

Batony #5 – October 2, 2019

WORKING WITH DEVELOPERS

Łukasz Przywarty

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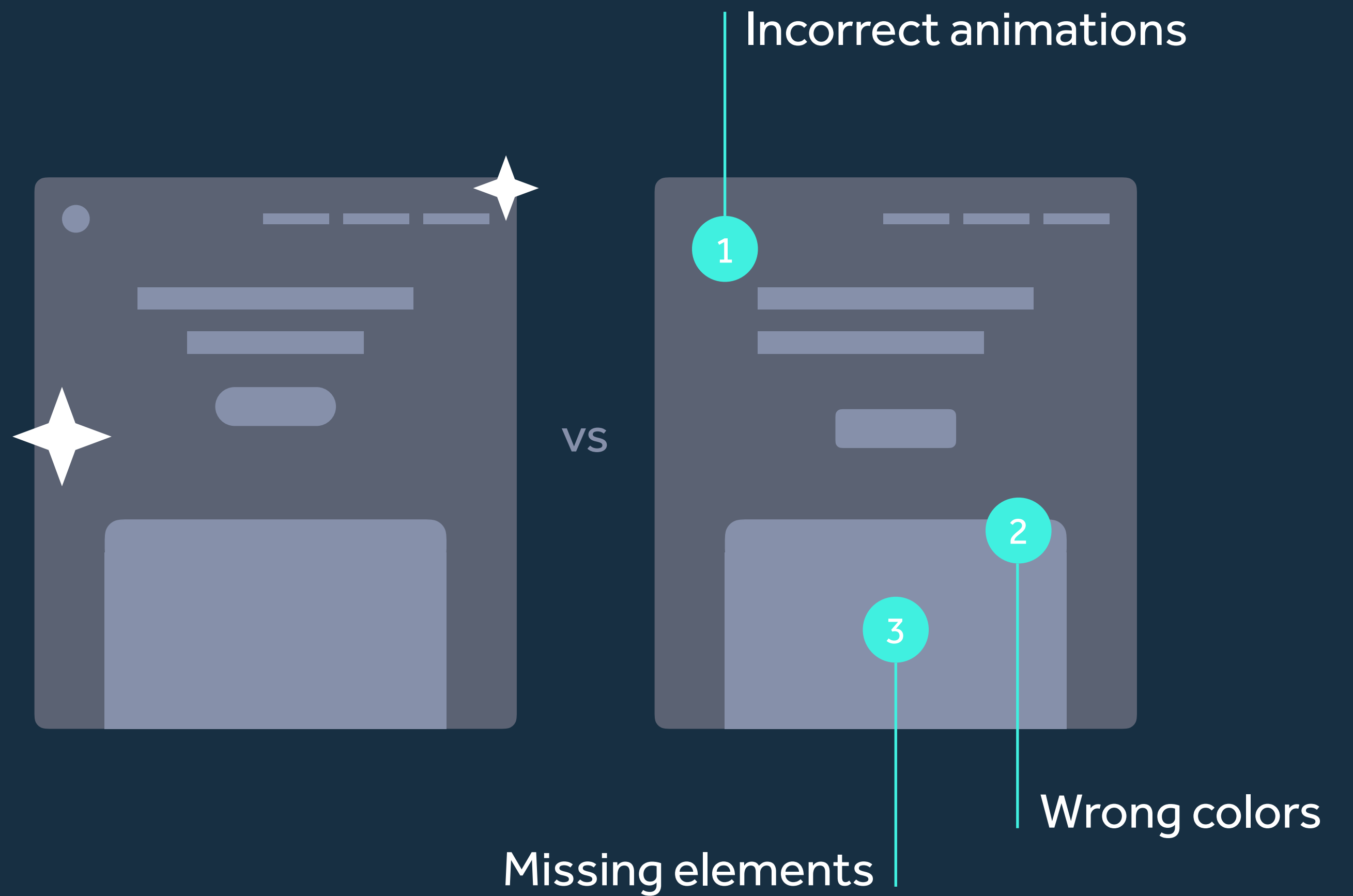
Head of Design, Infermedica



Once upon a time, there
was a **designer...**

@LukaszPrzywarty

Expectations vs reality



This is not what I've designed.

Developers don't care about design.

There was too much to do and too little time.

I can't talk to developers.

It's not my fault. 🙄

1

PREPARE

Become a design advocate



First, explain **the basics**

What is the job of a designer?

What is the business value of design?

What are the examples of great product design?

Next steps

- Host design workshops
- Show off your work (e.g. "demo days")
- Invite developers to research sessions, etc.



I saw Łukasz
designing this.

Paweł, Infermedica



**Get to know your
developers**



How?

- Grab a coffee and... talk!

- Learn how do developers work (process, tools)

- Find out how do they like to communicate

2

DESIGN

Include developers
in your **design**
process



// The ultimate goal is to **feel included.**

Jake Archibald, Developer at Google

@LukaszPrzywarty

How?

Remote work is *not*
an excuse

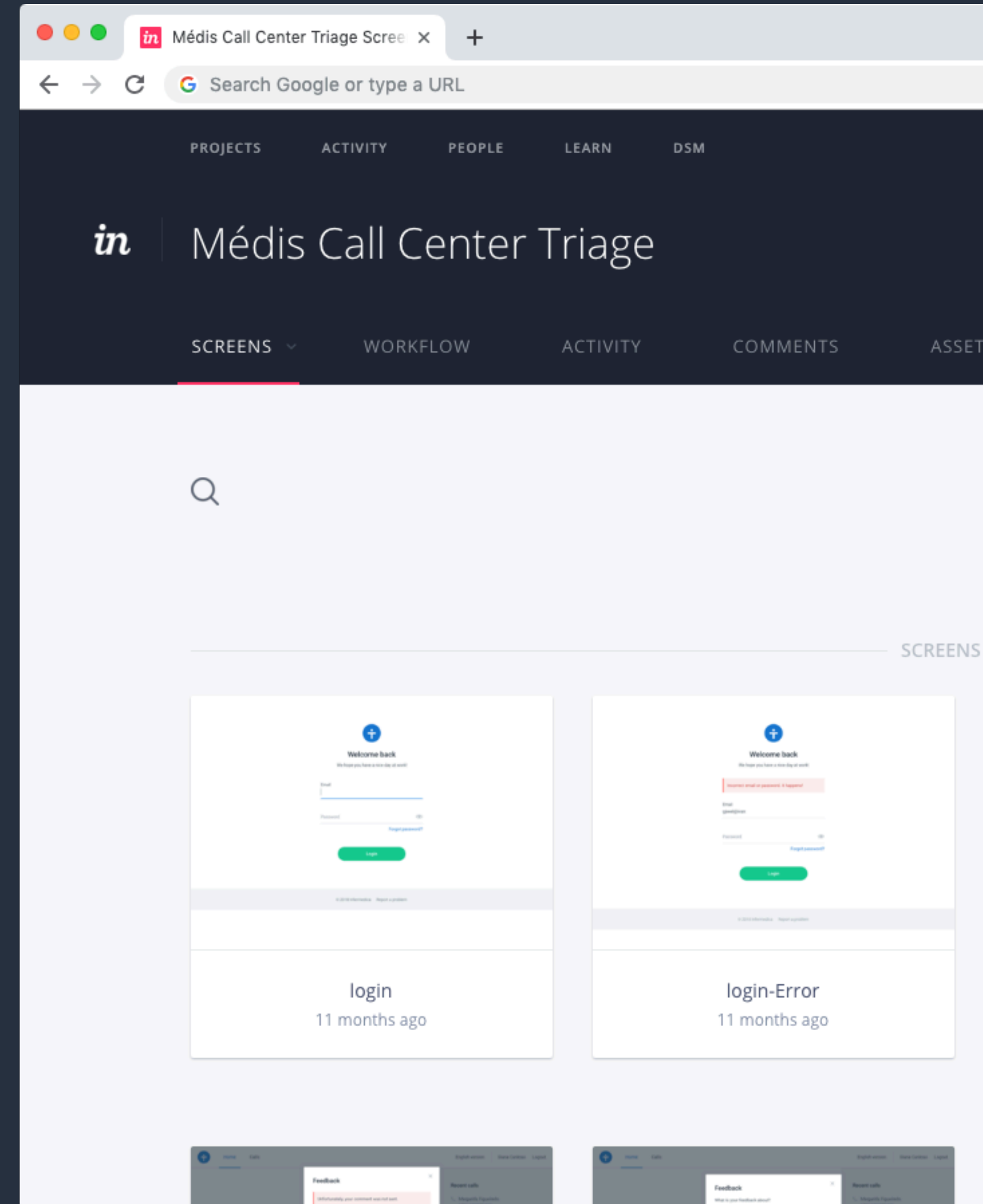
- Collaborate from the start
- Brainstorm, research, design together
- Leverage the knowledge of engineers

Share your work
early and often



How?

- Share prototypes (InVision, etc.)
- Share user research findings
- Ask for feedback



Justify your
decisions

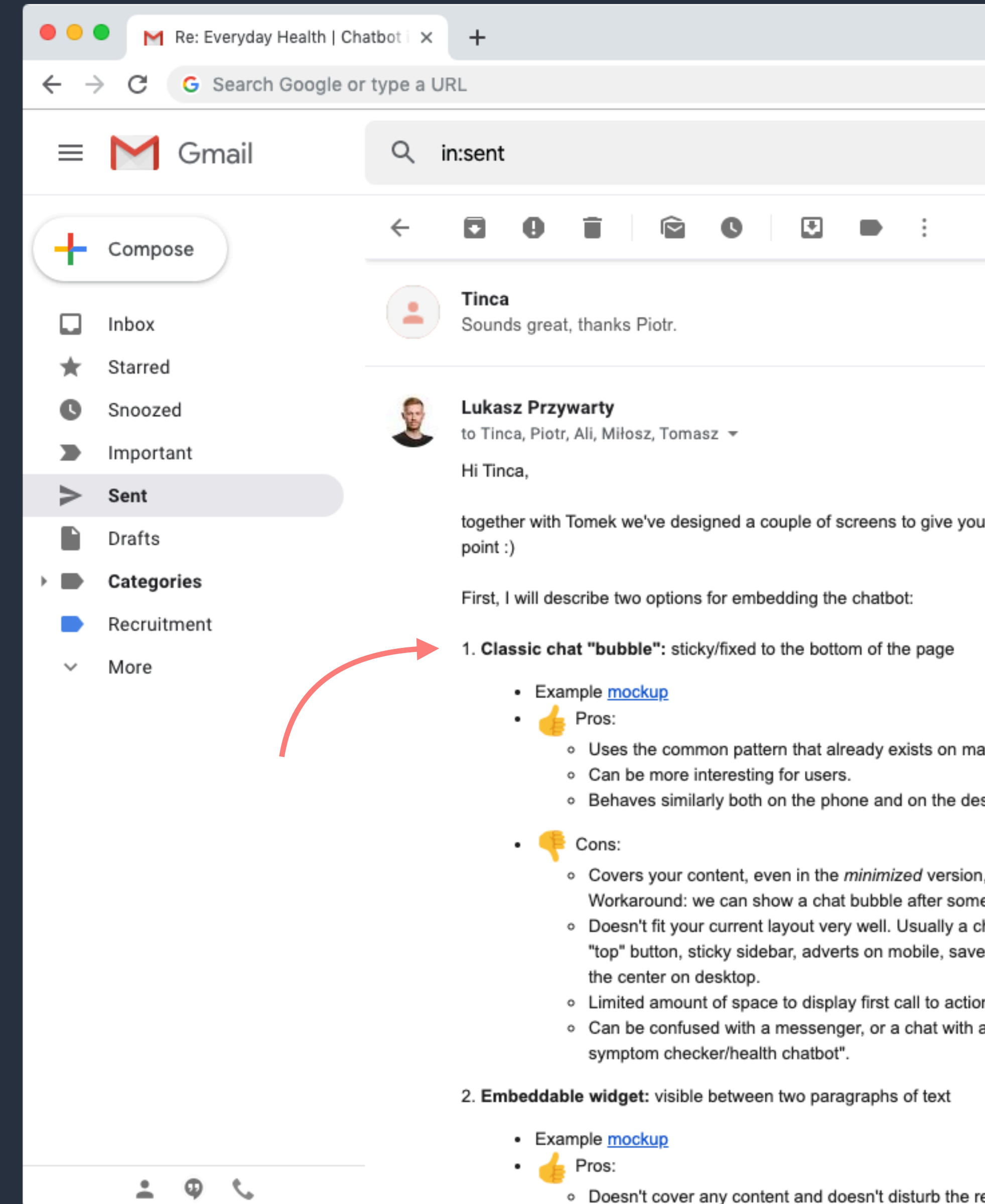


How?

□ Show the path that led you to the current design

□ Discuss the pros and cons of different solutions

□ Use data





Answer "Why?"

Healthform Software project

HF-161

No results: change the copywriting (Add symptoms screen)

Attach Create subtask Link issue Link page

Description
https://invis.io/B2BJ8NV8S#/220507552_Step-3-3
Please change the copy according to the project.

Why?

1. To make it more human 😊
2. To explain to users how does the search work, and what can they enter in the search field.

Attachments

TestRail: Results
You are not yet logged in to TestRail. Please log in to use the integration.
[Log in to TestRail](#)

STATUS
Resolved Done

ASSIGNEE
Tomasz Gabrysiak

REPORTER
Lukasz Przywarty

DEVELOPMENT
[+ Create branch](#)

LABELS
None

REVIEWER
Lukasz Przywarty

PRIORITY
Major

TESTRAIL: CASES
Open TestRail: Cases

[Show 6 more fields](#)
Story Points, Epic Link, Components, Sprint, Fix versions ...

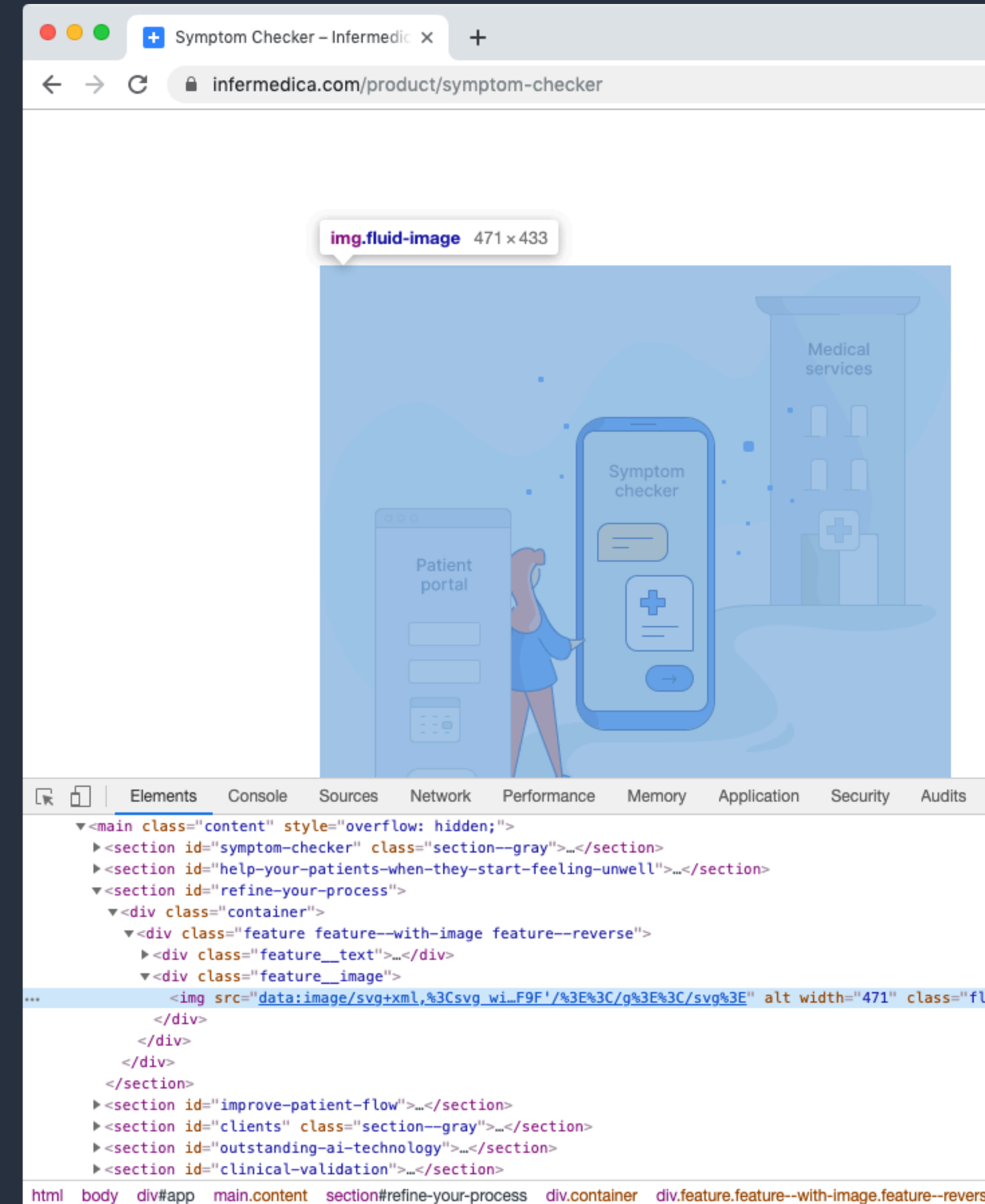
Created May 2, 2017, 5:57 PM
Updated 51 minutes ago

Think like an
engineer



How?

- Find out how things work (read the docs, use developer tools, etc.)
- Learn a few technical terms (API, cache, requests, etc.)
- Consider learning to code



What if there's no picture?

What happens when errors occur?

What happens when there's no Internet access?

What happens if the element is empty?

Edge cases



Hand off your designs



// The best hand-off is **no hand-off**

Bjørn Rostad, Product Designer at Dropbox

@LukaszPrzywarty

How?

- Find out what the developers need from you
- Provide as much information as you can
- Don't made developers guess

Unless you want to test
their creativity!



Use hand-off tools

Risk factors > Symptoms > Red flags > Related > Interview > Results

Symptoms

Find symptom

▼ Most common

- Adult upper respiratory illness
- Pediatric upper respiratory illness
- Adult sore throat (351px)
- Pediatric vomiting
- Adult diarrhea
- Adult abdominal pain
- Adult vomiting
- Pediatric sore throat
- Pediatric diarrhea
- Pediatric skin rash
- Adult vertigo, dizziness

Rafaela Silva
100307442 · Female, 22

Live results
Add more symptoms or risk factors to see results

Reported
Adult upper respiratory illness
Adult sore throat

PROPERTIES

TYPEFACE
Roboto Regular

SIZE 15px **LINE HEIGHT** 22px

LETTER normal **ALIGN** left

COLOR #475561

CSS COPY CODE



Create a style guide

The screenshot shows a web browser window with the address bar displaying "infermedica.style/brand/colors". The page has a dark blue sidebar on the left with a navigation menu. The main content area is white and features a section titled "All colors" with a paragraph of text and two rows of color swatches. The first row contains four navy blue shades, and the second row contains four gray shades. The third row, which is partially cut off at the bottom, contains four bright blue shades.

Brand.




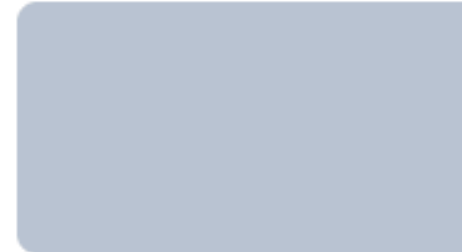
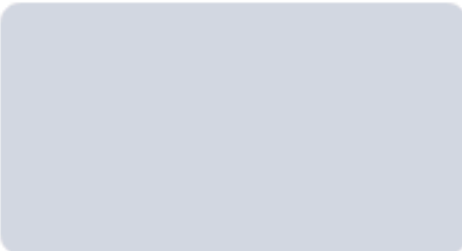
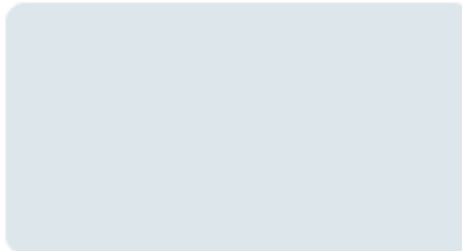
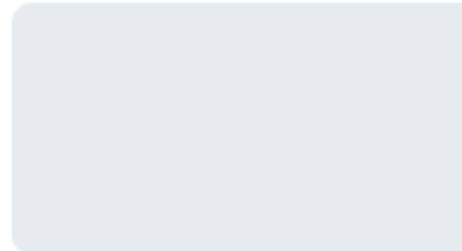
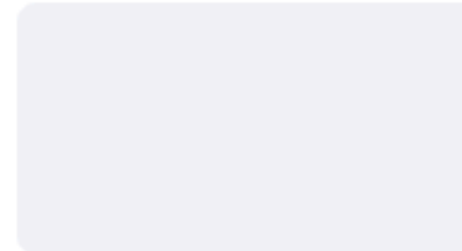



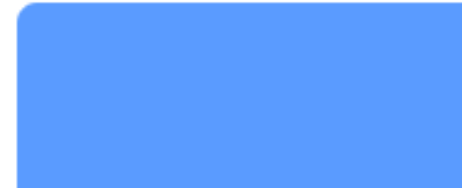
- Logo
- Colors
- Typography
- Team
- Templates
- App screens
- Illustrations

Components. SOON

- Buttons
- Forms
- Links

All colors

Fifteen colors and only four shades of gray. It's not the marketing mumbo-jumbo. Every color is a piece of art. Also, we use the consistent color names in the Infermedica Brand app and CSS files. Ain't it great?

			
Navy 1 – heading #112950	Navy 2 – text #324b72	Navy 3 #7b8ba5	Navy 4 #bbc4d3
			
Gray 1 #d6dbe4	Gray 2 #e0e6ed	Gray 3 #eaeef2	Gray 4 #f1f4f9
			



Design all possible flows

The screenshot displays a design tool interface with a dark theme. The top navigation bar includes 'INSPECT' and 'ASSETS' tabs. The main workspace shows a design for a feedback form with the following elements:

- Form Header:** A red border at the top, followed by the text 'Napisz komentarz.' and a green button labeled 'Wyślij opinię'.
- Form Body:** A 'Loading' state with the URL 'https://codepen.io/lucc/pen/GYEJdq'. Below it is a 'Prześlij opinię' section with a question 'Czy informacje na tej stronie okazały się pomocne?' and a five-star rating system.
- Form Footer:** A 'Komentarz (opcjonalnie)' section with a text input field containing 'Może lepiej zajmijcie się hodowlą jedwabników.' and a green button with three dots.

The right sidebar contains design tool settings:

- Dimensions:** WIDTH 1600px, HEIGHT 4200px.
- COLORS:** Document Colors and Screen Colors palettes.
- Fonts:** Roboto Regular, Roboto Medium, Roboto Italic.
- GRID:** A section for grid settings.

The left sidebar shows a list of design assets, including text elements like 'Skopiowano do schowk', 'Wyślij kolejną opini', 'Dziękujemy! Twoja op', 'Prześlij opinię', and 'Może lepiej zajmijci', as well as various 'Rectangle' and 'Oval' shapes.



Prototype in code

The screenshot shows a web browser window with the URL `cdpn.io/lucc/debug/oeEBrb/vWMRwRPdJJNr`. The browser's developer tools are open, displaying the DOM tree and the Styles panel. The DOM tree shows the following structure:

```
<doctype html>
<html lang="en" data-lt-installed="true">
  <head>...</head>
  <body translate="no">
    <div class="wrapper">
      <h3>How strong is your headache?</h3> == $0
      <ul class="pain-scale">...</ul>
      <ul class="legend">...</ul>
    </div>
  </body>
</html>
```

The Styles panel shows the following CSS rules for the selected `h3` element:

```
h3 {
  font-size: 22px;
  font-weight: 500;
}
```

The main content of the page is a pain scale form with the title "How strong is your headache?". The scale consists of 10 numbered boxes, ranging from 1 to 10. The boxes are labeled "Mild" on the left and "Very severe" on the right. The first six boxes (1-6) are colored in a gradient from light yellow to dark orange, while the remaining four boxes (7-10) are light gray.

Use real data (InVision Craft, populate.design, tinyfac.es, etc.)

Remember about language differences



3

DEVELOP

Regularly check
progress



How?

- Set up the design review process
- Make use of developers' meetings
- Prioritize design tweaks



Share your comments

Medis Triage - beta, komentarze x +

Search Google or type a URL

Medis Triage - beta, komentarze ★
Infermedica > Medis Triage • Shared with 17 others

Invite Publish doc

4. Kropeczki w animacji przycisku: <https://codepen.io/lucc/pen/GYEJdq?editors=0100> ❤️

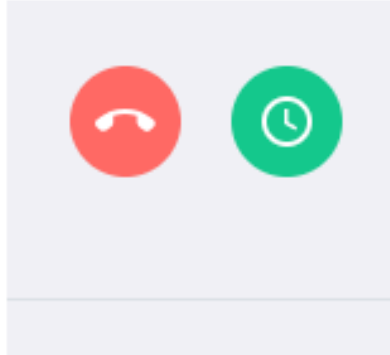
5. Przycisk/strzałeczka wstecz w przeglądarce nie cofa do poprzedniego kroku, gdy jestem w trybie rozmowy.

6. Doceniam animację radio buttona i dodajmy stan focus.


7. Kreseczki → strzałeczki, żeby lepiej zarysować flow.

Symptoms — Risk factors — Red flags — Related — Interview

8. Hover na czerwonym: #E55353, odległość między czerwonym a zielonym: 16px



9. Brakuje tooltipów 🙄 Może chcesz je dodać w metabase? 3 lata na to czekam!



o panie

ukradzione, dodam

daj jakis codepen, cooo?

1 comment

4

FOLLOW UP

Developers are not **your enemies**

@LukaszPrzywarty

// How can we honestly build empathy for our users if we **can't empathize with each other, or those outside of our towers?**

Mustafa Kurtuldu, Design Advocate at Google

@LukaszPrzywarty

Get to a solution together

@LukaszPrzywarty

Sources

- [A mindful design process](#)
- [Creating a collaborative environment](#)
- [Everyone is a designer. Get over it](#)
- [How designers work with developers](#)
- [How to work effectively with engineers](#)
- [The beauty of imperfection in interface design](#)
- [The nine states of design](#)
- [The power of experience mapping](#)
- [When design feels like an uphill battle](#)
- [Who is responsible for design?](#)

THANK YOU!

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