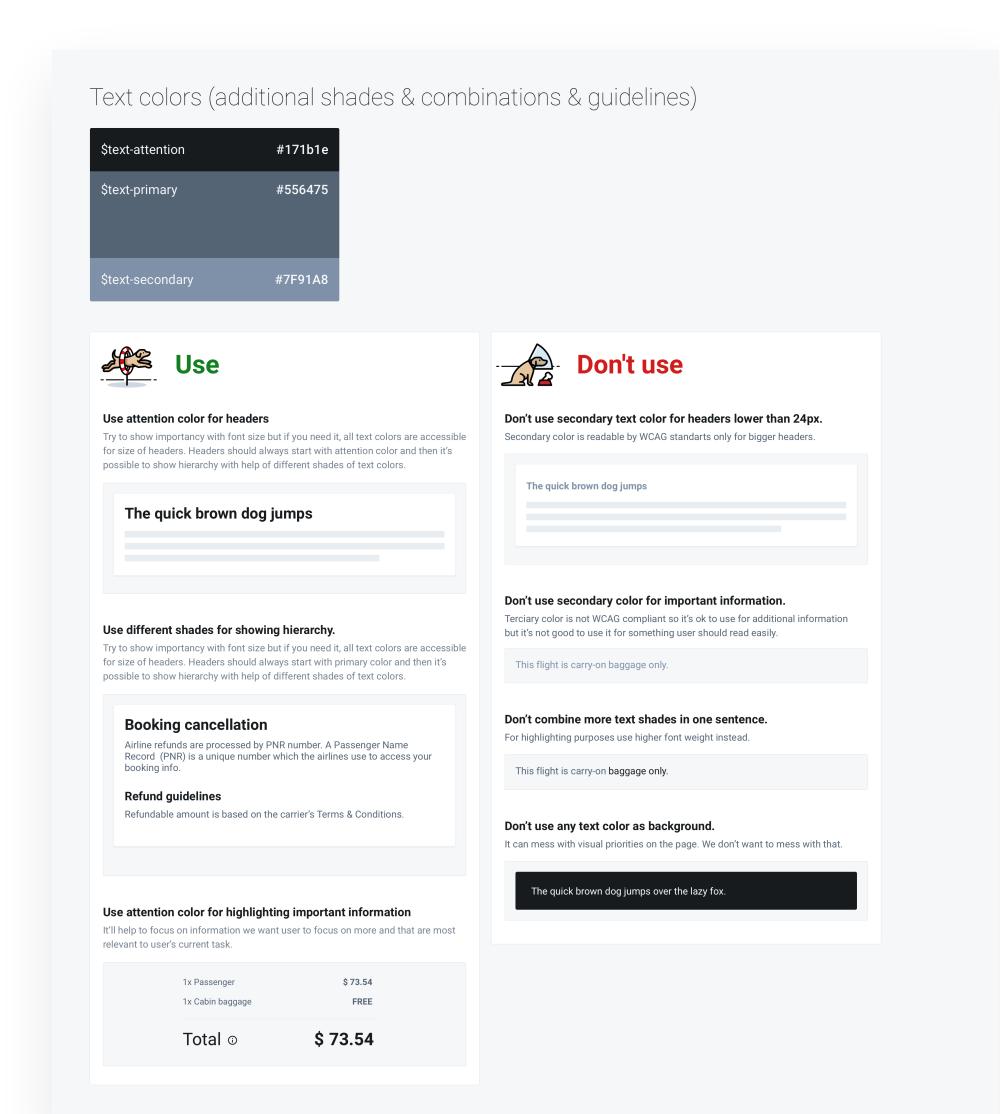
orbit.kiwi

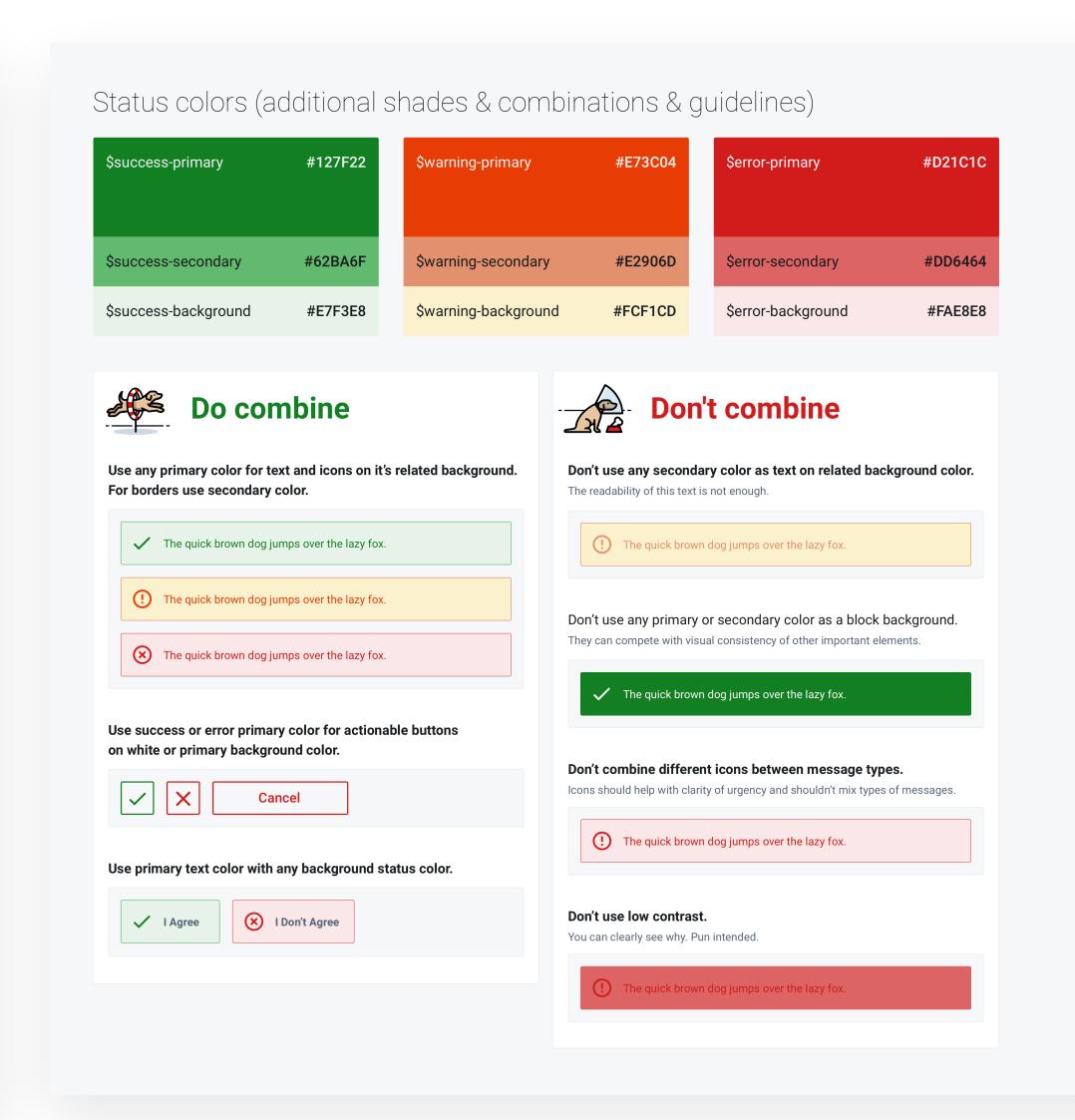
Launched last month



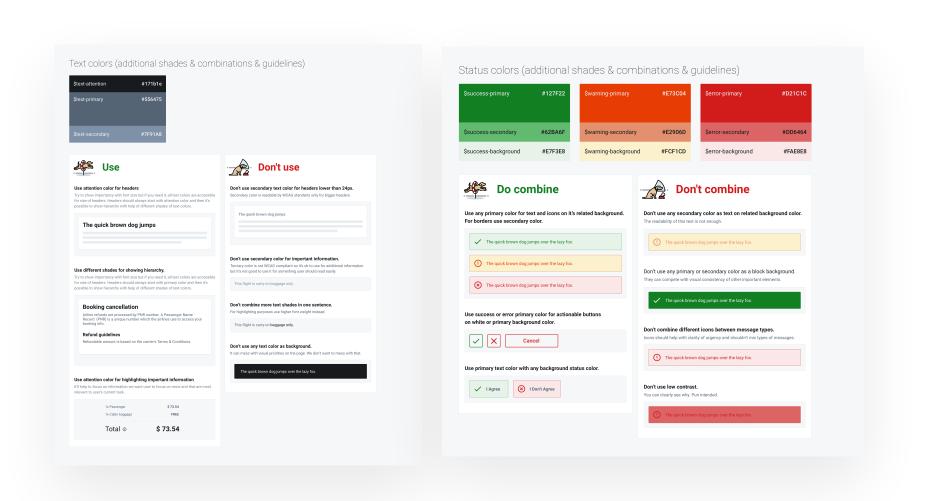
Color guidelines in Invision

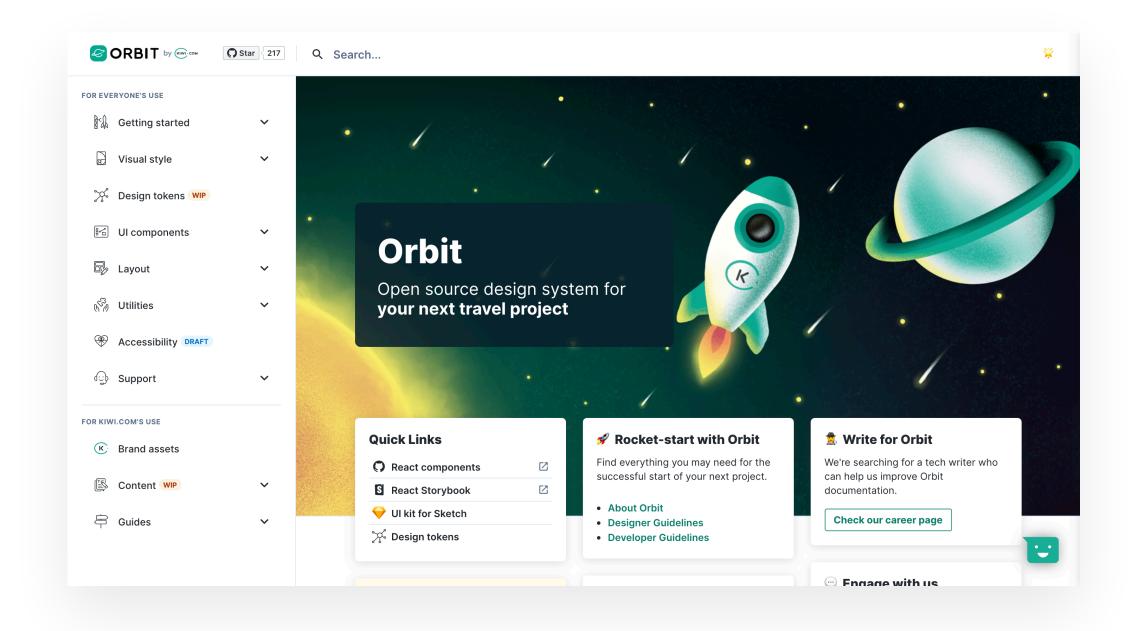
2 years ago





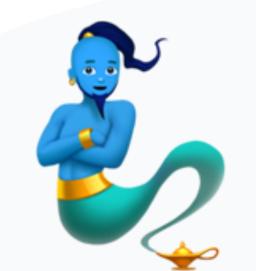
What's the main difference?

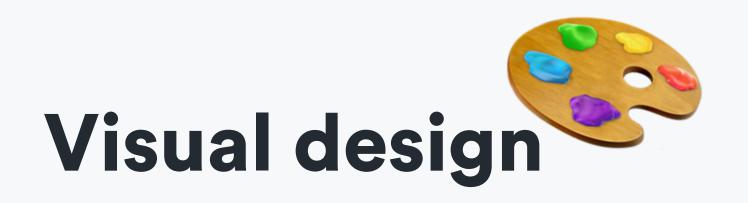




Change won't happen overnight

What do we want to change?







Communication

Tools & processes





How designers design.



What tech stack devs use.



How colleagues talk.

Tools & processes

How everyone works.



How designers design.

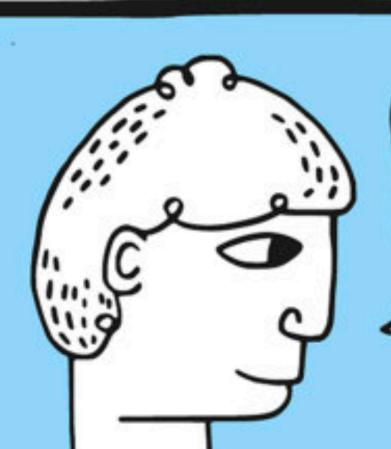
Which tech stack devs use.

How colleagues talk.

How everyone works.

Design systems are about people.

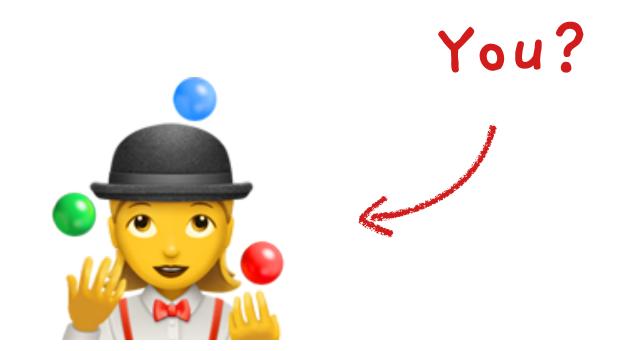




WHO WANTS TO CHANGE?



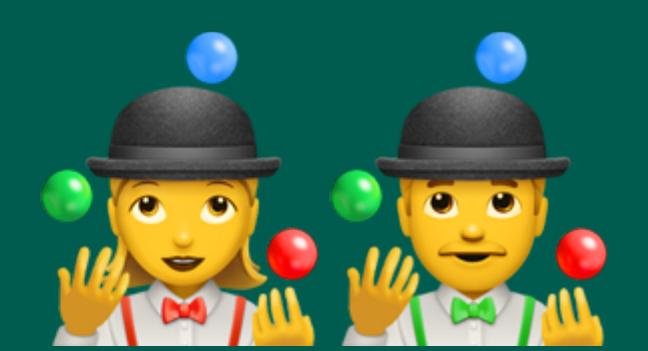




When you want to change so many stuff for so many people, it's important to balance it very carefully

Balancing a change with a lean approach

Case study with examples from Orbit, Kiwi.com's design system



What is a lean approach?

```
It's maximizing value = speed of delivery, effectivity, quality
while minimizing waste = building the right things
```

minimizing waste means doing informed decisions based on data

#research



User interface audits

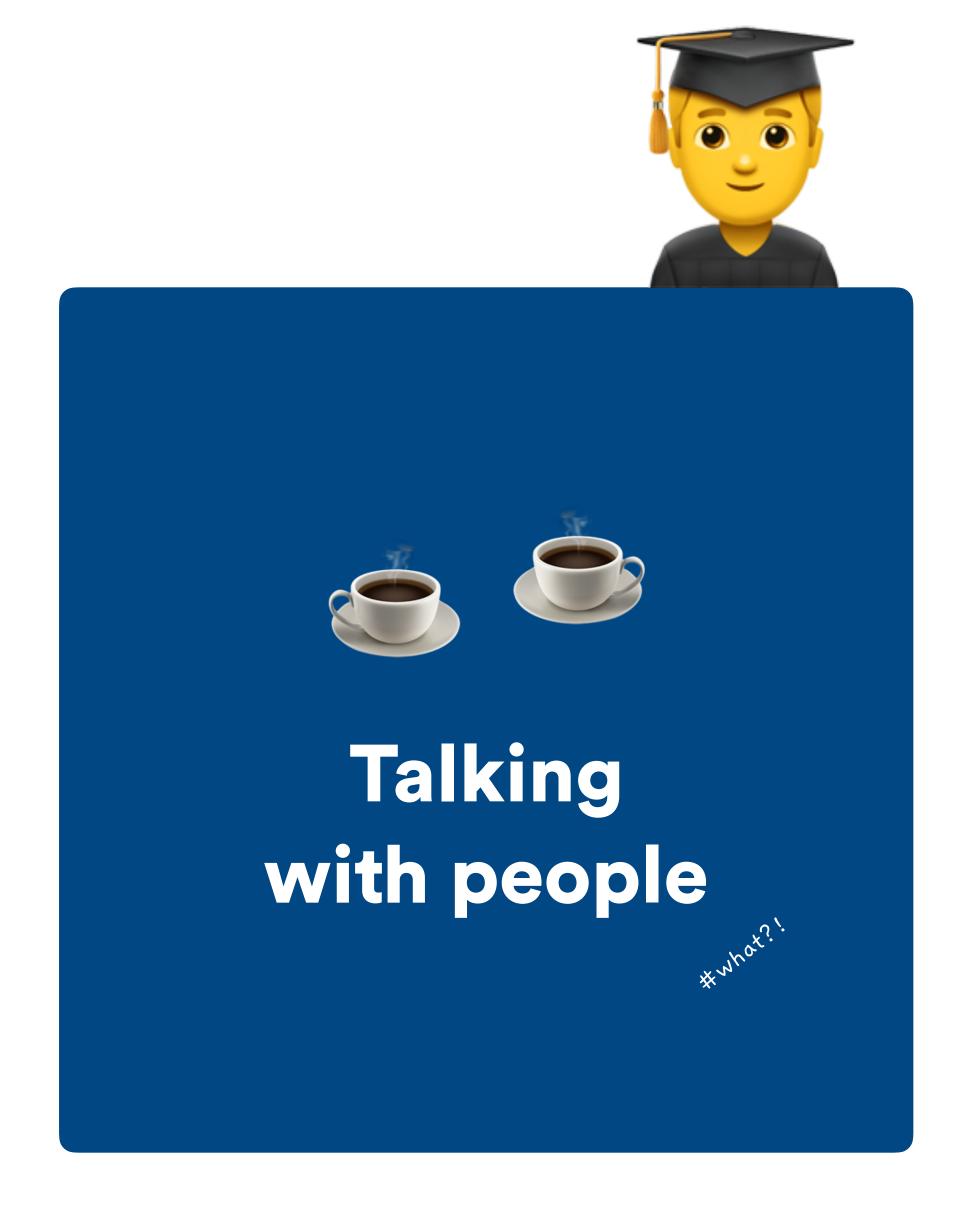
"Peak into other design systems"

Henis to the conjugace.
The medite. The robets.
The troublemakers. The round gegs in the round gegs in the clifferently and found of



Talking with people







Daily routines

- What are the things that take you the most time in your daily job?
- What are the most boring stuff you have to do?



Talking with people





Designers & developers assets handover

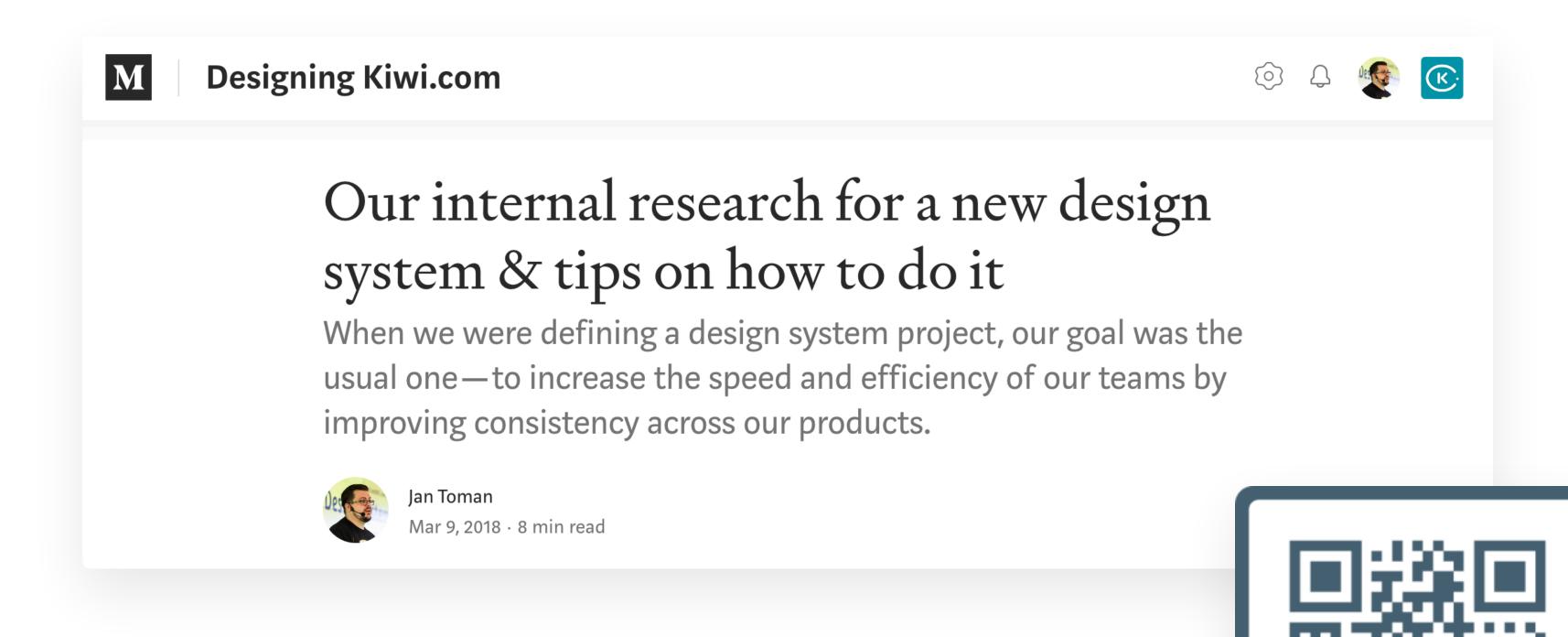
- How do the current design handoffs work?
- How do you handle specifications for designers and developers?



Expectations from design system

- What should our design system have? Why these things?
- · How could it go wrong?

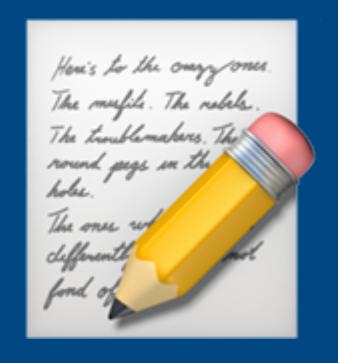




SCAN ME



Top insights from our research





Fear for creativity

Fear that the design system will limit them and will lead to worse UX

A looot of tools

Our design files were everywhere and nowhere.



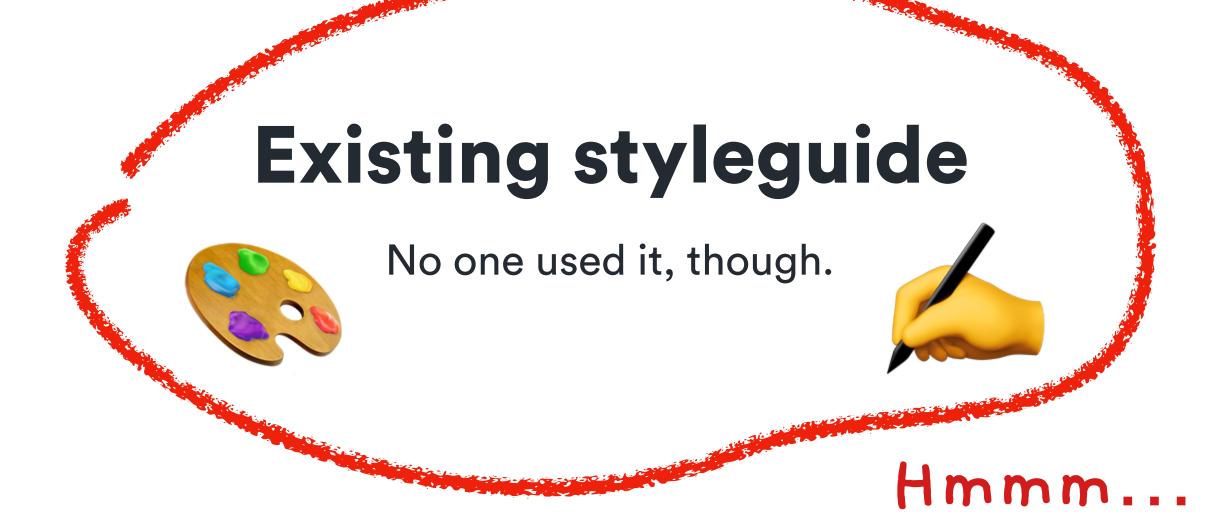




Support from devs

They just hate coding something repeatedly.







Existing styleguide

No one used it, though.

Yes, but these component aren't flexible enough for what I need.

Oh, we have some buttons already?





Yes, but it's never up to date.





I don't know where to find our icons. It's faster to find it in Material.



Listen carefully. Be curious. Even small details matter.



Listen carefully. Be curious. Even small details matter.



That's how you'll find your problems or get ideas about what can be improved.

Design is not implemented in the same way as delivered

It's all changing too fast

"We should have guidelines for writing microcopy."

People don't contribute to other parts of the product

"Our design shouldn't look outdated."

Mobile and desktop behavior is different

People ask the same things over and over again

"Our product should be accessible."

Onboarding of new devs and designers takes too long

"We should match our marketing with the product."

There is a lot of misunderstanding between designers and devs

It's complicated to create new whitelabels

Design is not implemented in the same way as delivered

Synchronize components between design tools and code

People don't contribute

Make easy to contribute to other projects

People ask the same things

Prepare documentation for designers and developers

"We should match our

Match our marketing campaigns with product visual

It's all changing too fast

Prepare our products for rapid change of design

Our design shouldn't

Improve visual design

"Our product should

Improve accessibility

There is a lot of misunderstanding between designers and devs

Improve communication between designers and devs

"We should have guidelines

Improve consistency of our microcopy

Mobile and desktop behavior

Synchronize design and behavior across mobile and desktop

Onboarding of new devs and designers takes too long

Make onboarding easier

It's complicated to create new whitelabels

Prepare guidelines for our whitelabels & partners

This is your high-level roadmap

Synchronize components between design tools and code

Prepare our products for rapid change of design

Improve consistency of our microcopy

Make easy to contribute to other projects

Improve visual design

Synchronize design and behavior across mobile and desktop

Prepare documentation for designers and developers

Improve accessibility

Make onboarding easier

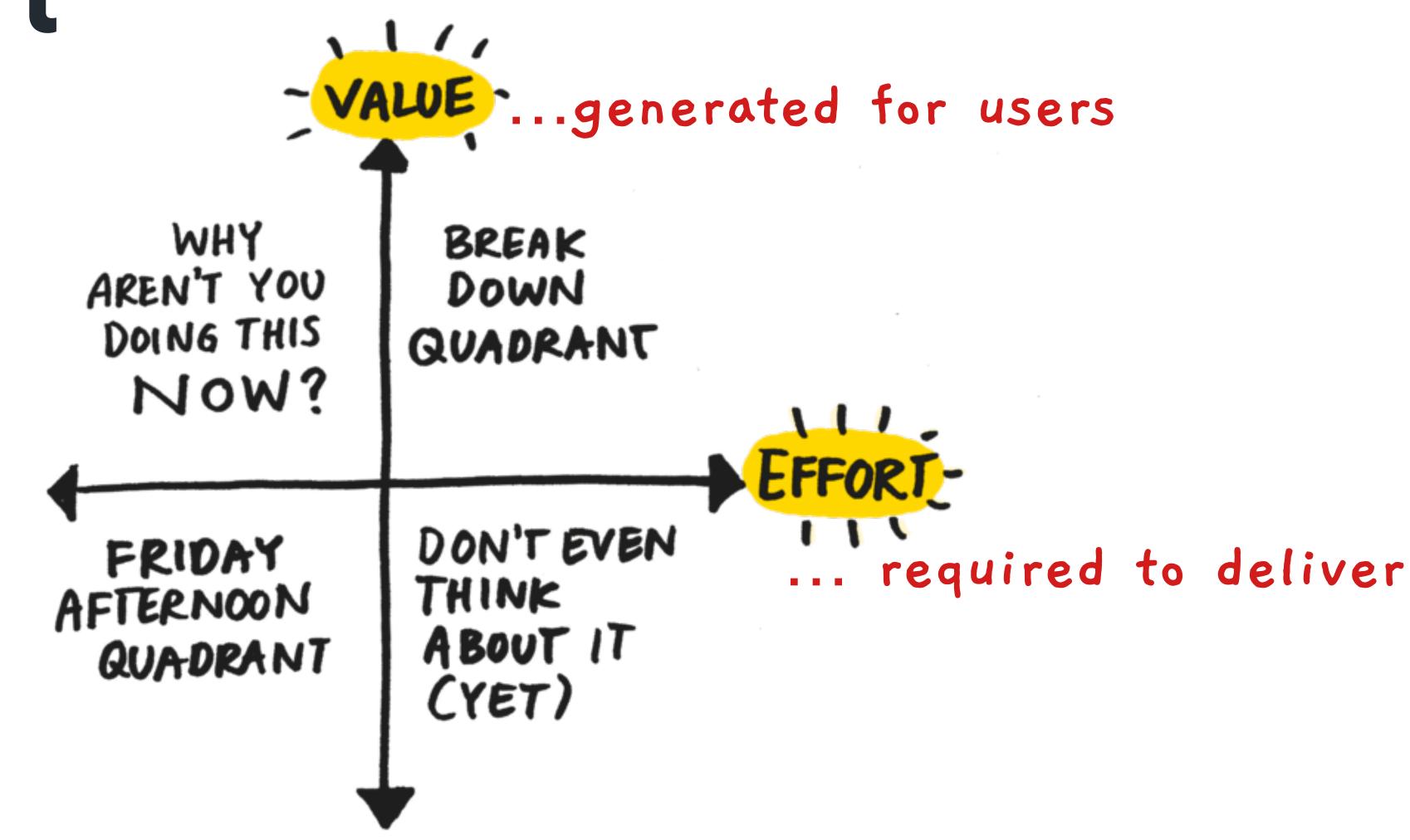
Match our marketing campaigns with product visual

Improve communication between designers and devs

Prepare guidelines for our whitelabels & partners

Where to start, though?

Value/Effort Matrix



Make onboarding easier

Prepare guidelines for our whitelabels & partners

Make easy to contribute to other projects

Improve accessibility

Improve consistency of our microcopy

Improve communication between designers and devs

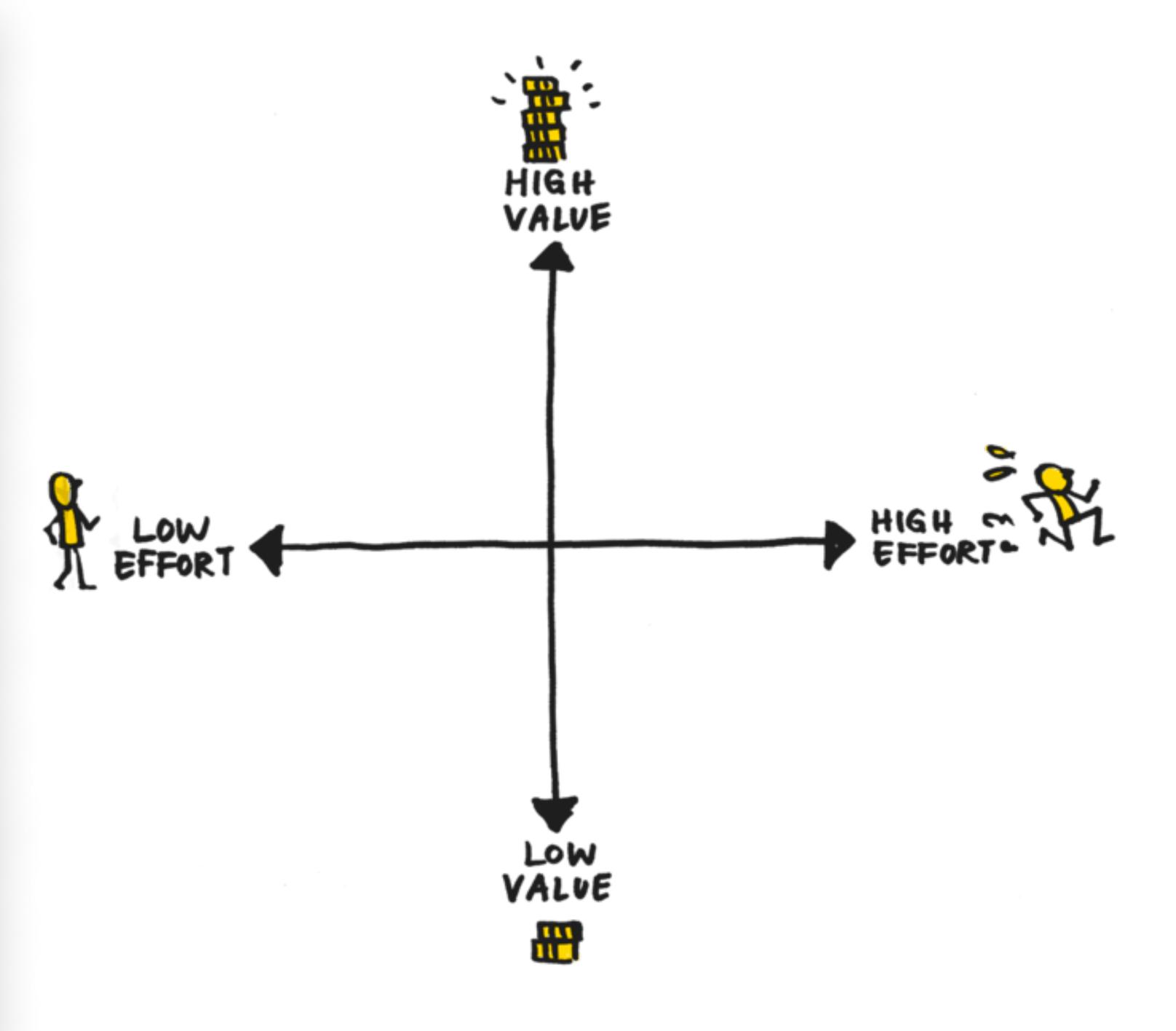
Prepare our products for rapid change of design

Prepare documentation for designers and developers

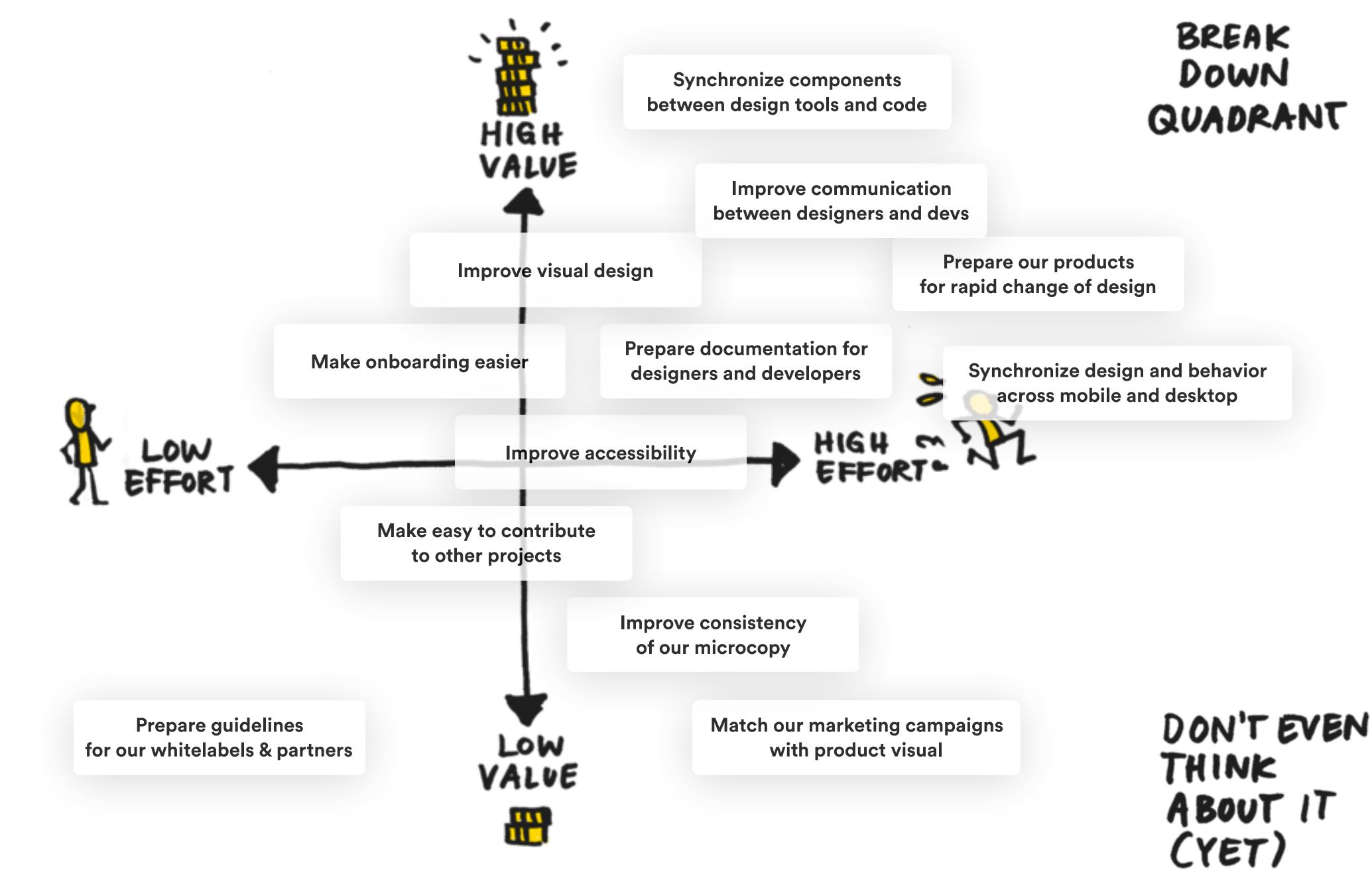
Synchronize components between design tools and code

Synchronize design and behavior across mobile and

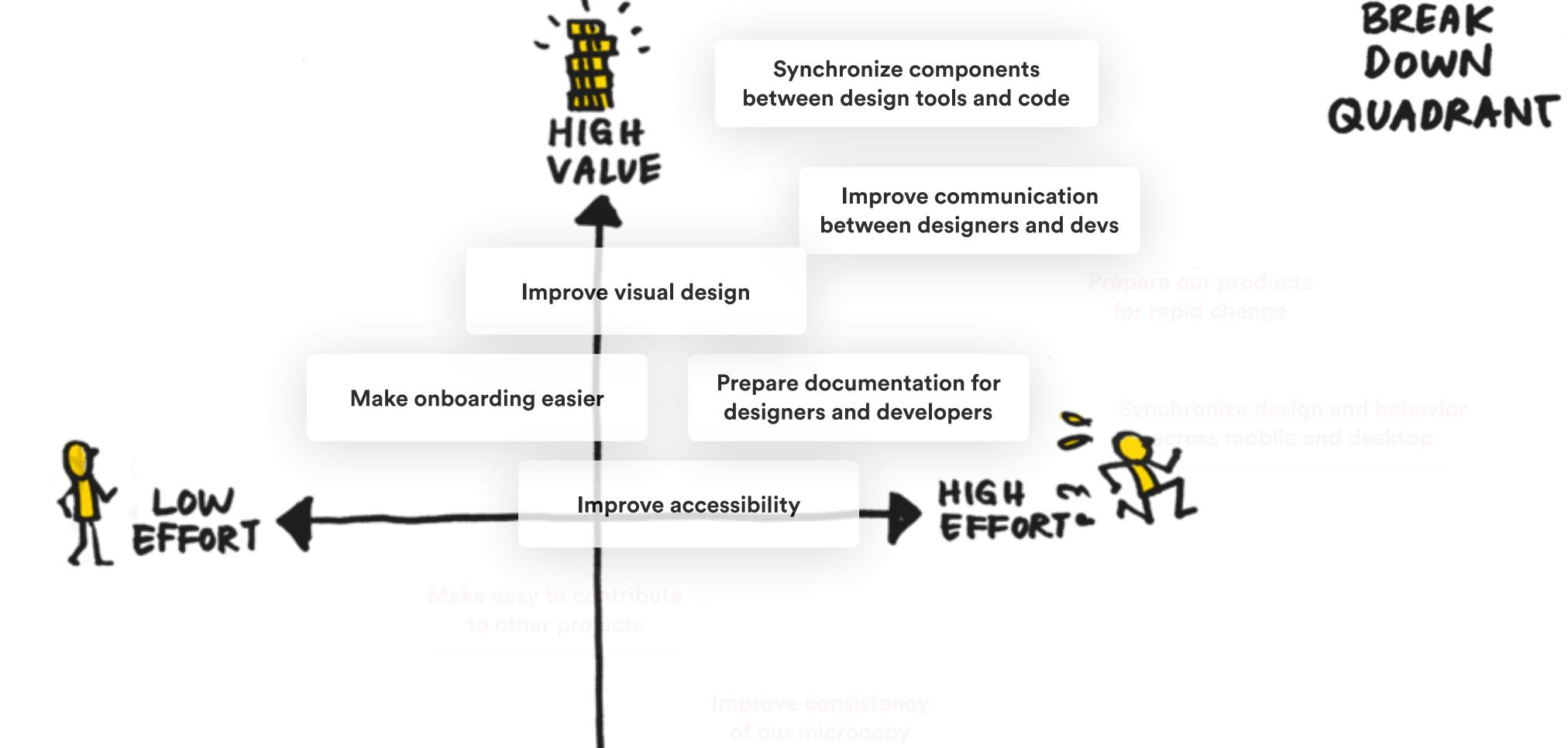
Match our marketing campaigns with product visual



WHY
AREN'T YOU
DOING THIS
NOW?



FRIDAY AFTERNOON QUADRANT WHY
AREN'T YOU
DOING THIS
NOW?



FRIDAY AFTERNOON QUADRANT es LOW with product visual VALUE

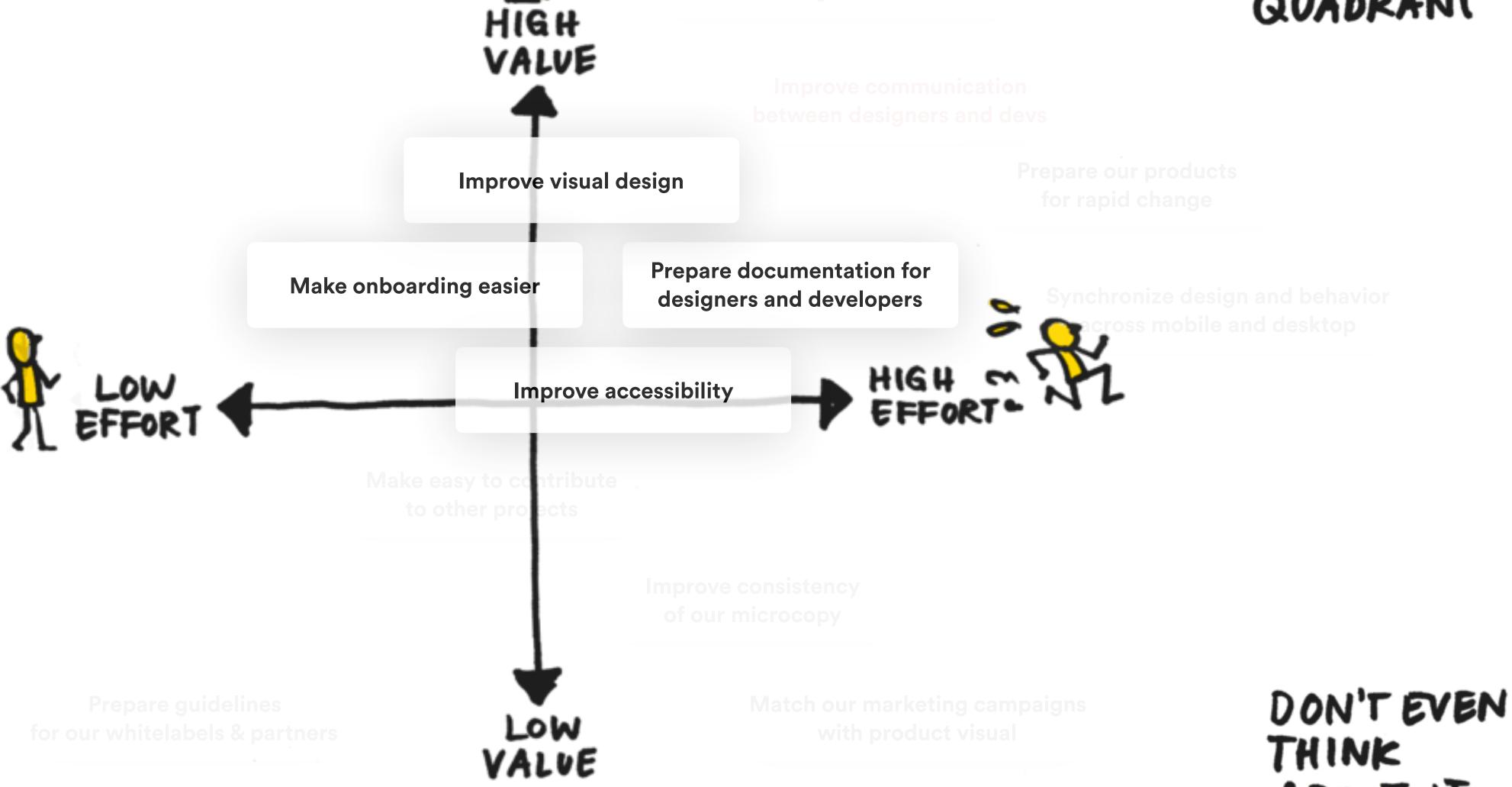
8

DON'T EVEN
THINK
ABOUT IT
(YET)

WHY
AREN'T YOU
DOING THIS
NOW?



BREAK DOWN QUADRANT

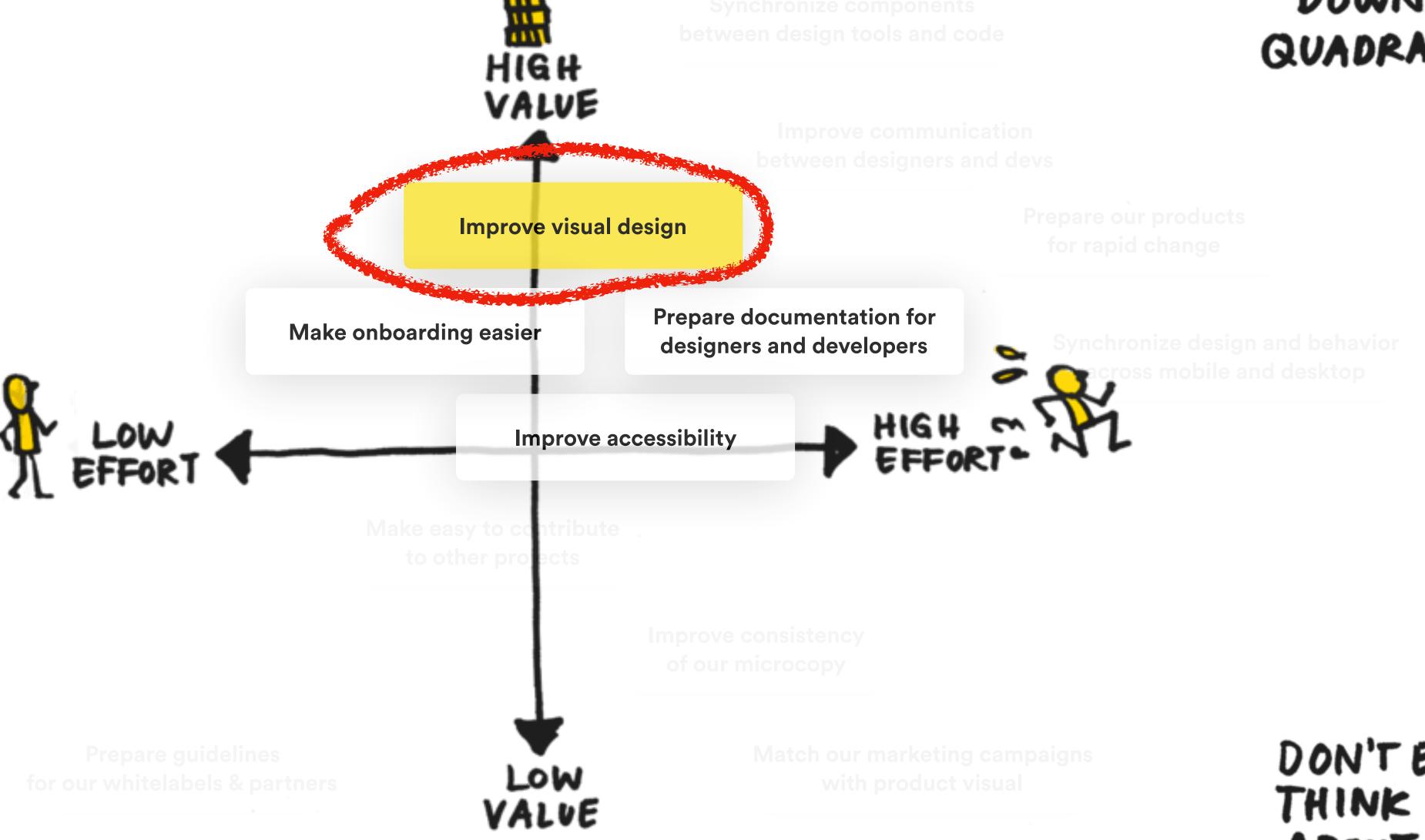


...

FRIDAY AFTERNOON QUADRANT THINK
ABOUT IT
(YET)

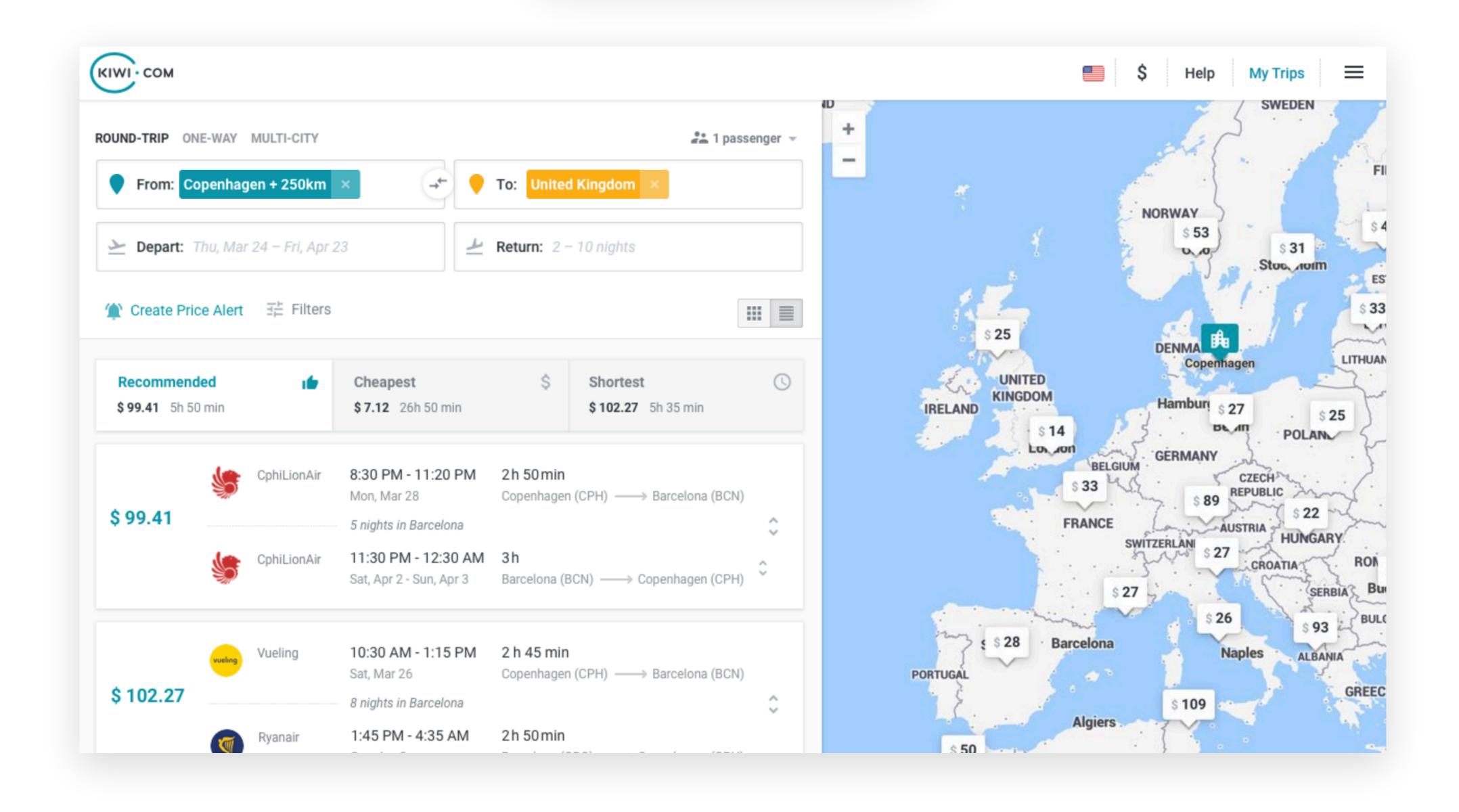
WHY AREN'T YOU DOING THIS NoW?





8

FRIDAY AFTERNOON QUADRANT DON'T EVEN ABOUT IT CYET)



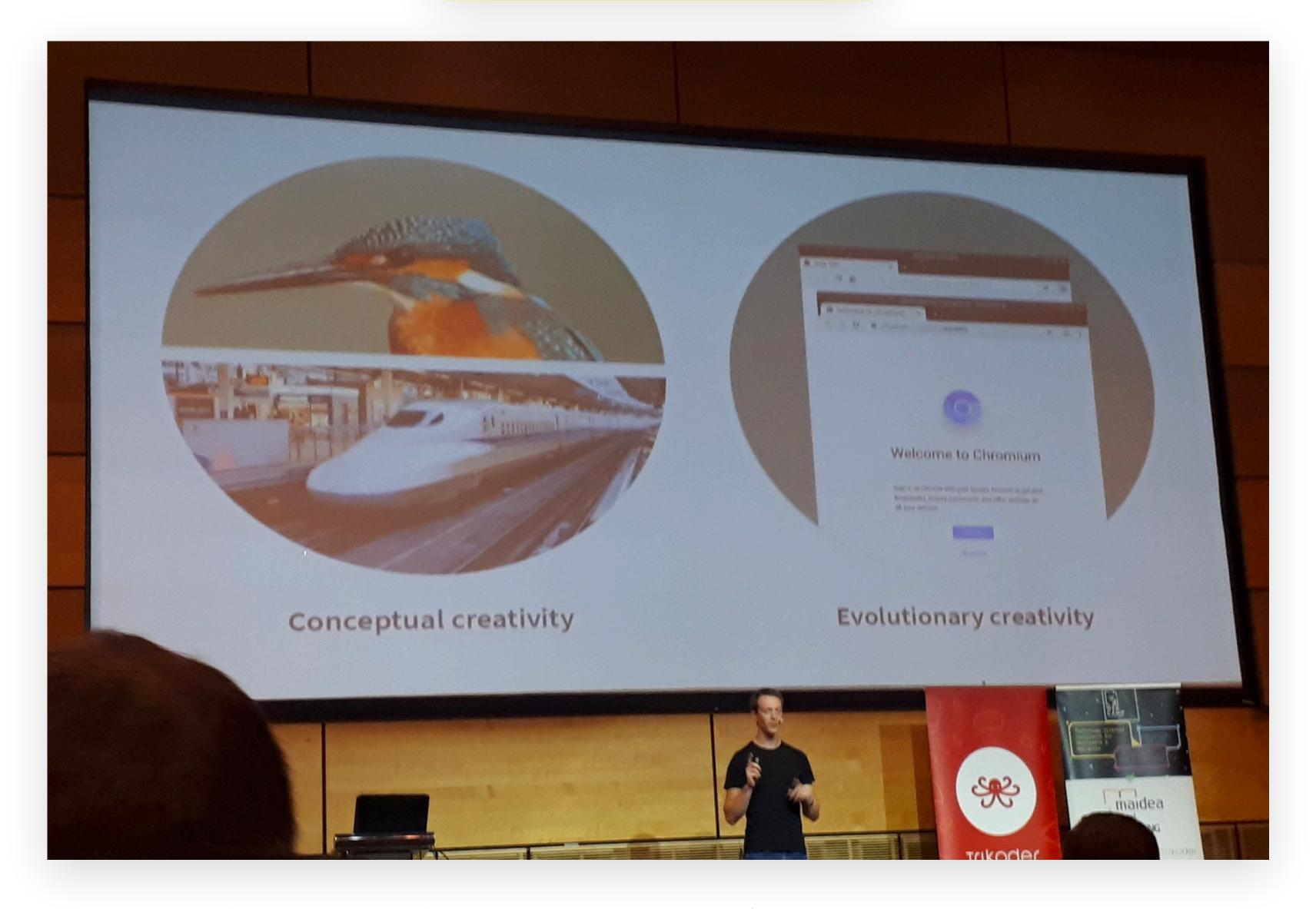
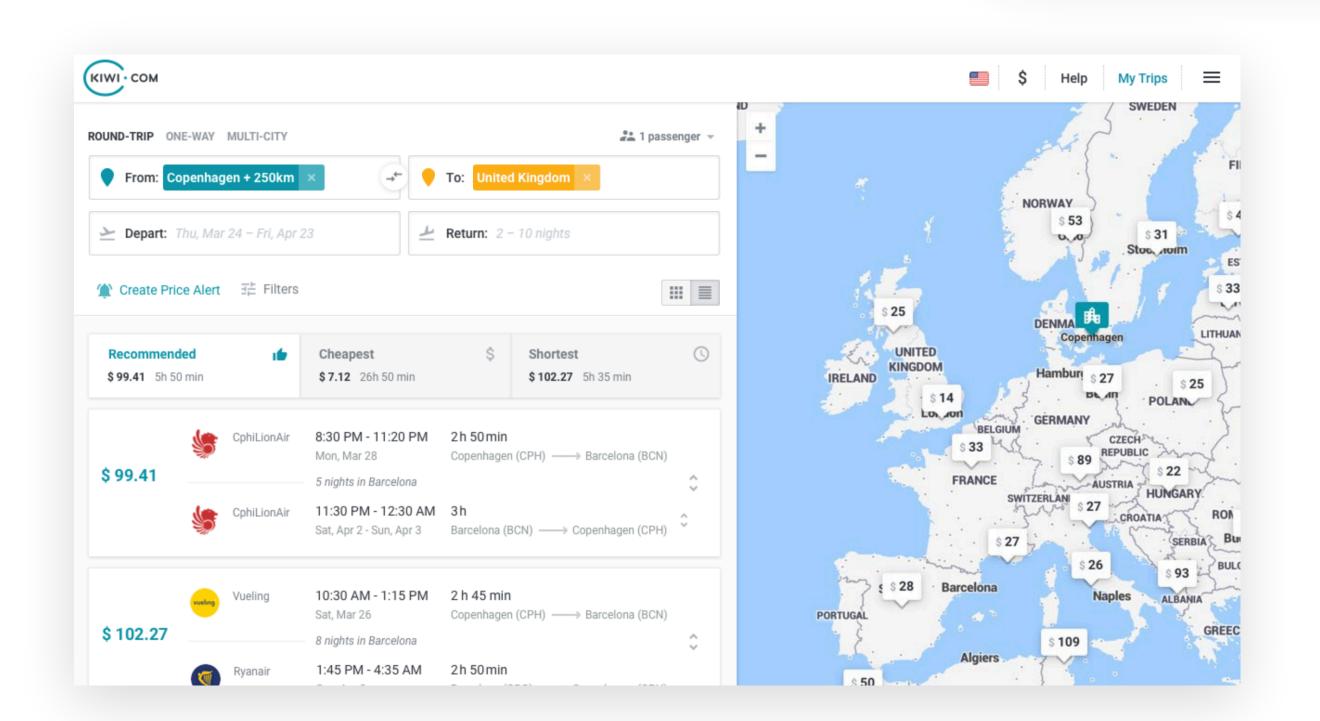
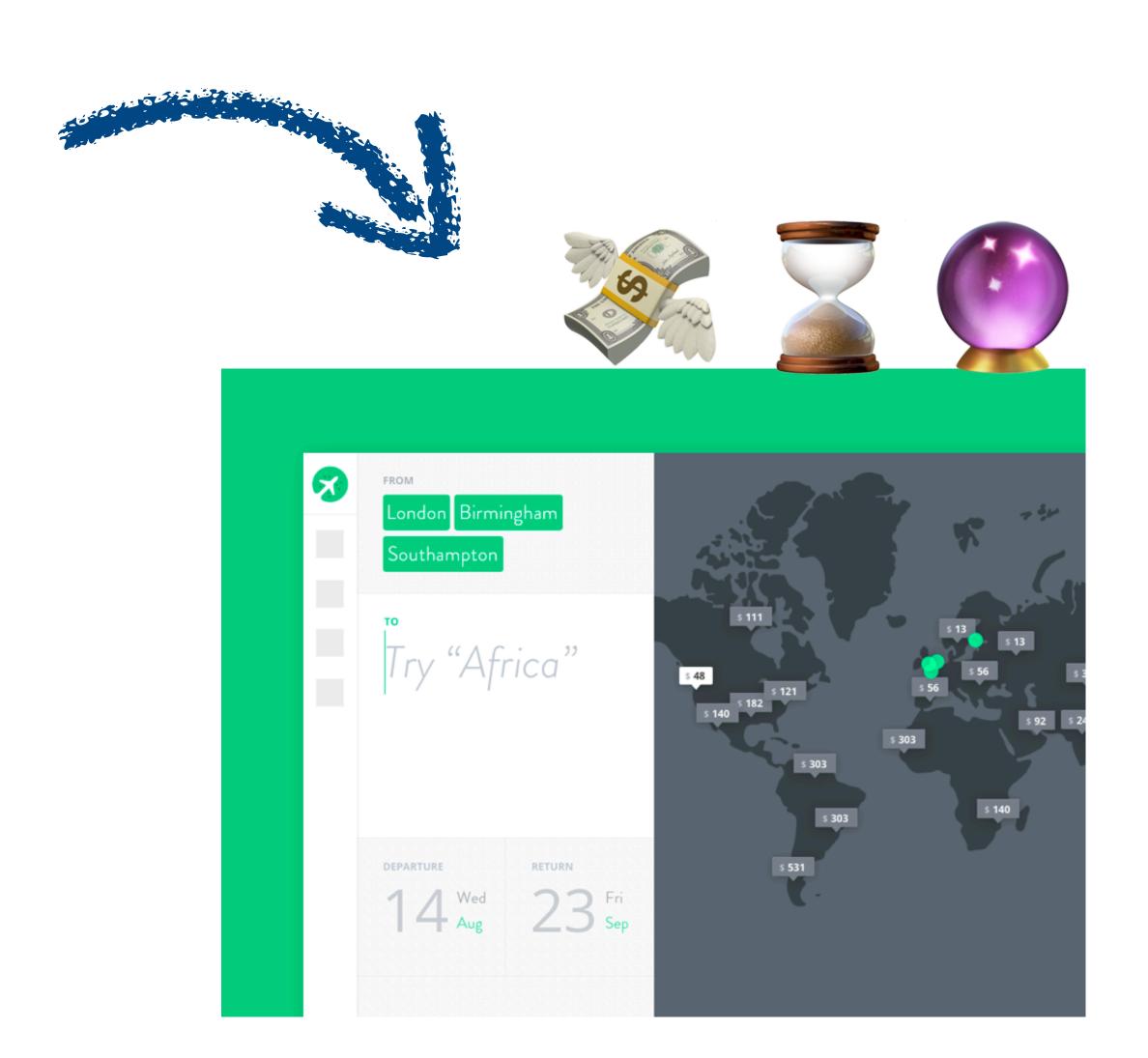
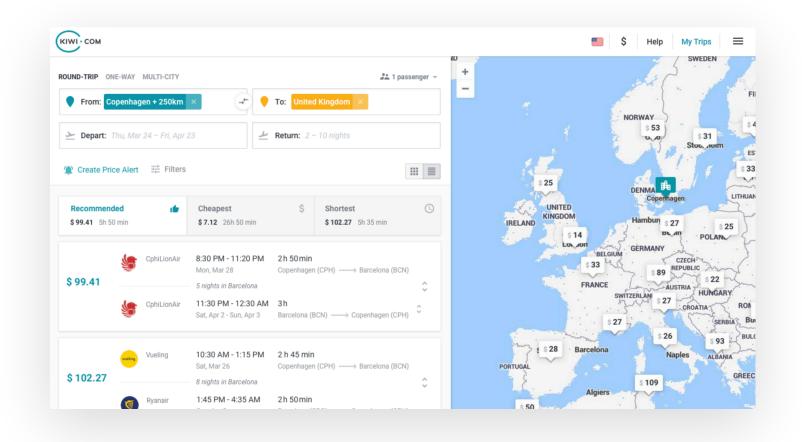
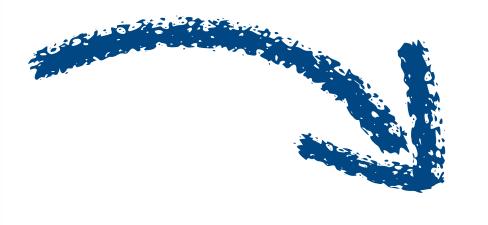


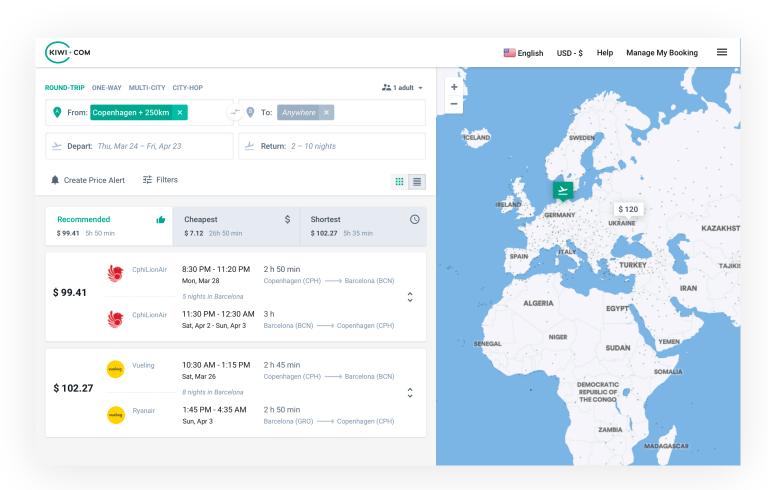
Photo credit: https://twitter.com/SlavenSmojver/status/1182582695634853888





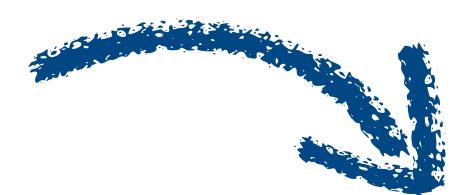


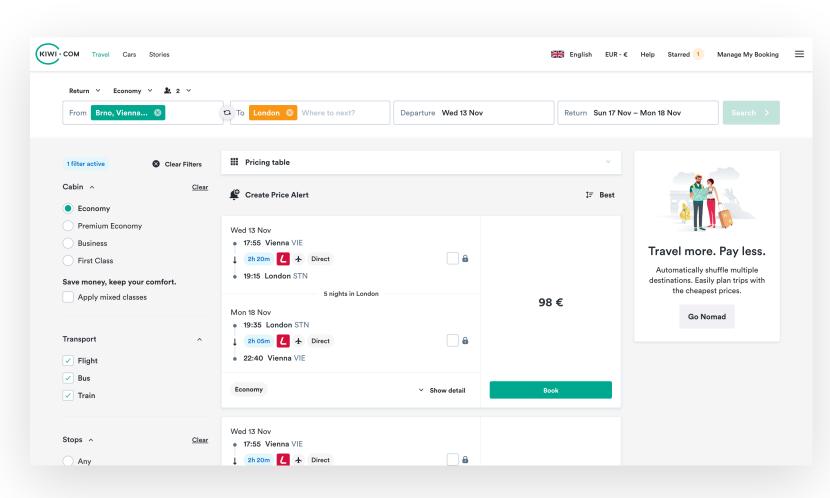




That's **How To Build** Minimum Viable Products







Important decision

"Let's just polish what we already have."



Define clear styleguide (colors, typography)

Which colors do we need?

How many color accents?
...

Define basic icon set

How many icons do we need?

Which icon style is used in our product?

Create common components

Which components are needed the most?

Do designers needs different variations?

Tip: Never guess.

Audit colors and typography

Define clear styleguide (colors, typography)

Audit icons

Define basic icon set

Audit components & prioritize them by their value

Create common components



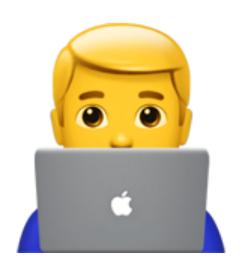
Phase 1: Research

Collecting useful data.

Audit colors and typography

Audit icons

Audit components & prioritize them by their value



Phase 2: Design

Doing informed decisions.

Define clear styleguide (colors, typography)

Define basic icon set

Create common components



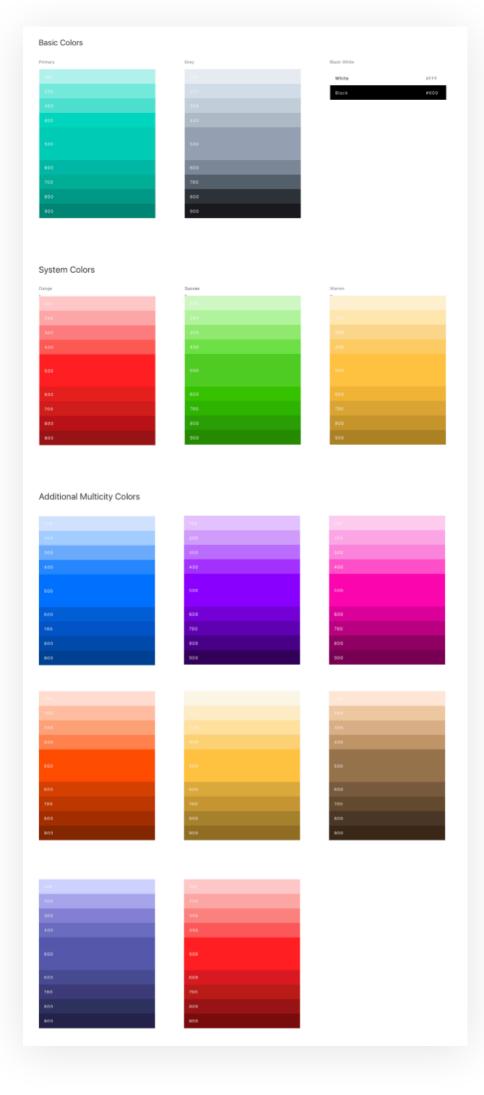
Phase 1: Research
Collecting useful data.

Audit colors and typography

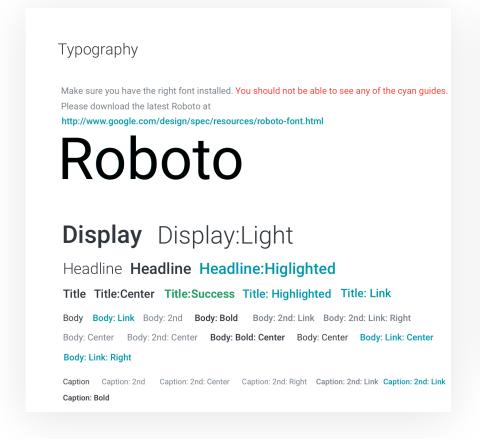
Audit icons

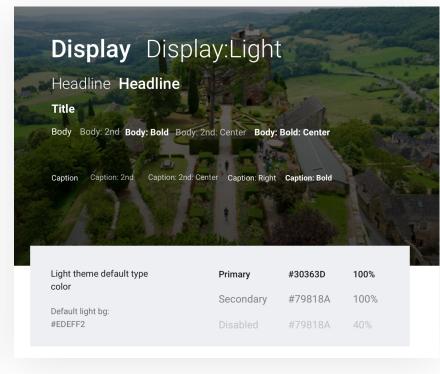
Audit components & prioritize them by their value

Existing color palettes

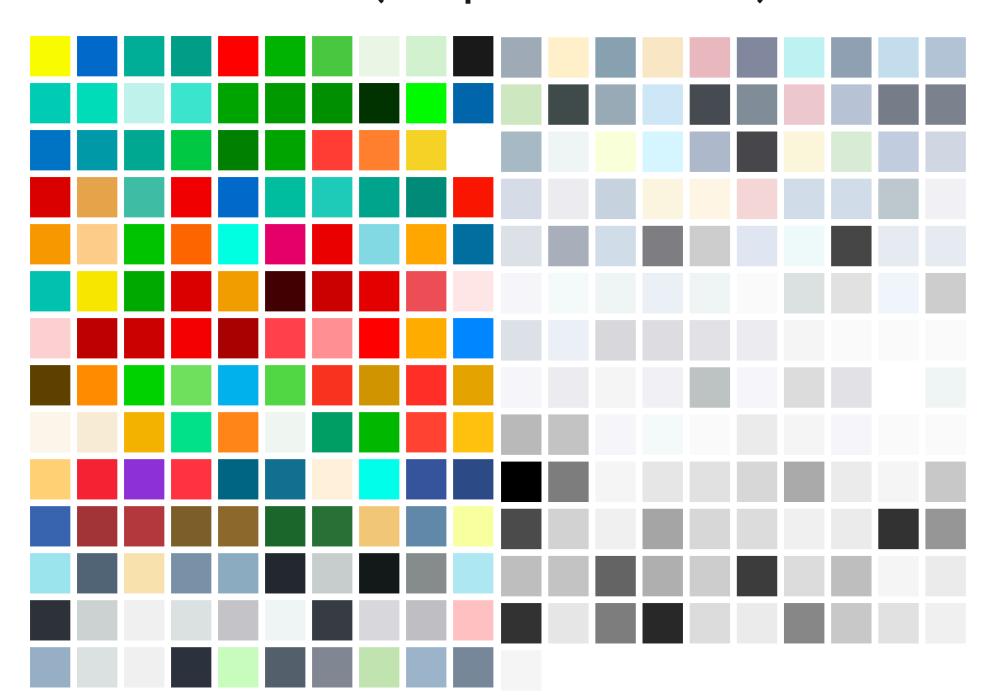


Existing typography styles

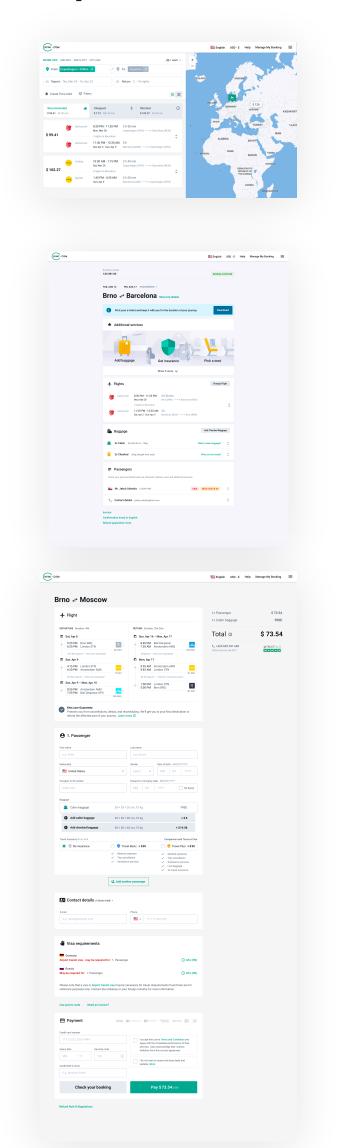




Colors defined in CSS (from production website)



Styles from main flow





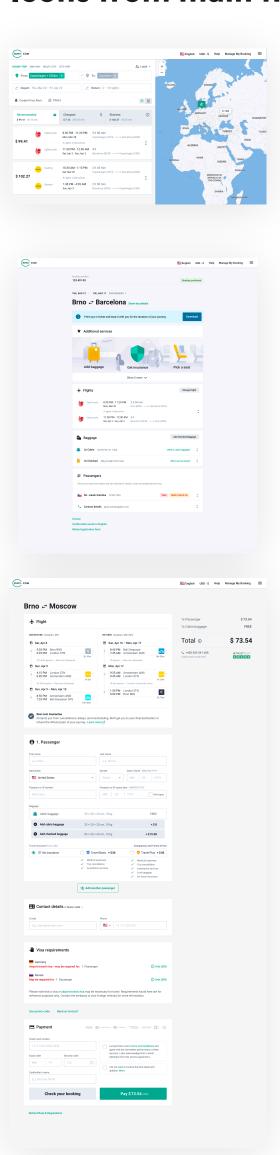
Phase 1: Research
Collecting useful data.

Audit colors and typography

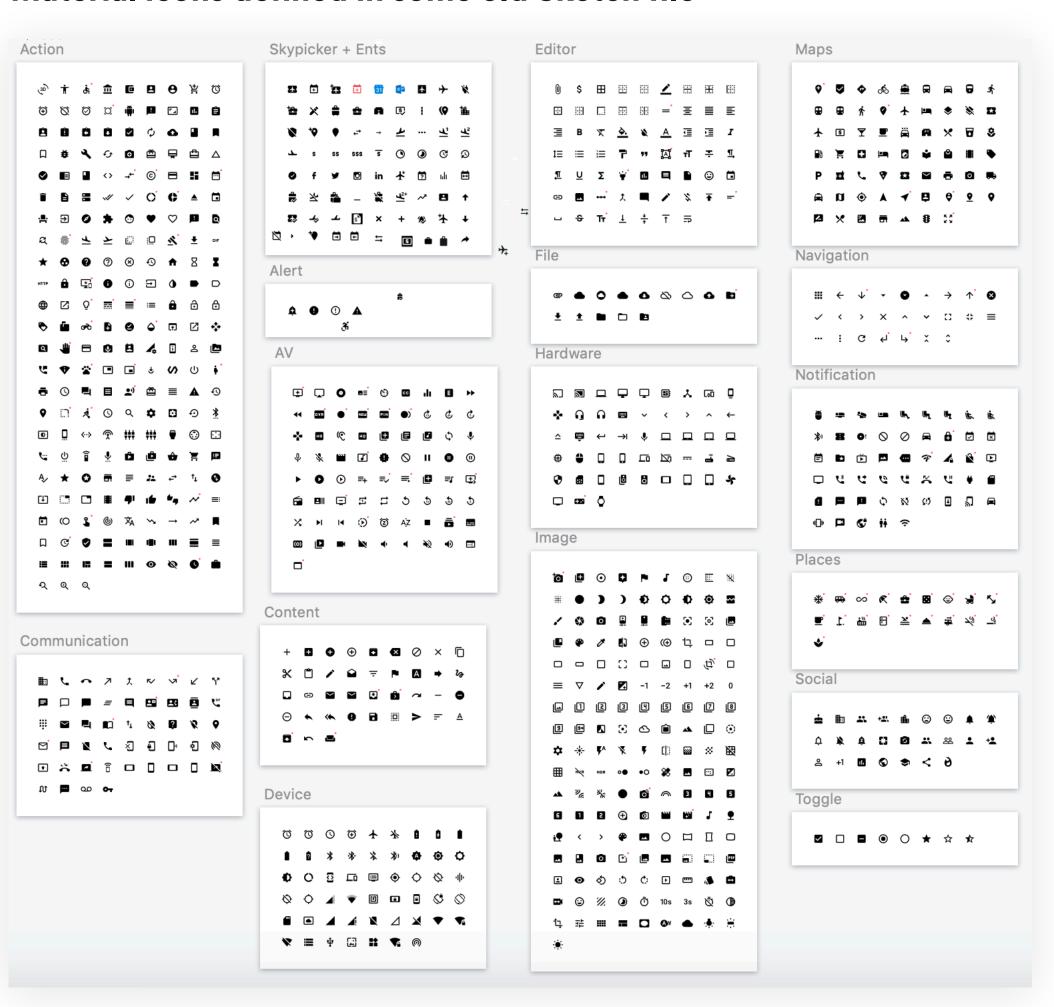
Audit icons

Audit components & prioritize them by their value

Icons from main flow



Material icons defined in some old Sketch file





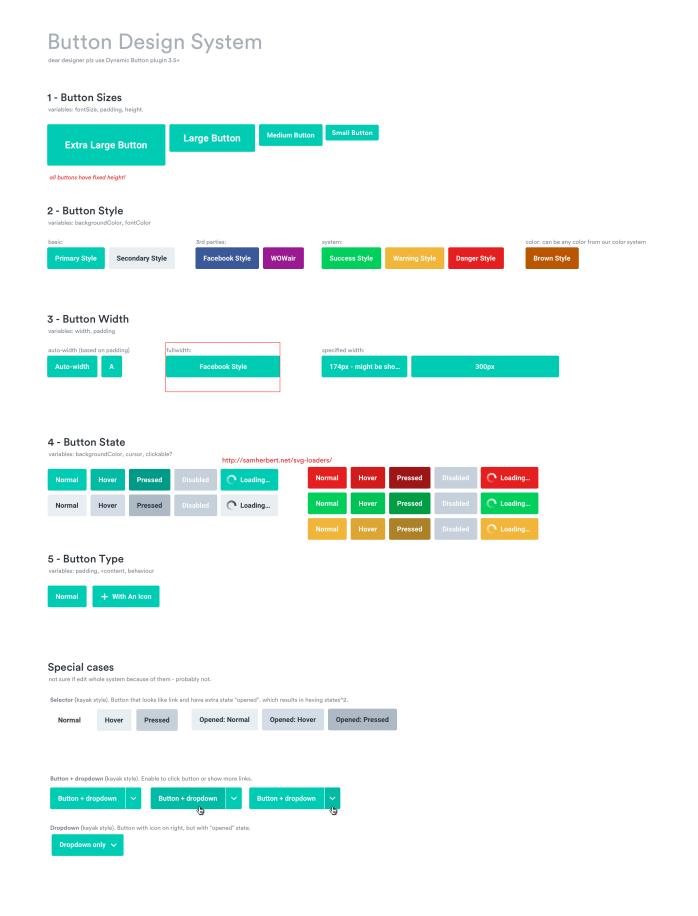
Phase 1: Research
Collecting useful data.

Audit colors and typography

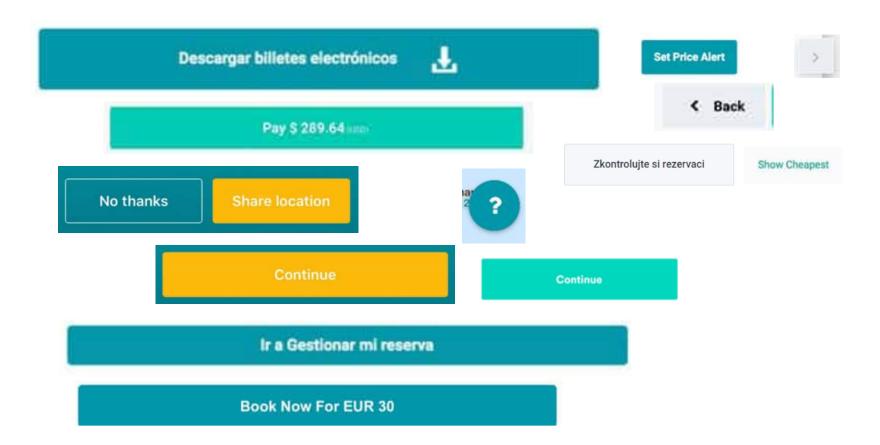
Audit icons

Audit components & prioritize them by their value

Existing button set in Sketch



Buttons from production website



Buttons from mobile applications





Phase 1: Research

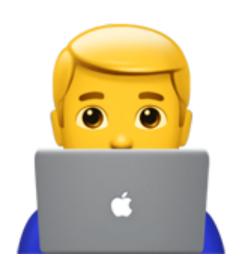
Collecting useful data.

Audit colors and typography

50.15

Audit icons

Audit components
& prioritize them by their value



Phase 2: Design

Doing informed decisions.

Define clear styleguide (colors, typography)

Define basic icon set

Create common components



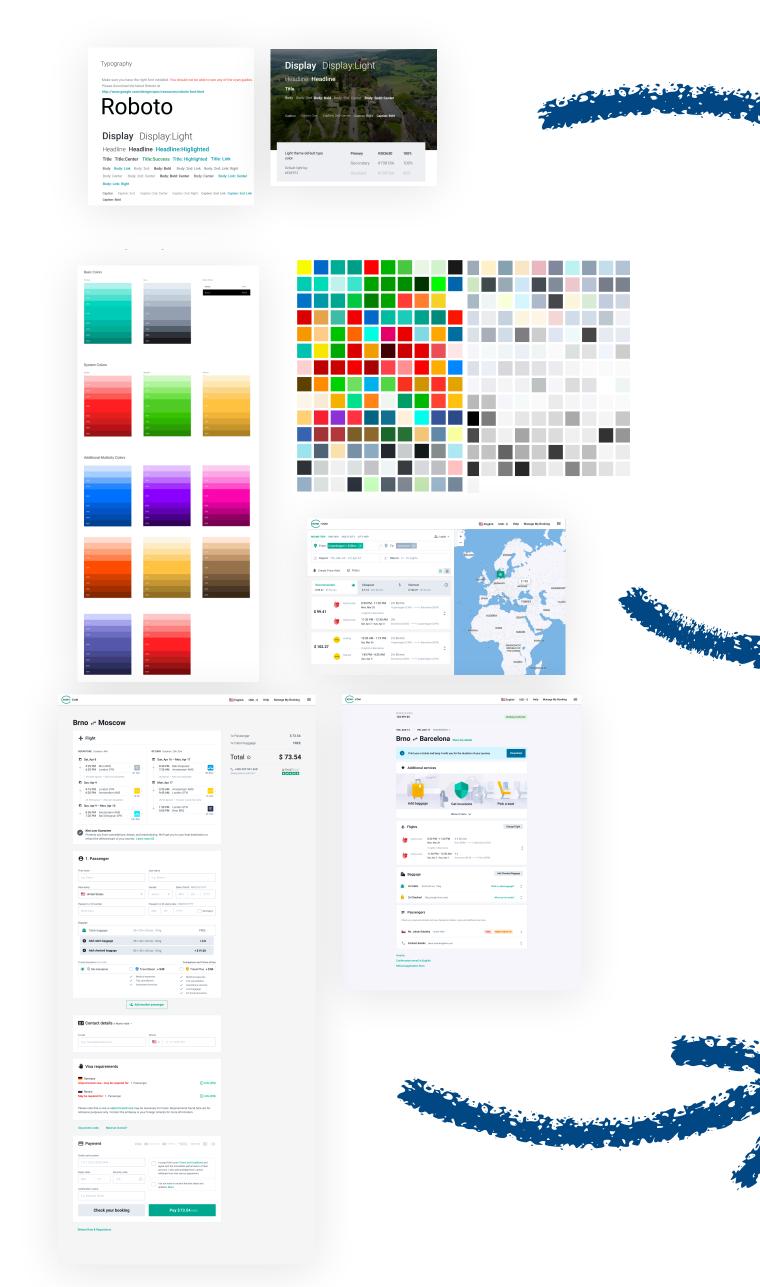
Phase 2: Design

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Define clear styleguide (colors, typography)

Define basic icon set

Create common components



Text 36px bold for main headers

Text 32 px for price summary in price box in bold

Text 28px bold for main modal headers

Text 20px bold for secondary headers

Text 18px bold for other secondary headers

Text 14px as primary style for text
in medium weight
in bold weight

Text 12px as secondary style for text
in medium weight
in bold weight
IN BOLD WITH UPPERCASE
in italic style

Text 11px as addition style for text
in medium weight
in bold weight
in bold weight

Main color palette (without some shades)

Cloud Teal Green Red Cloud Light #171b1e Teal Light #9CDAD3 Green Light #e7f3e8 Red Light #fae8e8 Cloud #e8edf1 Teal #00a991 Green Dark #065d12 Red Dark #650808 Ink Lighter #bac7d5 Blue Orange Ink Light #7f91a8 Blue Light #E0F6FF Orange Light #fef1cd Ink #46515e Blue #10709f Orange #f9971e



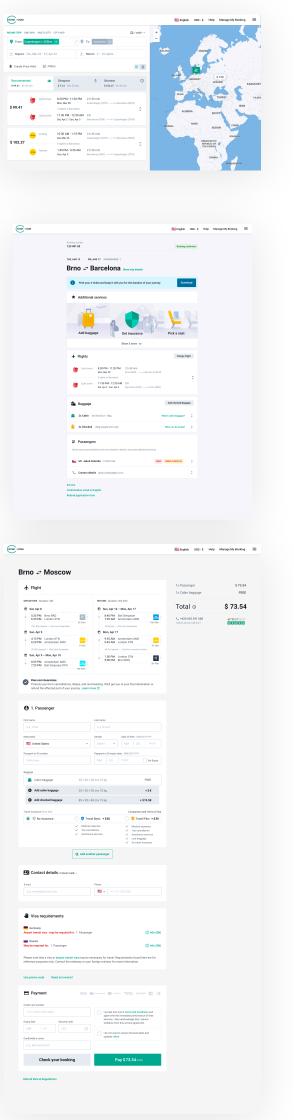
Phase 2: Design Doing informed decisions.

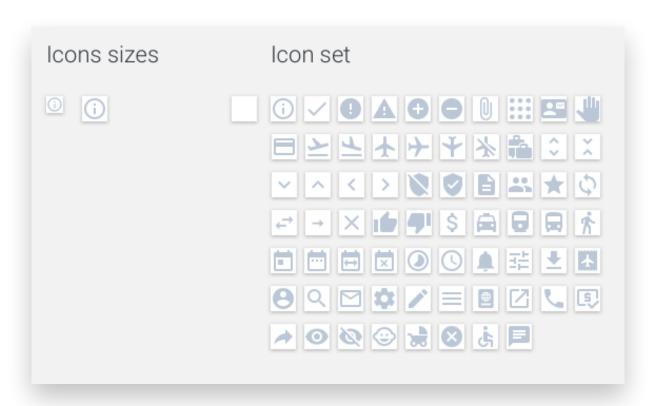
Define clear styleguide (colors, typography)

Define basic icon set

Create common components

Icons from main flow







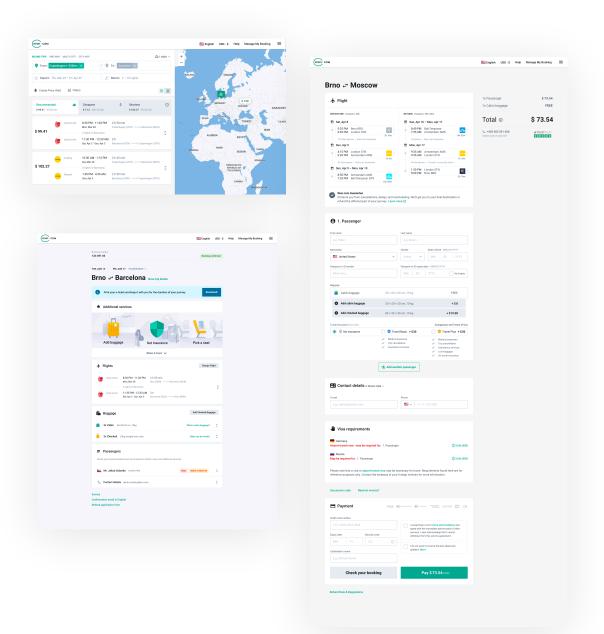
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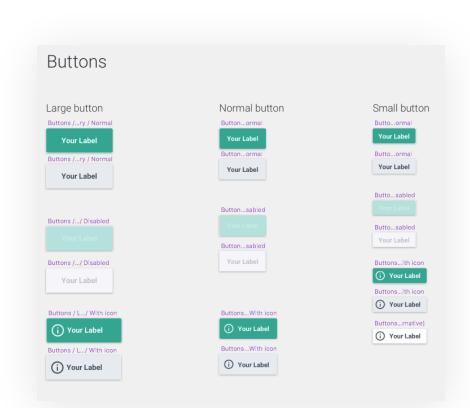
Create common components

Buttons from main flow



Buttons from mobile applications







Phase 1: Research

Collecting useful data.

Phase 2: Design

Doing informed decisions.

Done?

Audit colors and typography



Audit icons



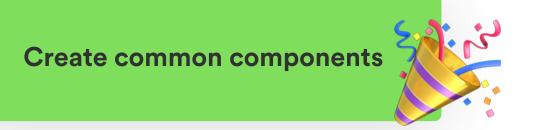
Audit components & prioritize them by their value



Define clear styleguide (colors, typography)



Define basic icon set





Phase 1: Research

Collecting useful data.

Audit colors and typography



Audit icons



Audit components & prioritize them by their value





Phase 2: Design

Doing informed decisions.

Define clear styleguide (colors, typography)



Define basic icon set

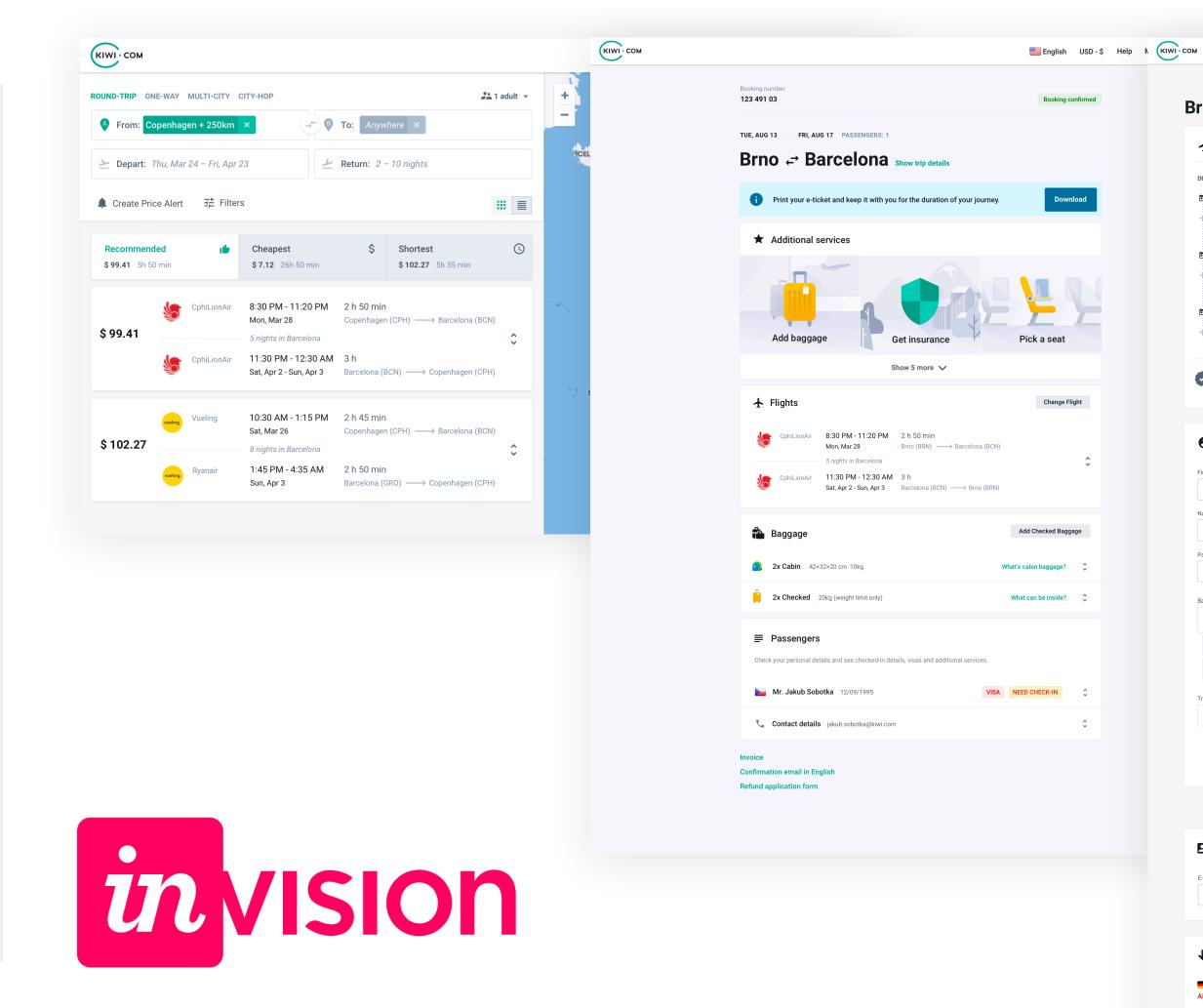


Create common components



Phase 3: Validate

by expert review

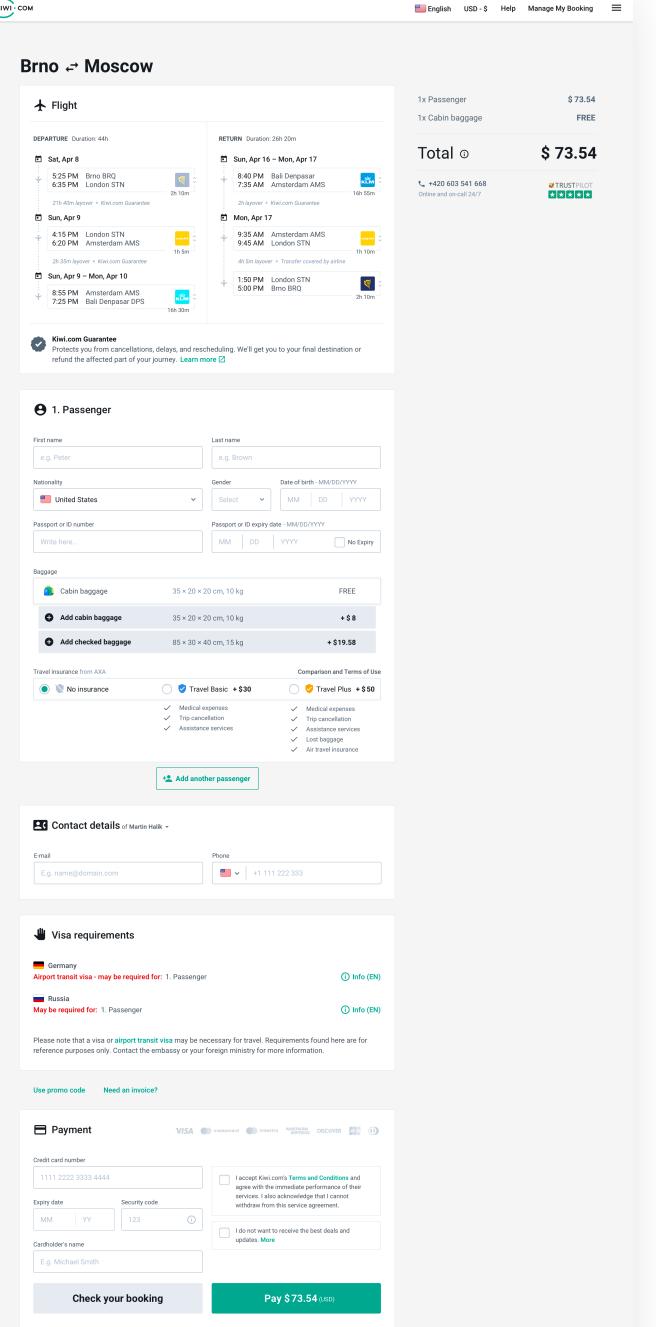




Phase 3: Validate
by expert review

"You decide if it's enough."

If not? Iterate, improve, let them check again.





Phase 1: Research

Collecting useful data.

Audit colors and typography



Audit icons



Audit components & prioritize them by their value





Phase 2: Design

Doing informed decisions.

Define clear styleguide (colors, typography)



Define basic icon set

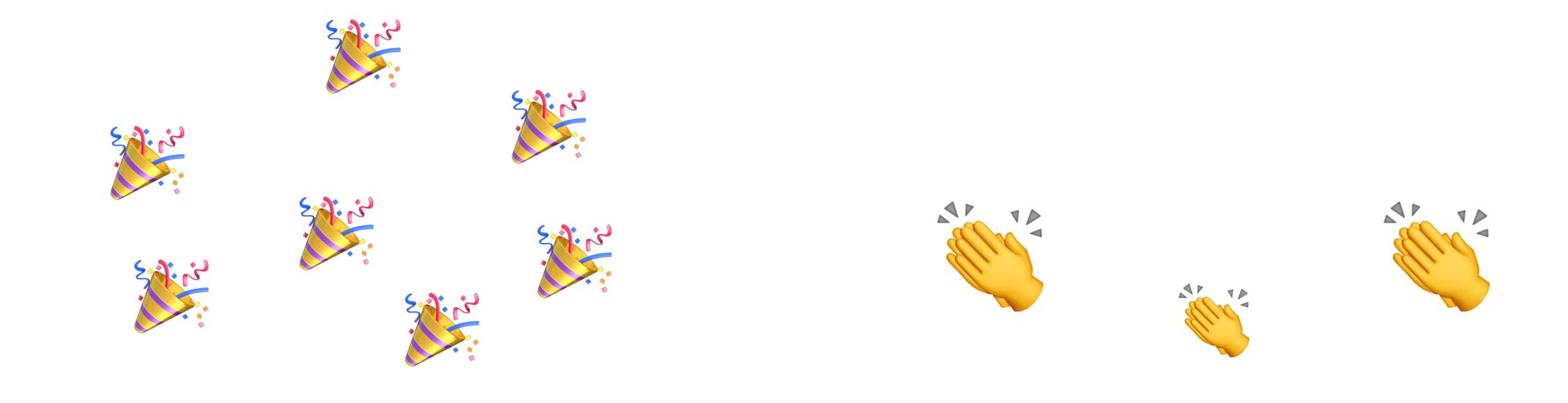






Phase 3: Validate

by expert review



So now it's done!

Is it, though?

I didn't know we have UI kit.

Remember this?

Hint: it's from our research!



Oh, we have some buttons already?





Continuous effort

To raise awareness.

Over-communication is a key to success





Continuous effort

To raise awareness.

orbit-design-system

You created this channel on November 14th, 2017. This is the very beginning of the # orbit-design-system channel. Purpose: Info channel for design system updates and global announcements. (edit)

+ Add an app <u>& Add people to this channel</u>





Continuous effort

To raise awareness.



honza 19:36

@product_designers * Kiwi Kit for Sketch - version 0.1 *

It's a first step and very small but it's a start of something awesome. **Now I need your cooperation** - try to use colors from the palette below and components from the Kiwi Kit and if anything is limiting or not usable, just report it to me. The goal of these first iterations is to re-create most used components from our UI so you can work with them easily in Sketch and focus on more complicated things.

How to install Kiwi Kit?

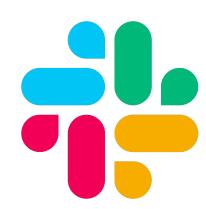
Just work with Abstract, as you are used to. Kiwi Kit was linked to all your projects so it should be accessible in your Sketch right now. Open "Symbol" drop-down, hover over "Kiwi Kit (Master @ ...)" and all mentioned symbols are already there.

Current components in Kit

- 4 types of system messages (error, danger, success, info), w/ and w/o icons, w/ and w/o title
- 3 types of buttons (Large, Normal, Small), w/ and w/o icons + disabled state
- Few form elements (checkboxes, radio buttons)
- Few basic icons (alert, info, ...)

Sketch palette with 16 unified colors:

- Download palette here: https://www.dropbox.com/s/19q0ere8jm6dxcr/kiwi-kit.sketchpalette?dl=0 (if you need help to install it to your Sketch just catch me and I'll help)
- Basic guidelines for colors are here: https://marvelapp.com/79c0g9e/screen/36355252 (it's work in progress, your feedback from using these colors will be priceless)
- These colors should be enough to create anything you need, maybe expect the most complicated components (eg. calendar). If you'll find out that it's not possible, just ping me, we can discuss it and possibly update the palette if needed.
- I am currently testing Design System Manager for sharing palette and text & layer styles.





Continuous effort

To raise awareness.



honza 19:36

@product_designers * Kiwi Kit for Sketch { version 0.1 *

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Continuous effort

To raise awareness.

Next version

- Set of most used icons in our product UI
- Form components (inputs, select boxes, etc.)
- Your suggestions!

Let's try to use Kit and colors from sketch palette Find the limits, report everything you find and we can think how to solve it (edited)



A lot of small changes.

As much as you can.



honza 14:42

@product_designers * Kiwi Kit for Sketch - version 0.1.1 *

- FIXED color for text in secondary buttons
- FIXED artboard height for small buttons
- ADDED normal buttons with icon
- ADDED normal buttons in disabled state

Thanks @henne for reporting!



It should update in your Sketches automagically. 🧉





Giving people control.

Always.

What should be next? Vote below the post!

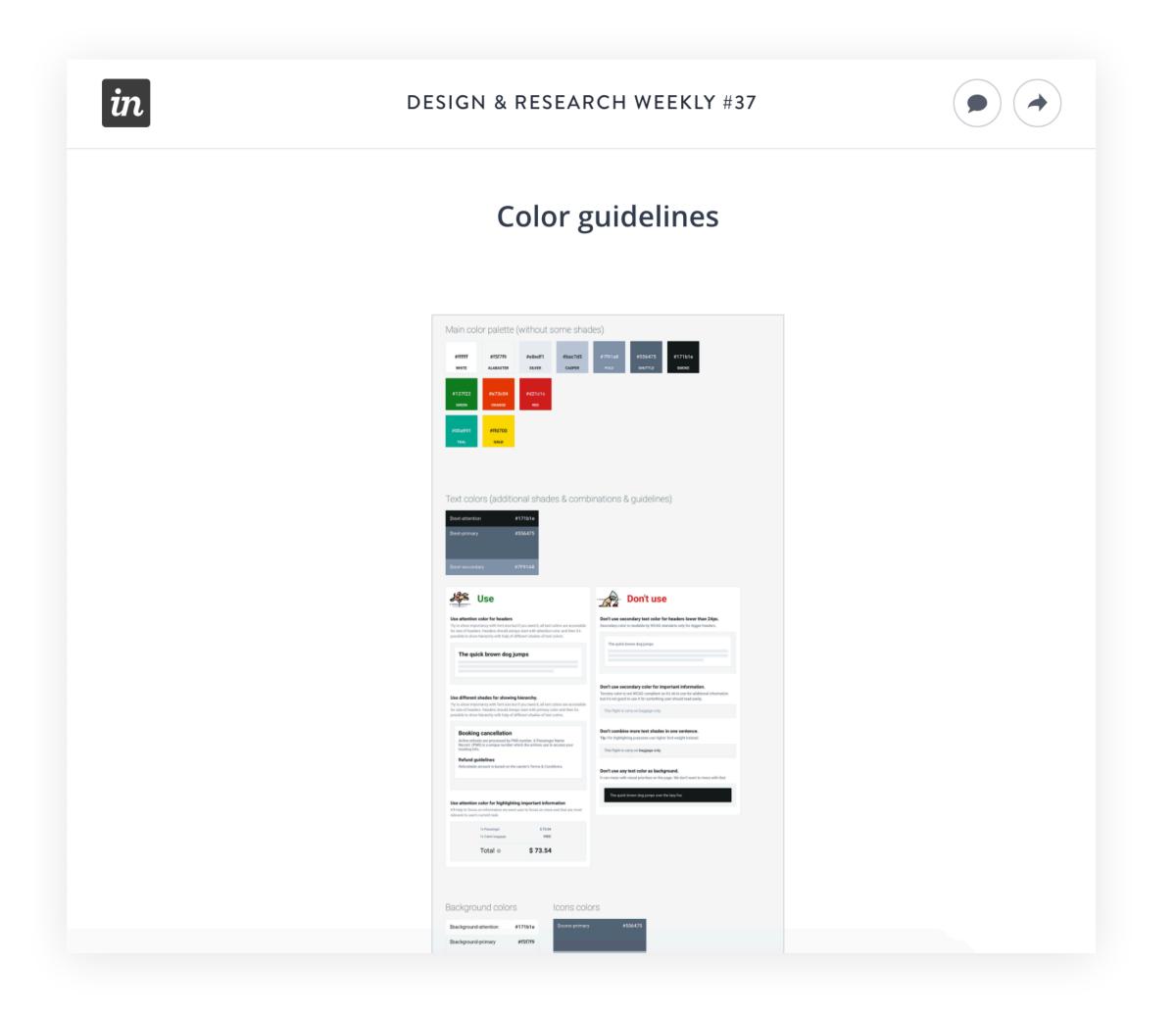
- Form inputs
- Modal wrapper
- Cards (edited)
- 19
- 21





Silent weekly updates

To management, PMs, devs...





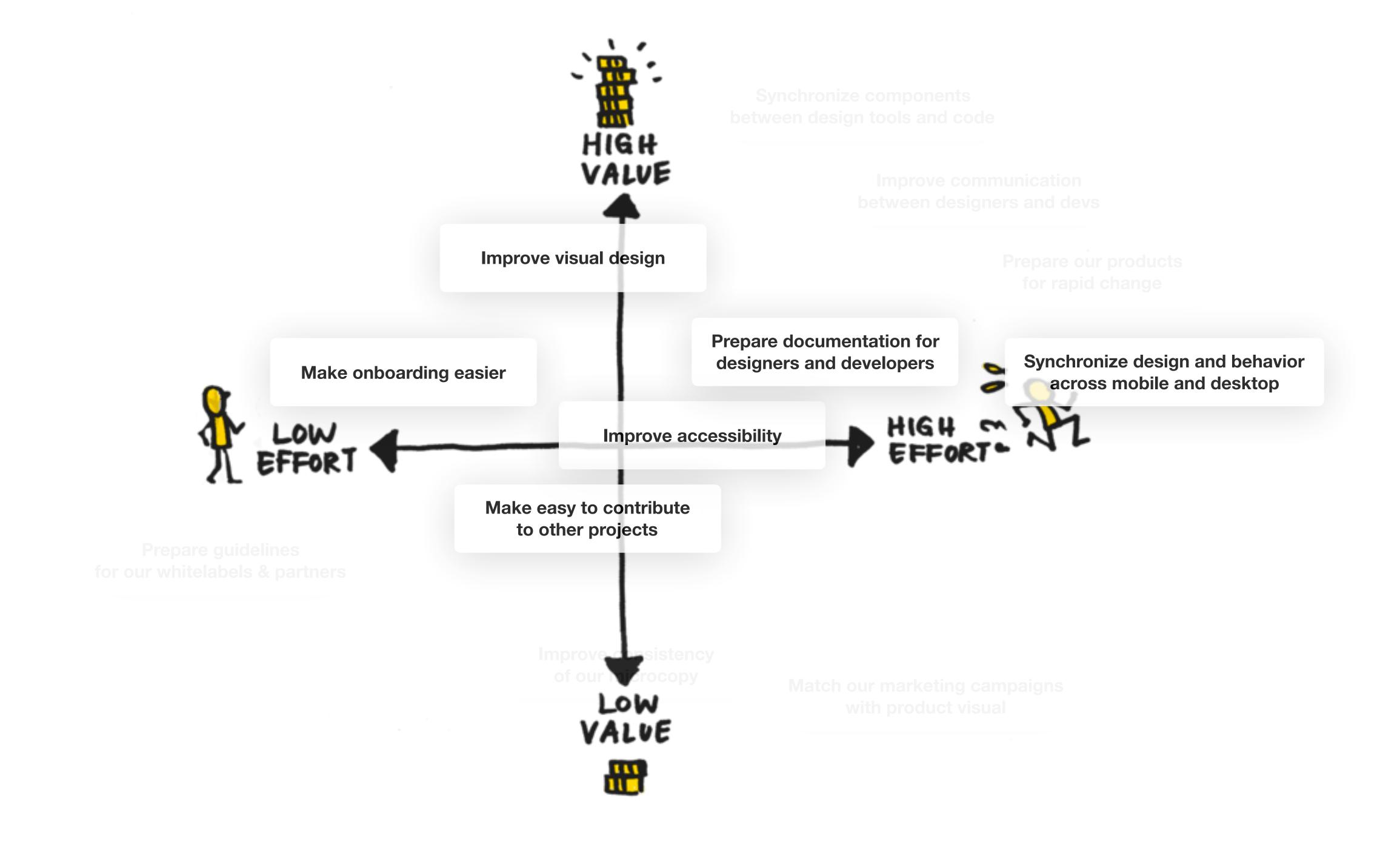


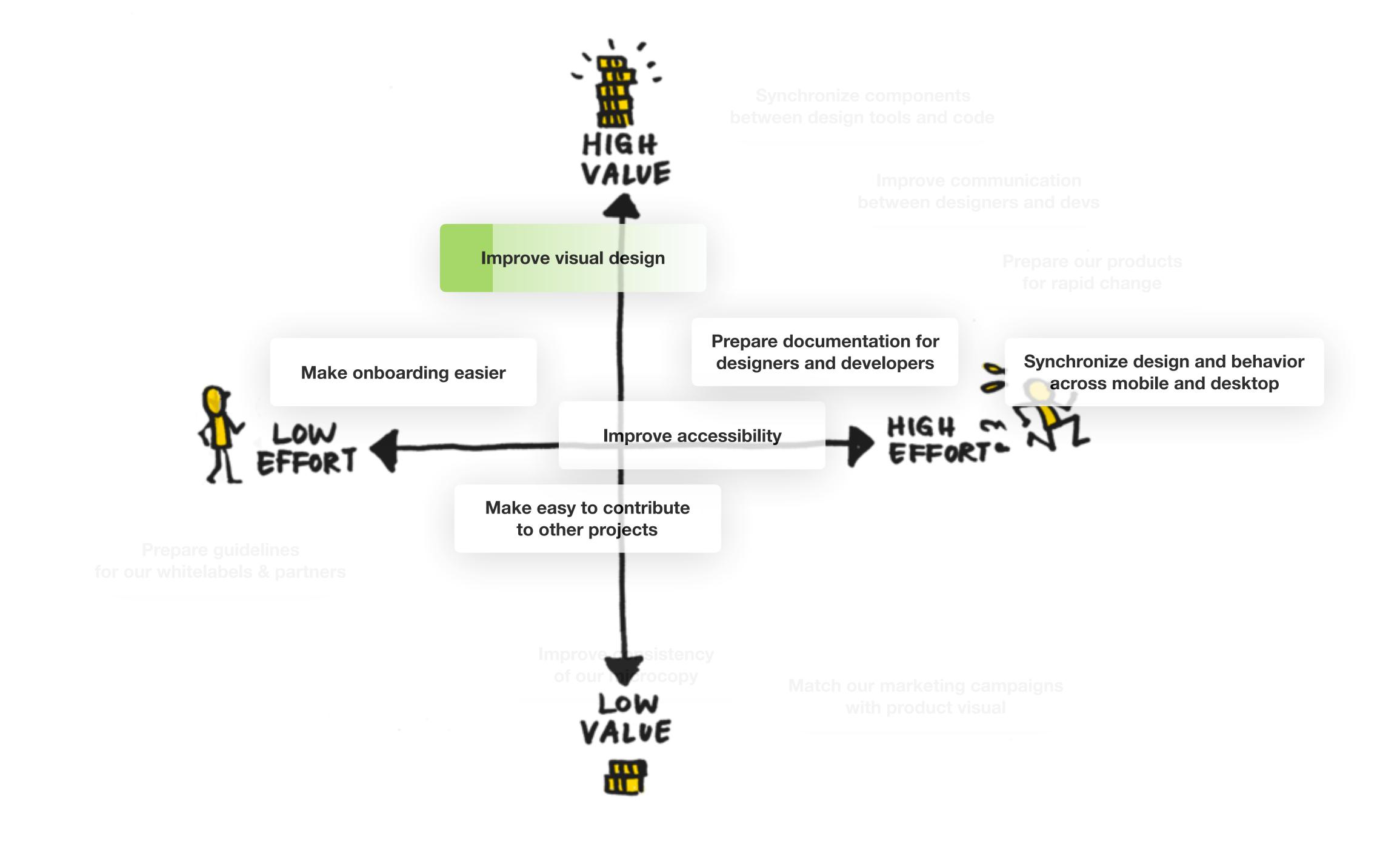
It's all about gaining trust.

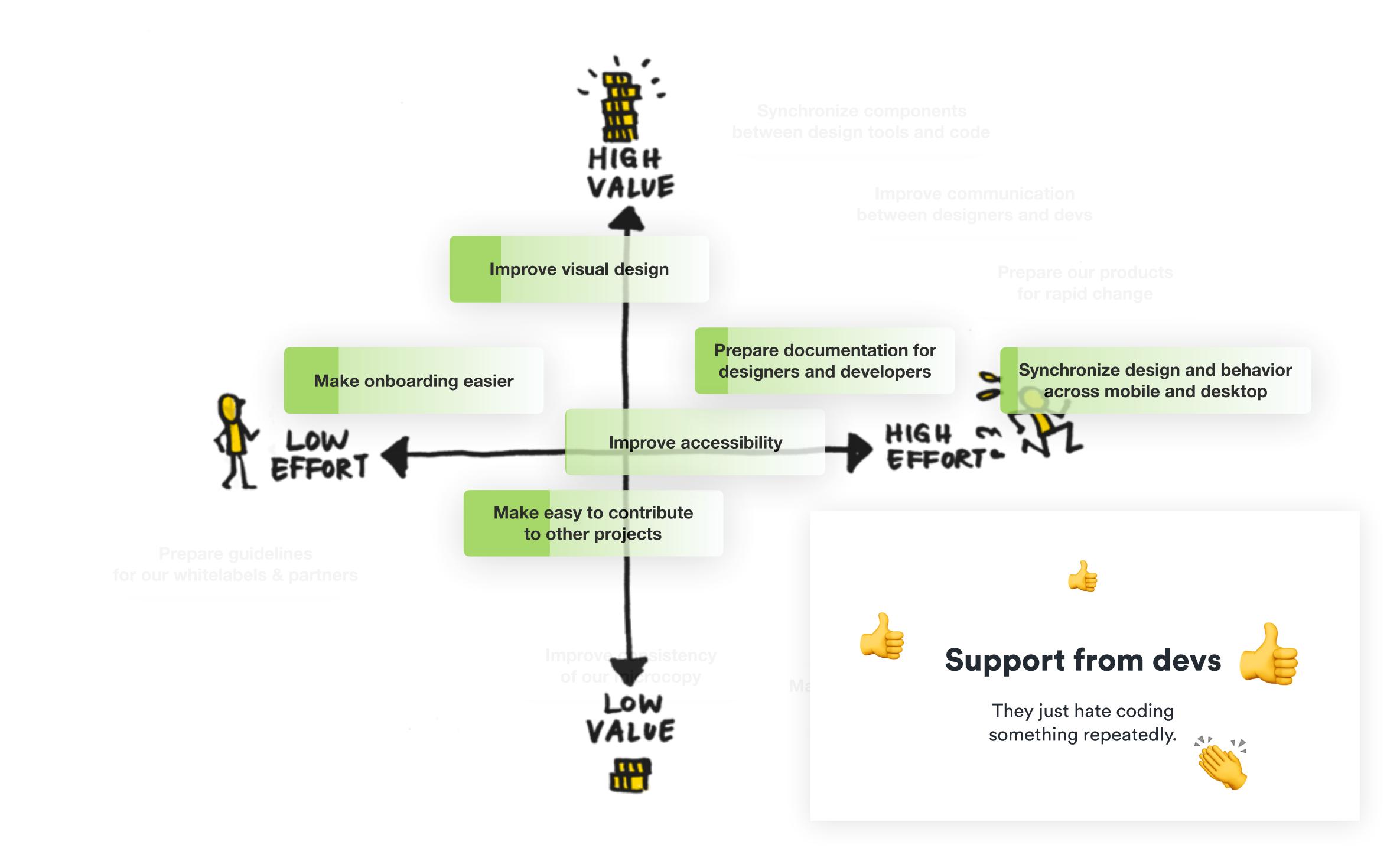


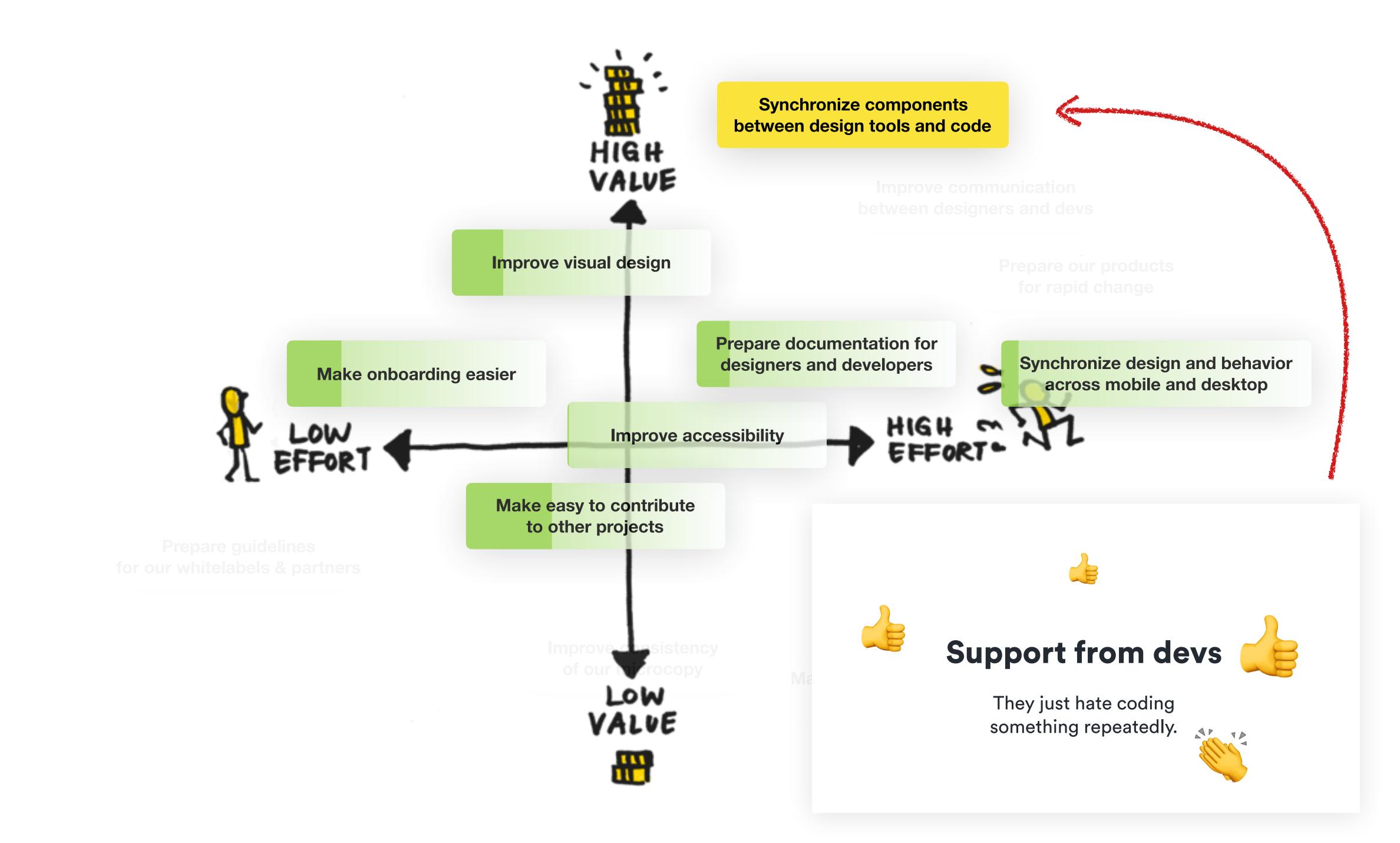
Check Our roadmap

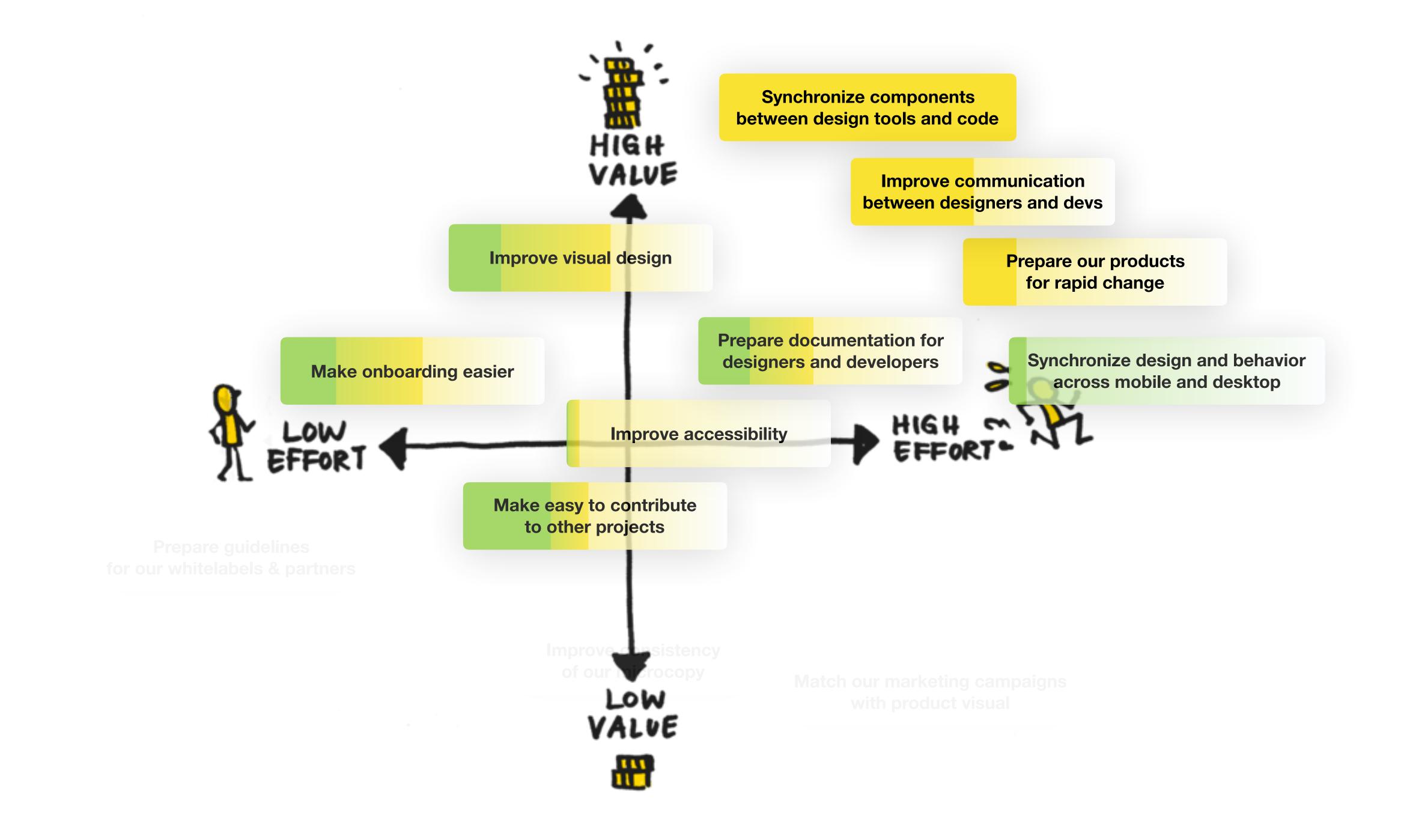






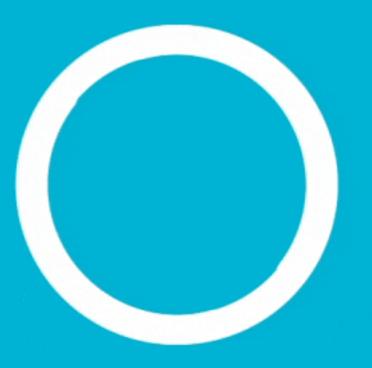






"Nothing is invented and perfected at the same time."

- John Ray



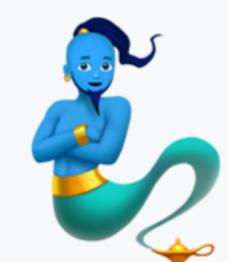
think

Benefits of this approach



Delivering small parts that matter





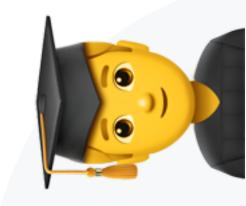


Delivering small parts that matter Continuous proof of value









Delivering small parts that matter Continuous proof of value Getting frequent feedback







Delivering small parts that matter Continuous proof of value Getting frequent feedback Increasing awareness



Change won't happen overnight

Be persistent. Be transparent. Be there for them.

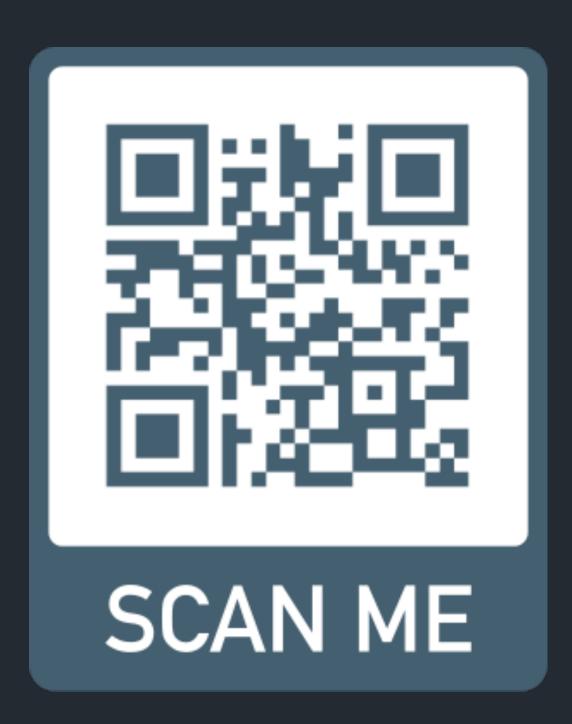




Thank you.

Reach out to me on Twitter: @HonzaTmn





https://joind.in/talk/9d110