1. Semester

- Einführung UI, UX, Prototyping
- Prototyping mit Figma
- Layout, Farbe, Schrift, Animation
- Richtlinien, Barrierefreiheit
- Komponenten, Design Systeme, Plugins
- Kleine Übungen
- Prototyping einer Mobile App (Solo)

2. Semester

- Konzeption und Prototyping einer Webseite (Teams)
- Schnittstelle Design und Code
- Zusammenarbeit, Dokumentation, Implementation

useratio.com

The Anatomy
Of a Thousand Typefaces

Abstract

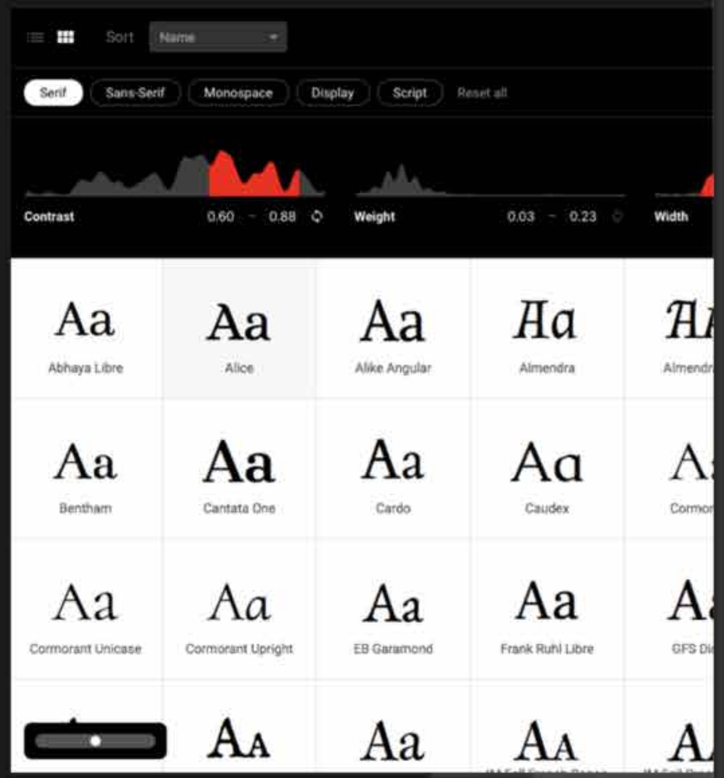
This project aims to analyse visual characteristics of typefaces and to make them explorable through a web interface. The data reveals shared characteristics between typefaces, but also shows the misfits and extremes along the distribution of values such as *contrast*, *x-height*, *width* or *weight*.

For demonstration purposes, the collection is limited to the Google Fonts Library, but theoretically applicable to any font library consisting of TrueType Fonts. This project wouldn't be possible without OpenType.js

EXPLORE FONT LIBRARY
(Requires ~20 MB of data)

LEARN MORE

An experiment by @getflourish



https://medium.com/@getflourish/the-anatomy-of-a-thousand-typefaces-f7b9088eed1

Was heisst eigentlich UX?

User Experience

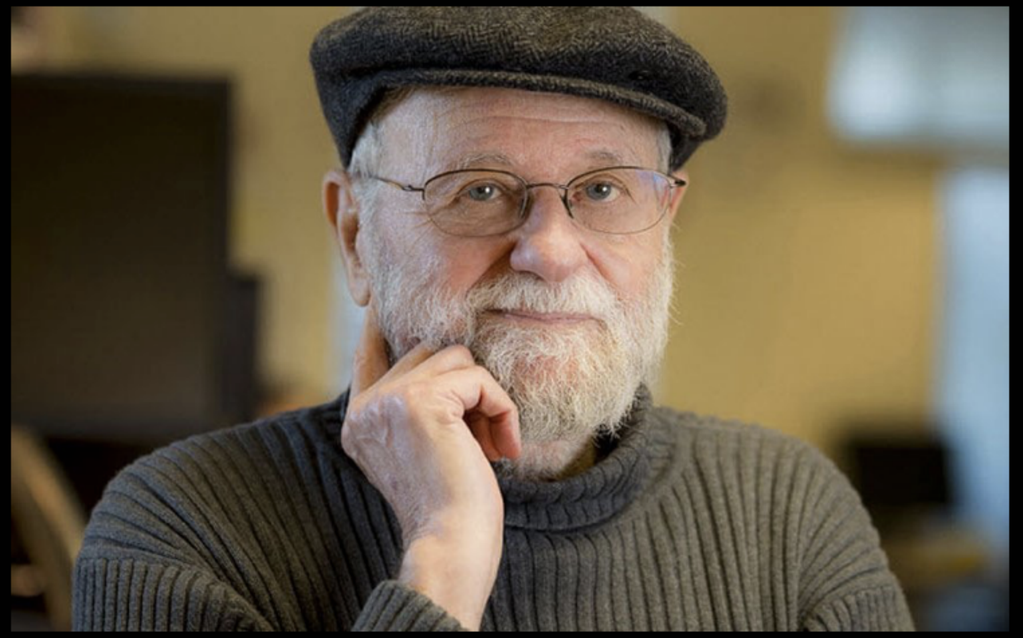
Benutzererlebnis

UX

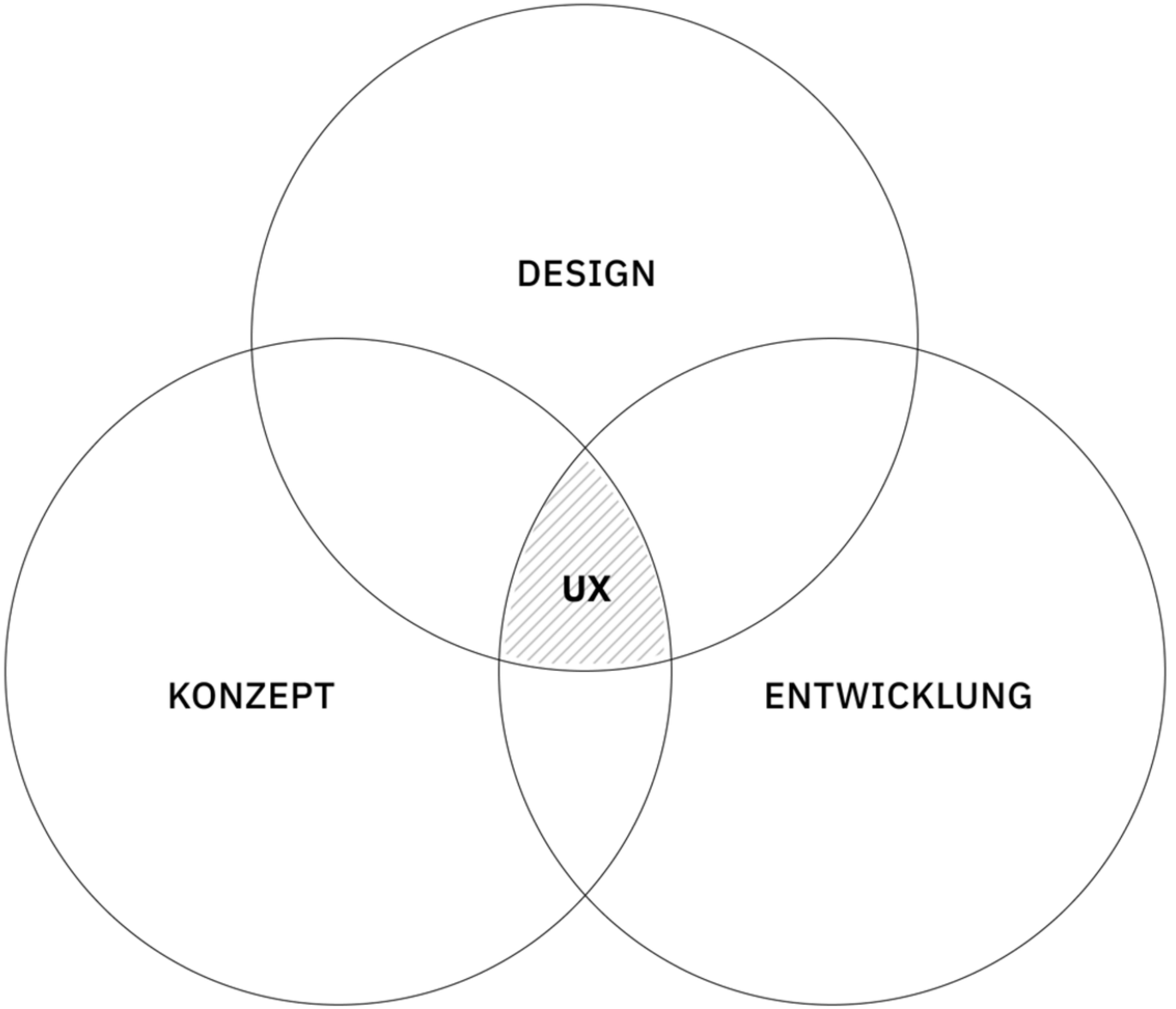
WHAT IS USER EXPERIENCE?

“User experience (UX) encompasses all aspects of the end user’s interaction with the company, its services and its products.”

Don Norman



The Design of Everyday Things
von Don Norman
1988


DESIGN
UX
KONZEPT
ENTWICKLUNG

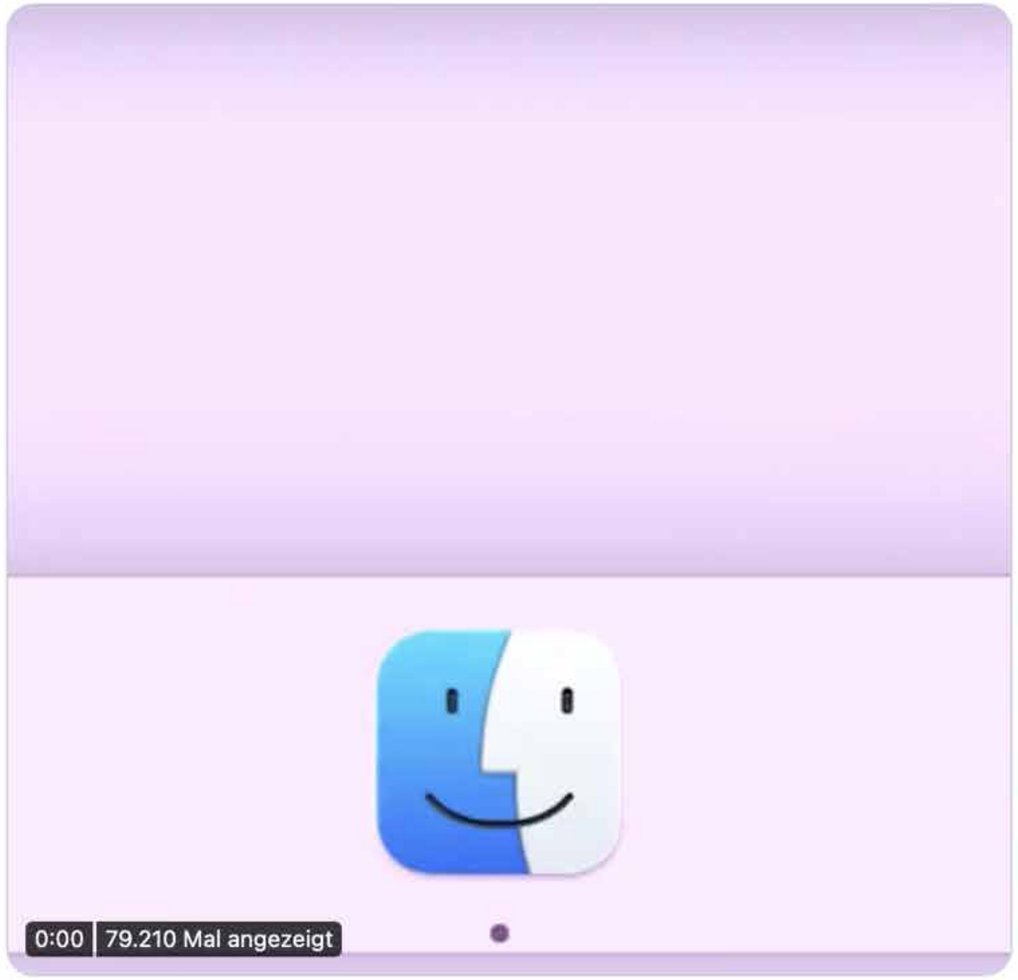
Jennifer Aldrich (https://twitter.com/jma245/status/440946484167864320)

Thread

Neil Sardesai
@neilsardesai

Had a bit of a silly idea and I just *had* to build it

Tweet übersetzen

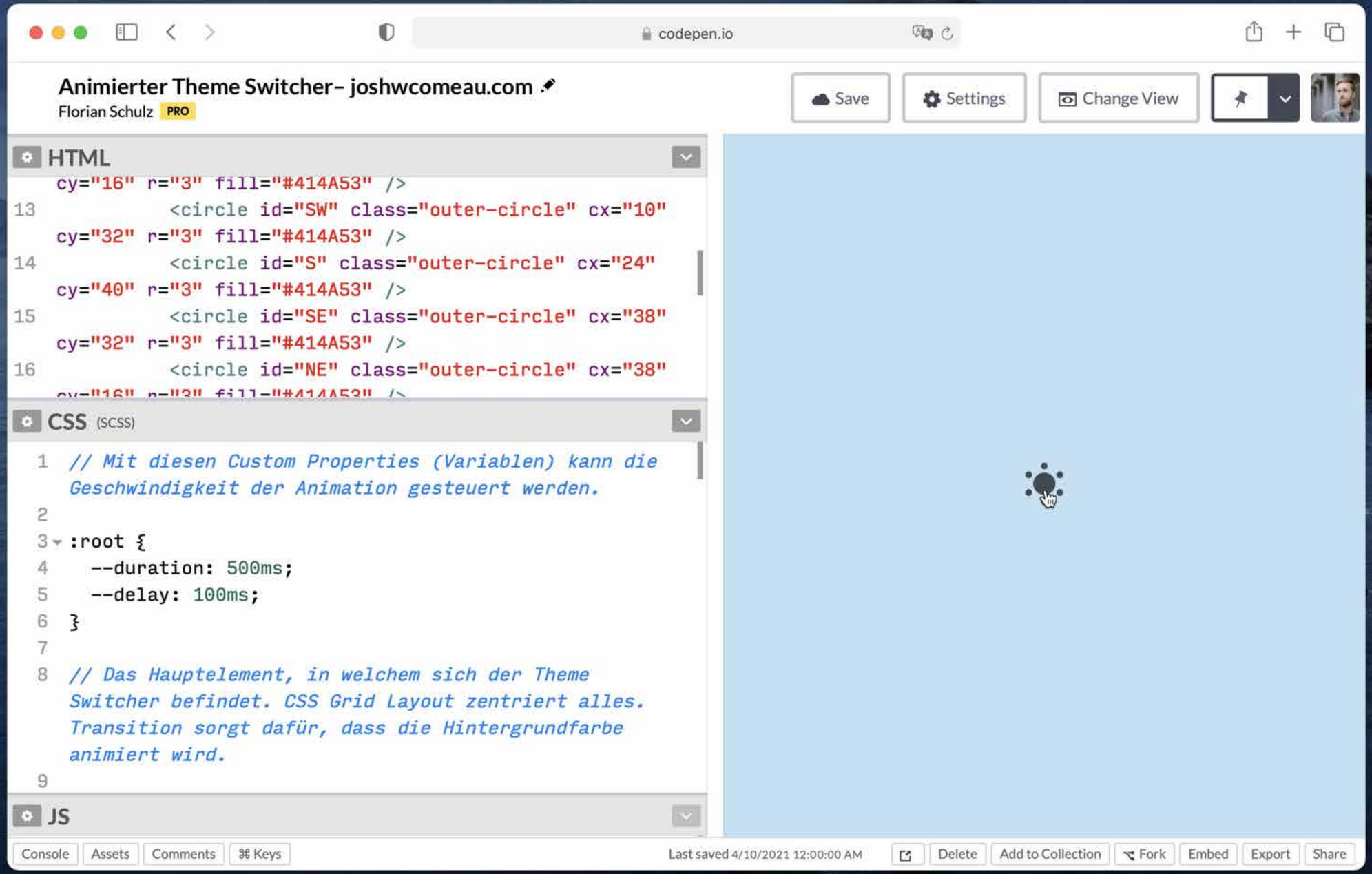


12:16 vorm. · 18. Feb. 2021 · Twitter for Mac

576 Retweets **78** Zitierte Tweets **5.023** „Gefällt mir"-Angaben

https://learningsynths.ableton.com/

Ziehe nach links oder rechts, um den LFO schneller oder langsamer zu machen. Ziehe nach oben oder unten, um die LFO-Intensität zu erhöhen oder verringern.


codepen.io
Animierter Theme Switcher– joshwcomeau.com
Florian Schulz PRO
Save
Settings
Change View
HTML
cy="16" r="3" fill="#414A53" />
13 <circle id="SW" class="outer-circle" cx="10" cy="32" r="3" fill="#414A53" />
14 <circle id="S" class="outer-circle" cx="24" cy="40" r="3" fill="#414A53" />
15 <circle id="SE" class="outer-circle" cx="38" cy="32" r="3" fill="#414A53" />
16 <circle id="NE" class="outer-circle" cx="38"
CSS (SCSS)
1 // Mit diesen Custom Properties (Variablen) kann die Geschwindigkeit der Animation gesteuert werden.
2
3 :root {
4 --duration: 500ms;
5 --delay: 100ms;
6 }
7
8 // Das Hauptelement, in welchem sich der Theme Switcher befindet. CSS Grid Layout zentriert alles. Transition sorgt dafür, dass die Hintergrundfarbe animiert wird.
9
JS
Console
Assets
Comments
⌘ Keys
Last saved 4/10/2021 12:00:00 AM
Delete
Add to Collection
Fork
Embed
Export
Share

Freudian Slip

lineto.com

Ihr Passwort zurücksetzen

Hi **Florian Schulz**, bitte Ihr neues Passwort zur Anmeldung festlegen.

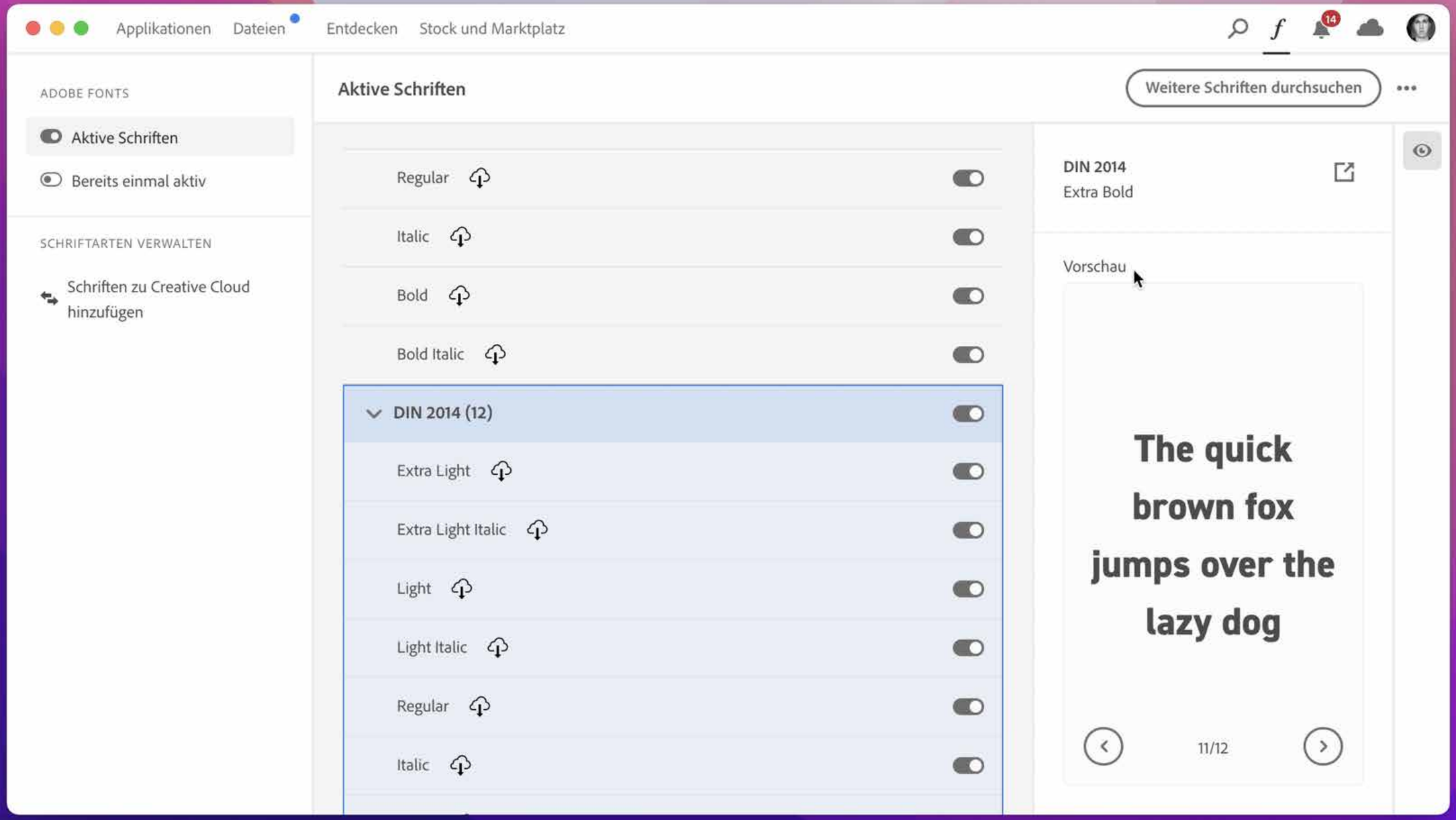
Kennwort

Kennwort muss:

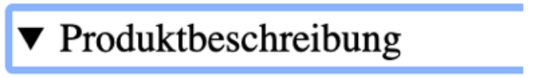
- Mindestens 10 Zeichen haben.
- Mindestens 1 Buchstaben (a, b, c...) beinhalten.
- Mindestens 1 Zahl (1, 2, 3...) beinhalten.
- Mindestens 1 Sonderzeichen (!, @, #...) beinhalten.
- Auch Groß- und Kleinbuchstaben enthalten

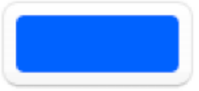
Passwort bestätigen

Speichern


Applikationen
Dateien
Entdecken
Stock und Marktplatz
14
ADOBE FONTS
Aktive Schriften
Bereits einmal aktiv
SCHRIFTARTEN VERWALTEN
Schriften zu Creative Cloud hinzufügen
Aktive Schriften
Weitere Schriften durchsuchen
Regular
Italic
Bold
Bold Italic
DIN 2014 (12)
Extra Light
Extra Light Italic
Light
Light Italic
Regular
Italic
DIN 2014
Extra Bold
Vorschau
The quick brown fox jumps over the lazy dog
11/12

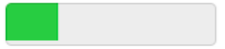
User Interface

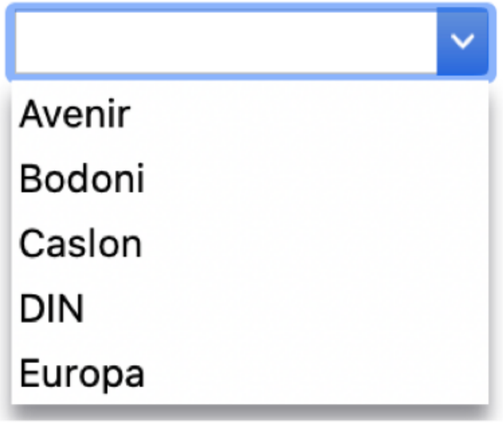




Lorem ipsum dolor sit amet cor
possimus.

▶ Technische Informationen





This is a motherfucking website.

And it's fucking perfect.

Seriously, what the fuck else do you want?

You probably build websites and think your shit is special. You think your 13 megabyte parallax-ative home page is going to get you some fucking Awwward banner you can glue to the top corner of your site. You think your 40-pound jQuery file and 83 polyfills give IE7 a boner because it finally has box-shadow. Wrong, motherfucker. Let me describe your perfect-ass website:

- Shit's lightweight and loads fast
- Fits on all your shitty screens
- Looks the same in all your shitty browsers
- The motherfucker's accessible to every asshole that visits your site
- Shit's legible and gets your fucking point across (if you had one instead of just 5mb pics of hipsters drinking coffee)

Well guess what, motherfucker:

You. Are. Over-designing. Look at this shit. It's a motherfucking website. Why the fuck do you need to animate a fucking trendy-ass banner flag when I hover over that useless piece of shit? You spent hours on it and added 80 kilobytes to your fucking site, and some motherfucker jabbing at it on their iPad with fat sausage fingers will never see that shit. Not to mention blind people will never see that shit, but they don't see any of your shitty shit.

You never knew it, but this is your perfect website. Here's why.

It's fucking lightweight

This entire page weighs less than the gradient-meshed facebook logo on your fucking Wordpress site. Did you seriously load 100kb of jQuery UI just so you could animate the fucking background color of a div? You loaded all 7 fontfaces of a shitty webfont just so you could say "Hi." at 100px height at the beginning of your site? You piece of shit.

It's responsive

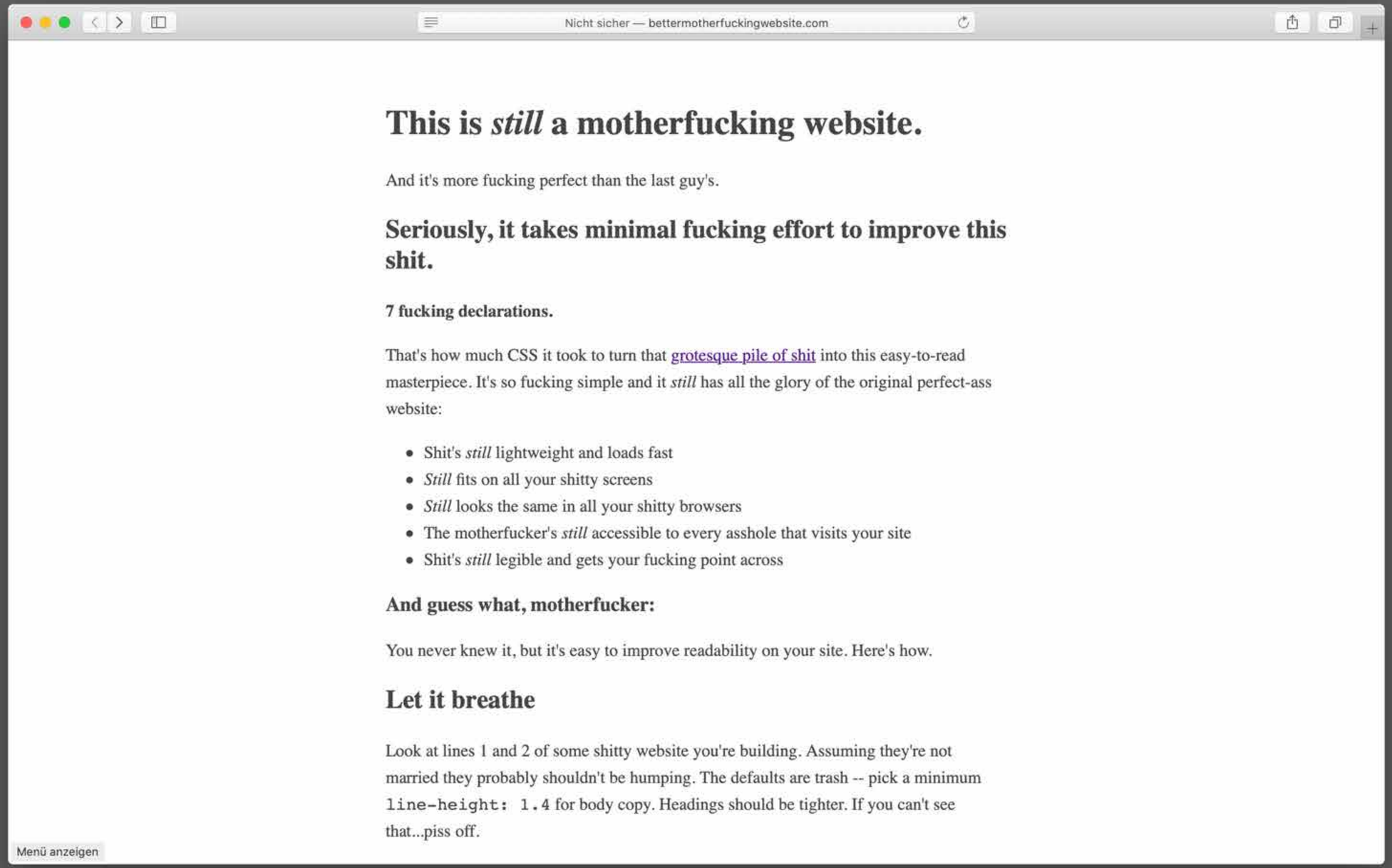
You dumbass. You thought you needed media queries to be responsive, but no. Responsive means that it responds to whatever motherfucking screensize it's viewed on. This site doesn't care if you're on an iMac or a motherfucking Tamagotchi.

It fucking works

Look at this shit. You can read it ... that is, if you can read, motherfucker. It makes sense. It has motherfucking hierarchy. It's using HTML5 tags so you and your bitch-ass browser know what the fuck's in this fucking site. That's semantics, motherfucker.

It has content on the fucking screen. Your site has three bylines and link to your dribbble account, but you spread it over 7 full screens and make me click some bobbing button to show me how cool the jQuery ScrollTo plugin is.

 compatibility? Load this motherfucker in IE6. I fucking dare you.


Nicht sicher — bettermotherfuckingwebsite.com
This is *still* a motherfucking website.
And it's more fucking perfect than the last guy's.
Seriously, it takes minimal fucking effort to improve this shit.
7 fucking declarations.
That's how much CSS it took to turn that grotesque pile of shit into this easy-to-read masterpiece. It's so fucking simple and it *still* has all the glory of the original perfect-ass website:
- Shit's *still* lightweight and loads fast
- *Still* fits on all your shitty screens
- *Still* looks the same in all your shitty browsers
- The motherfucker's *still* accessible to every asshole that visits your site
- Shit's *still* legible and gets your fucking point across
And guess what, motherfucker:
You never knew it, but it's easy to improve readability on your site. Here's how.
Let it breathe
Look at lines 1 and 2 of some shitty website you're building. Assuming they're not married they probably shouldn't be humping. The defaults are trash -- pick a minimum `line-height: 1.4` for body copy. Headings should be tighter. If you can't see that...piss off.
Menü anzeigen

95

iA, October 2006

Web Design is 95% Typography.

https://ia.net/topics/the-web-is-all-about-typography-period

Web Design is 95% Typography

95% of the information on the web is written language. It is only logical to say that a web designer should get good training in the main discipline of shaping written information, in other words: Typography.

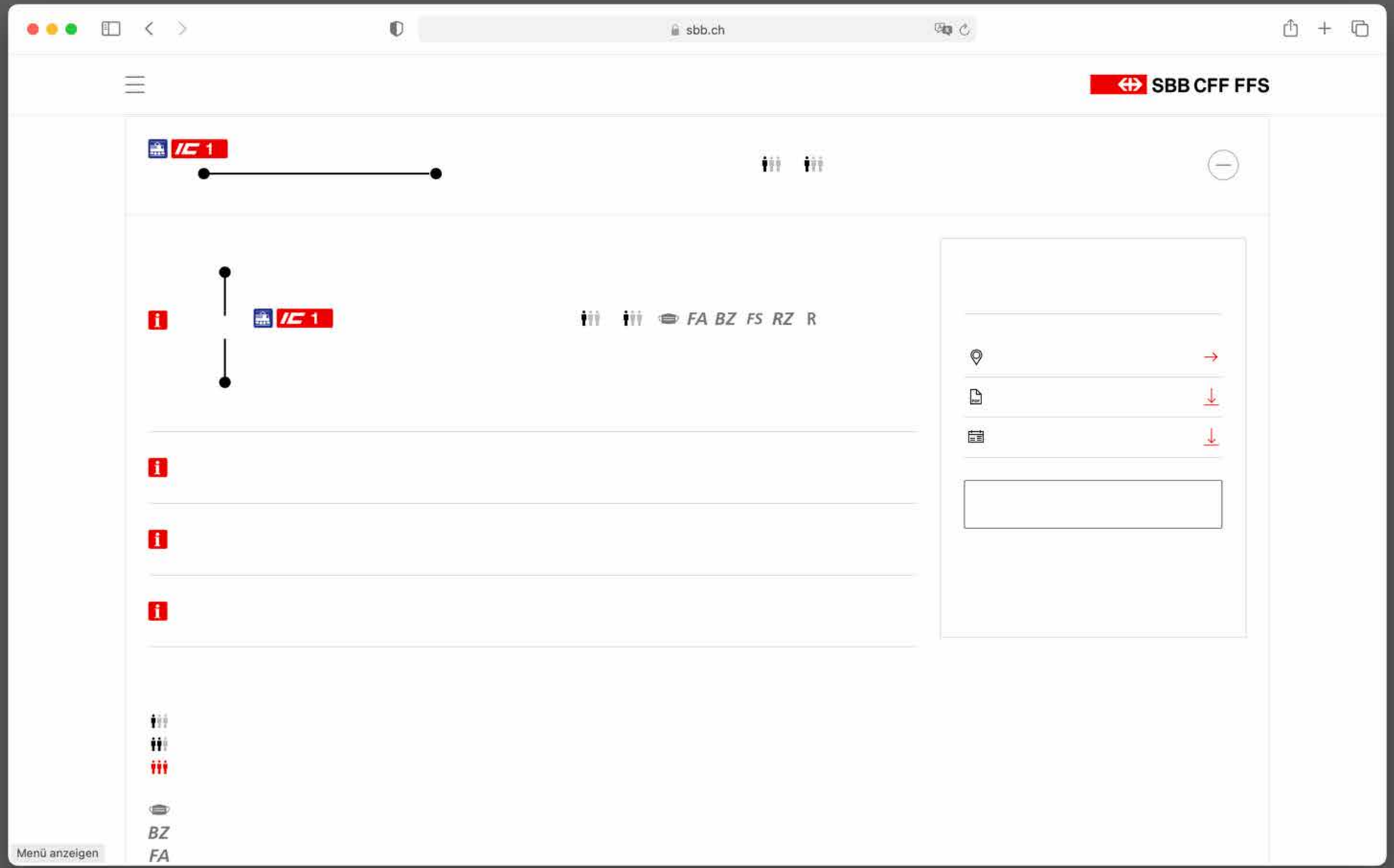
Back in 1969, Emil Ruder, a famous Swiss typographer, wrote on behalf of his contemporary print materials what we could easily say about our contemporary websites:

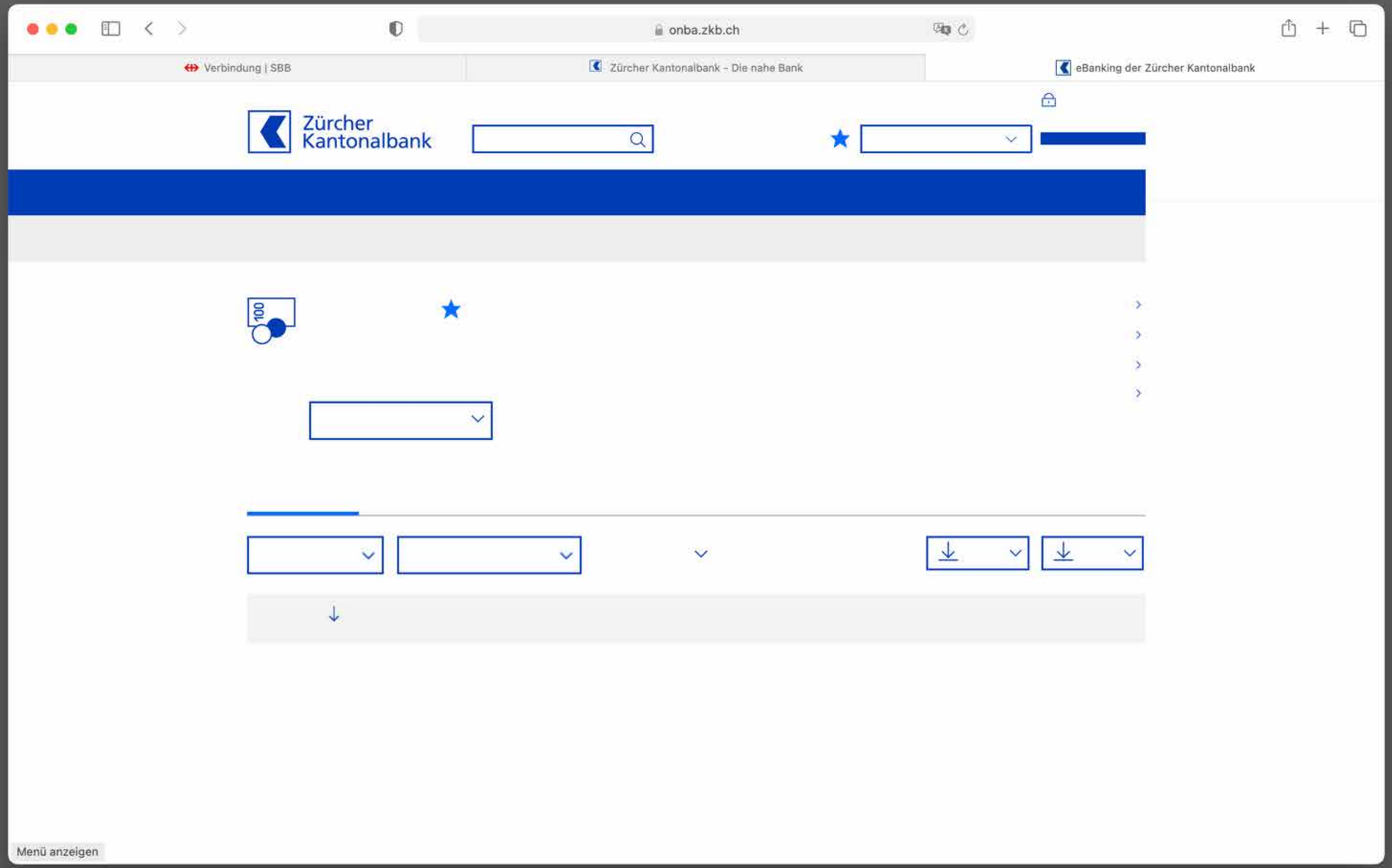
> “ Today we are inundated with such an immense flood of printed matter that the value of the individual work has depreciated, for our harassed contemporaries simply cannot take everything that is printed today. It is the typographer’s task to divide up and organize and interpret this mass of printed matter in such a way that the reader will

galaxus.ch

GALAXUS

Menü anzeigen


sbb.ch
SBB CFF FFS
IC 1
IC 1
FA BZ FS RZ R
BZ
FA
Menü anzeigen


onba.zkb.ch
Verbindung | SBB
Zürcher Kantonalbank – Die nahe Bank
eBanking der Zürcher Kantonalbank
Zürcher Kantonalbank
Menü anzeigen

WIKIPEDIA
Die freie Enzyklopädie

Hauptseite
Themenportale
Zufälliger Artikel

Mitmachen
Artikel verbessern
Neuen Artikel anlegen
Autorenportal
Hilfe
Letzte Änderungen
Kontakt
Spenden

Werkzeuge
Links auf diese Seite
Änderungen an verlinkten Seiten
Spezialseiten
Permanenter Link
Seiteninformationen
Wikidata-Datenobjekt

Drucken/exportieren
Buch erstellen
Als PDF herunterladen
Druckversion

In anderen Sprachen
Alemannisch
العربية
Boarisch
Català
Čeština
Dansk

Menü anzeigen

Willkommen bei Wikipedia

Wikipedia ist ein Projekt zum Aufbau einer Enzyklopädie aus freien Inhalten, zu denen du sehr gern beitragen kannst. Seit März 2001 sind 2.544.225 Artikel in deutscher Sprache entstanden.

Geographie **Geschichte** **Gesellschaft** **Kunst und Kultur** **Religion** **Sport** **Technik** **Wissenschaft**

Artikel nach Themen **Artikel nach Kategorien** **Gesprochene Wikipedia** **Archiv der Hauptseite**

Mitmachen Mentorenprogramm Kontakt Presse Statistik Sprachversionen

Wikipedia aktuell

Für den 34. Schreibwettbewerb und den 15. Miniaturenwettbewerb können bis einschließlich 31. März Artikel nominiert werden.

Artikel des Tages

Die **Thermische Oxidation von Silizium** ist in der Halbleitertechnik ein Beschichtungsverfahren, bei dem auf einem einkristallinen Siliziumsubstrat (beispielsweise einem Silizium-Wafer) eine dünne Schicht aus amorphem Siliziumdioxid aufgebracht wird. Es wird unter anderem bei der Herstellung von mikroelektronischen Schaltungen eingesetzt. Der Beschichtungsprozess basiert auf einer chemischen Reaktion von Sauerstoff und Silizium bei Temperaturen über 1100 °C. Bei sehr kurzen Prozesszeiten nennt man das Verfahren auch *Rapid Thermal Oxidation* (RTO, dt.: „schnelle thermische Oxidation"), das zur Erzeugung von sehr dünnen Oxidschichten (< 2 nm) dient. Ein ähnliches Verfahren ist die Erzeugung einer thermischen Siliziumnitrid-Schicht auf einem Siliziumsubstrat bei hohen Temperaturen. – *Zum Artikel …*

Archiv ▪ Weitere exzellente und lesenswerte Artikel ▪ RSS-Feed

Was geschah am 4. März?

- 1386 – Jagiełło wird in Krakau zum polnischen König gekrönt und ist damit seiner Frau Jadwiga gleichgestellt, die bereits gekrönter „König" von Polen war.
- 1931 – Im texanischen San Antonio wird der Kardinal und Erzbischof von Baltimore William Henry Keeler geboren.
- 1956 – Die lettisch-deutsche Malerin der Moderne Selma Des Coudres

In den Nachrichten

COVID-19 ▪ Fidesz-Partei ▪ Wolfgang Thierse ▪ Grimme-Preis

- Laut Presseberichten hat das Bundesamt für Verfassungsschutz die Alternative für Deutschland als rechtsextremistischen Verdachtsfall eingestuft.
- Bei der Verleihung der Golden Globe Awards wurden die Filme *Borat Anschluss Moviefilm*, *Nomadland* und *Soul* mit je zwei Preisen ausgezeichnet. In den Fernsehkategorien dominierte die Serie *The Crown*.
- Susanne Hennig-Wellsow und Janine Wissler sind zu neuen Vorsitzenden der Partei Die Linke gewählt worden; eine Bestätigung via Briefwahl steht noch aus.

Bundesamt für Verfassungsschutz

Weitere aktuelle Ereignisse

Kürzlich Verstorbene

- Chris Barber (90), britischer Jazzmusiker († 2. März)
- Nikolai Jablokow (95), sowjetischer Kriminalist († 2. März)
- Bunny Wailer (73), jamaikanischer Reggae-Musiker († 2. März)
- Shinoda Tōkō (107), japanische Künstlerin († 1. März)
- Ian St. John (82), schottischer Fußballspieler und -trainer († 1. März)

Weitere kürzlich Verstorbene

Schon gewusst?

- Auf Braunschweiger Notgeld finden sich zuweilen derbe Sprüche Till Eulenspiegels.

v-for-wiki.com

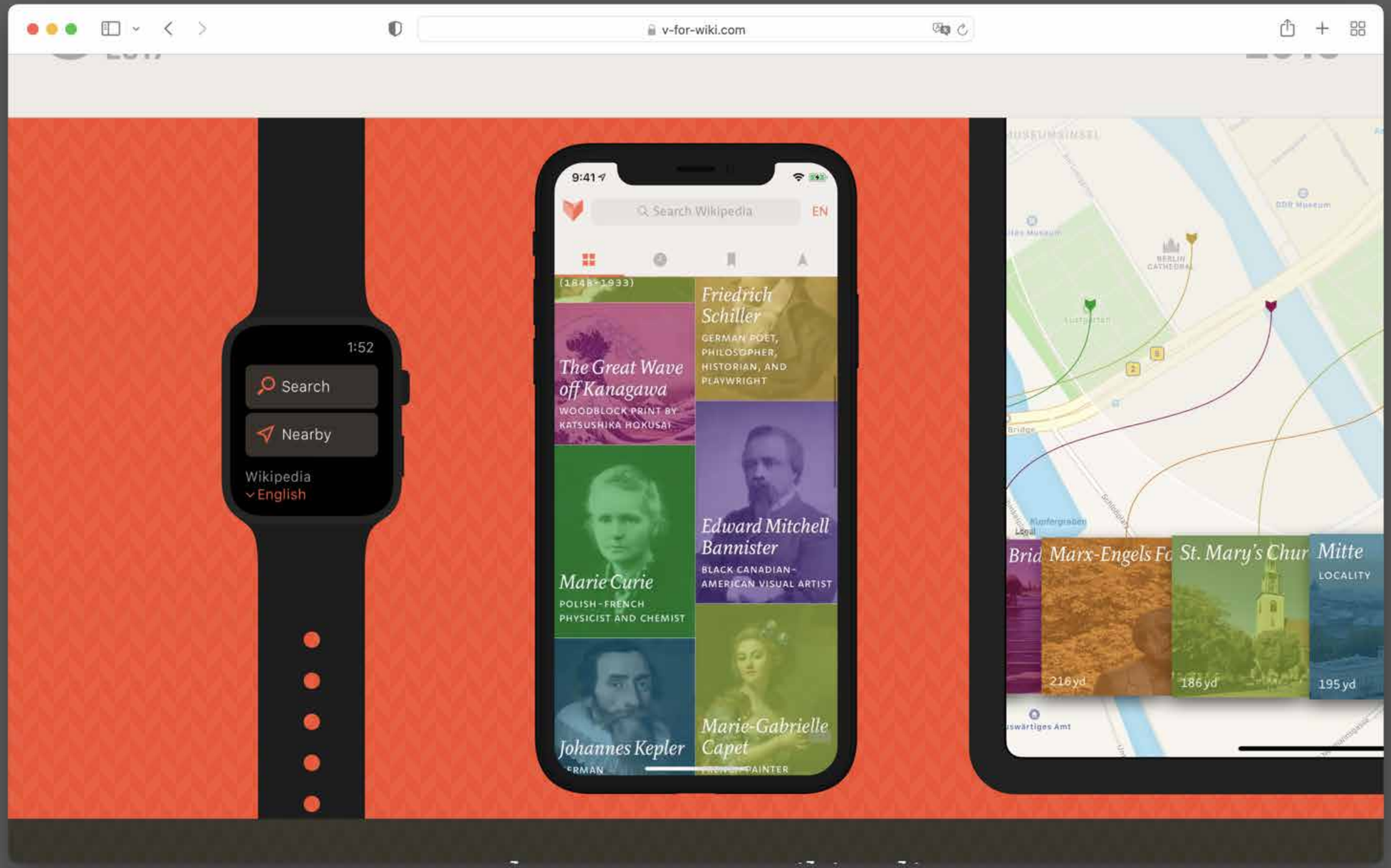
Read Wikipedia®, better than ever—on iPhone, iPad and Apple Watch. Discover the world and enjoy beautiful typography with this award-winning app.

GERMAN DESIGN AWARD GOLD 2017

Download on the App Store

App Store Best of 2016

Menü für „https://v-for-wiki.com“ anzeigen


v-for-wiki.com
1:52
Search
Nearby
Wikipedia
English
9:41
Search Wikipedia
EN
(1848–1933)
The Great Wave off Kanagawa
WOODBLOCK PRINT BY KATSUSHIKA HOKUSAI
Friedrich Schiller
GERMAN POET, PHILOSOPHER, HISTORIAN, AND PLAYWRIGHT
Marie Curie
POLISH–FRENCH PHYSICIST AND CHEMIST
Edward Mitchell Bannister
BLACK CANADIAN-AMERICAN VISUAL ARTIST
Johannes Kepler
Marie-Gabrielle Capet
Marx-Engels Fo
St. Mary's Chur
Mitte
LOCALITY
216 yd
186 yd
195 yd

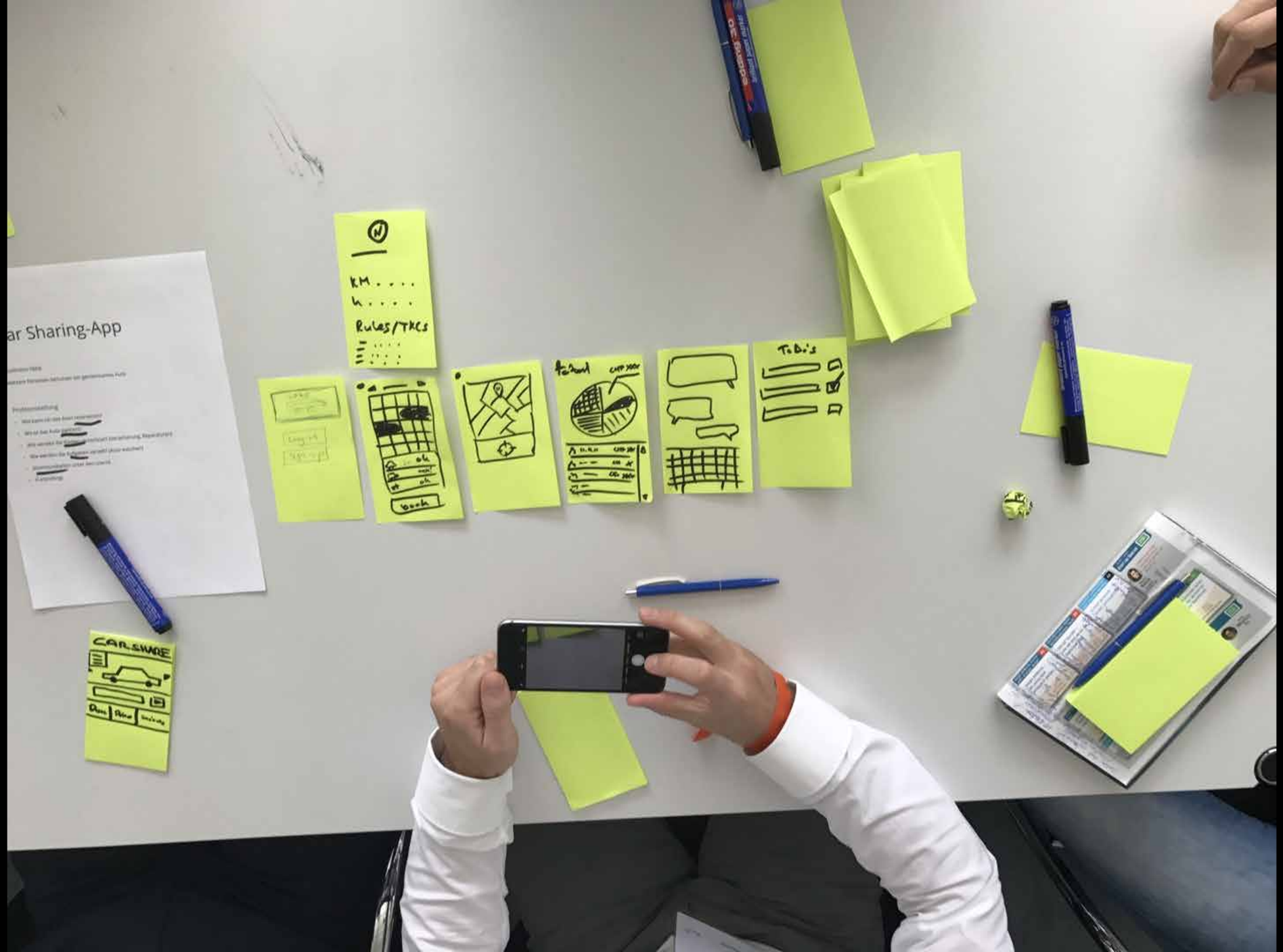
Wozu Prototyping?

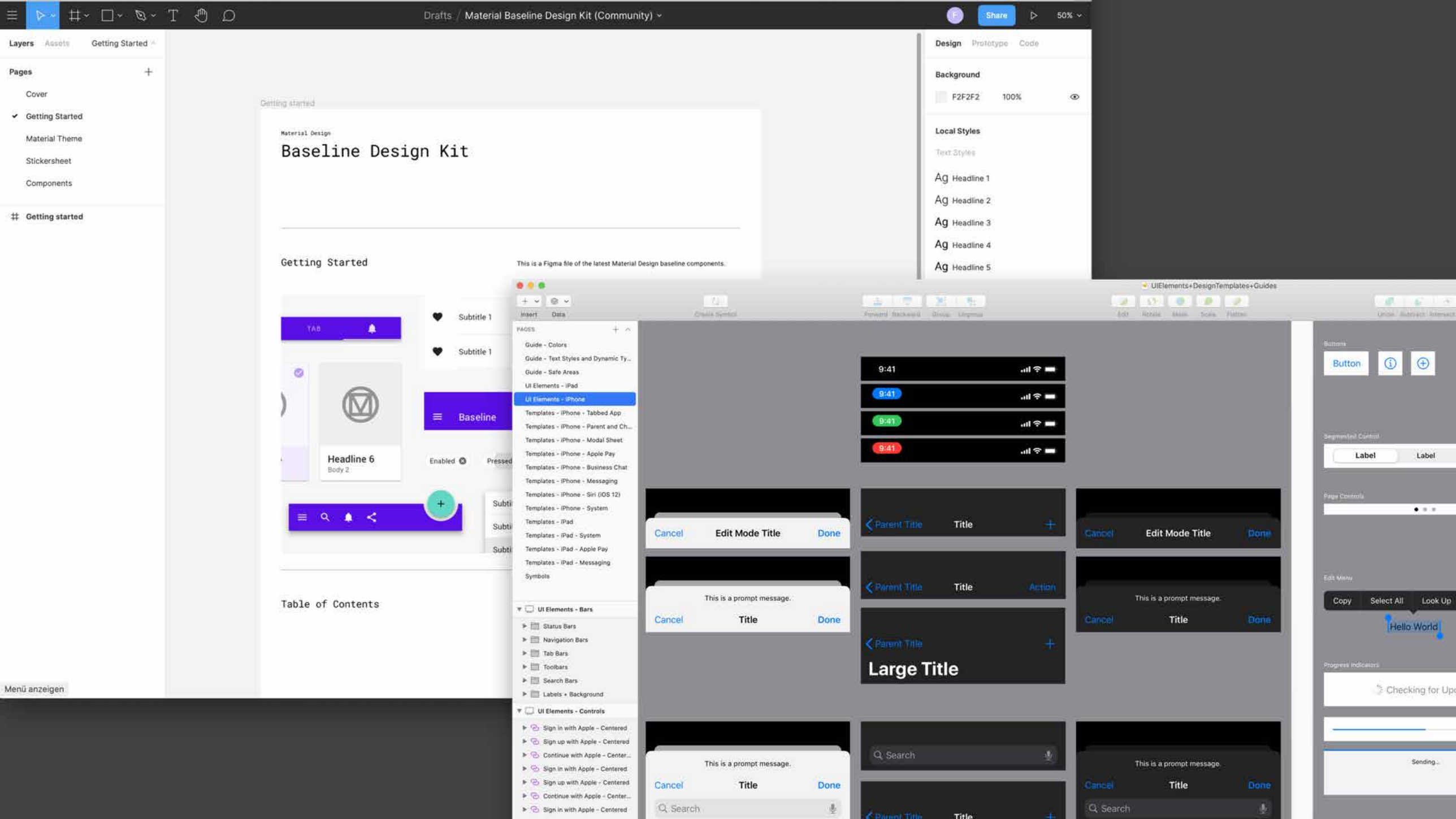
Wozu Prototyping?

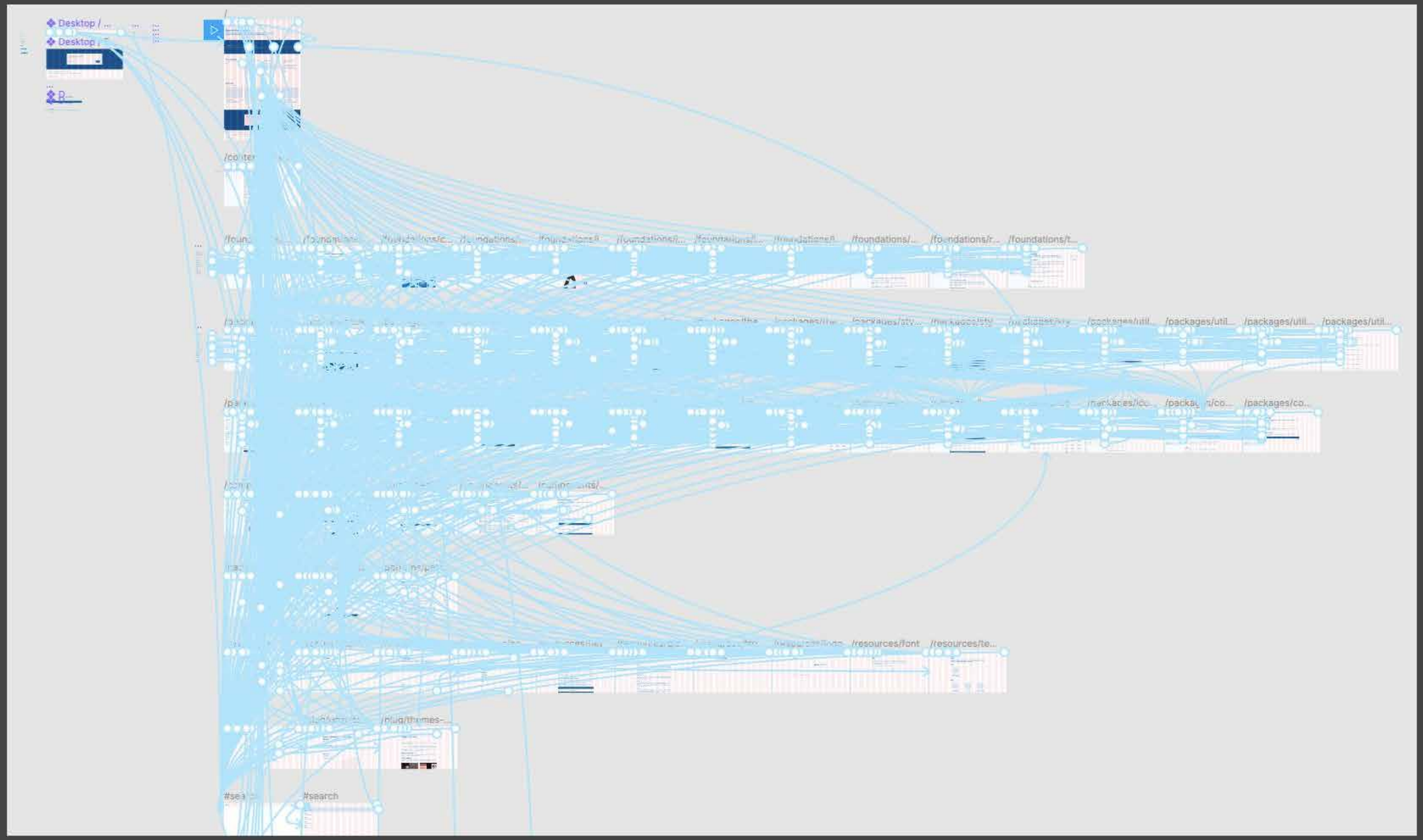
- Schneller und günstiger als Entwicklung
- Ideen und Konzepte validieren
- Verständnis von Text und Interface überprüfen

Wozu Prototyping?

- Peer Feedback
- Usability Test
- Stakeholder Review
- Entwicklungsvorlage


ar Sharing-App
KM . . . .
h . . . .
Rules/TACs
T.O.D.'s
CARSHARE


Drafts / Material Baseline Design Kit (Community)
Share
50%
Layers
Assets
Getting Started
Pages
Cover
Getting Started
Material Theme
Stickersheet
Components
Getting started
Design
Prototype
Code
Background
F2F2F2
100%
Local Styles
Text Styles
Ag Headline 1
Ag Headline 2
Ag Headline 3
Ag Headline 4
Ag Headline 5
Material Design
Baseline Design Kit
Getting Started
This is a Figma file of the latest Material Design baseline components.
Table of Contents
Subtitle 1
Subtitle 1
Baseline
Enabled
Pressed
Headline 6
Body 2
UIElements+DesignTemplates+Guides
Guide - Colors
Guide - Text Styles and Dynamic Ty...
Guide - Safe Areas
UI Elements - iPad
UI Elements - iPhone
Templates - iPhone - Tabbed App
Templates - iPhone - Parent and Ch...
Templates - iPhone - Modal Sheet
Templates - iPhone - Apple Pay
Templates - iPhone - Business Chat
Templates - iPhone - Messaging
Templates - iPhone - Siri (iOS 12)
Templates - iPhone - System
Templates - iPad
Templates - iPad - System
Templates - iPad - Apple Pay
Templates - iPad - Messaging
Symbols
UI Elements - Bars
Status Bars
Navigation Bars
Tab Bars
Toolbars
Search Bars
Labels + Background
UI Elements - Controls
Sign in with Apple - Centered
Sign up with Apple - Centered
Continue with Apple - Center...
Sign in with Apple - Centered
Sign up with Apple - Centered
Continue with Apple - Center...
Sign in with Apple - Centered
9:41
Cancel
Edit Mode Title
Done
Parent Title
Title
Action
This is a prompt message.
Large Title
Search
Buttons
Button
Segmented Control
Label
Label
Page Controls
Edit Menu
Copy
Select All
Look Up
Hello World
Progress Indicators
Checking for Up
Sending...
Menü anzeigen


Desktop /
Desktop
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/foundations/r...
/foundations/t...
/packages/util...
/packages/util...
/packages/util...
/packages/util...
/packages/co...
/resources/font
/resources/te...
#search

Icons und Touch Targets

Touch Targets

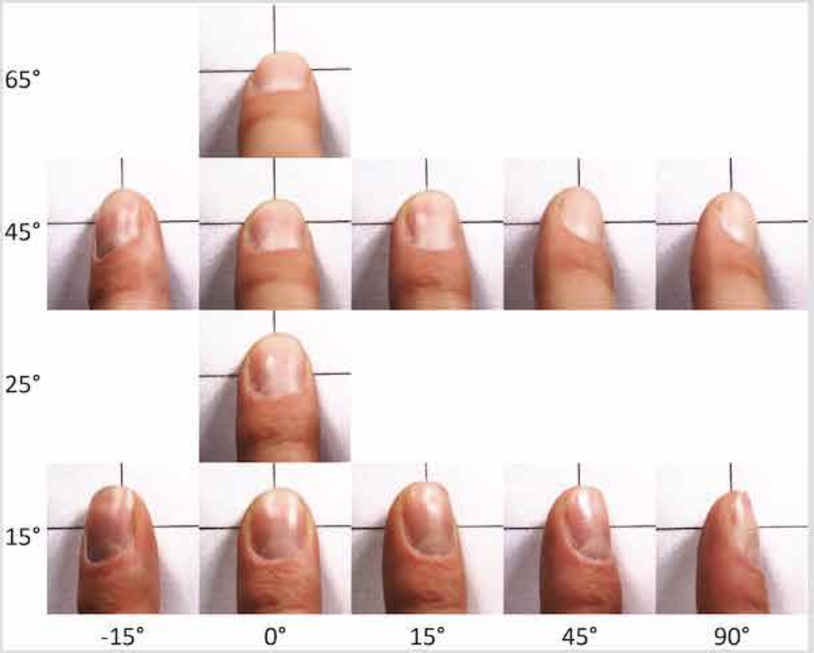
Interaktive Elemente sollten eine physische Mindestgrösse aufweisen, sodass diese einfach tippbar sind.

Empfehlungen sind je nach Betriebssystem unterschiedlich:

iOS
44 x 44 dp

Android
48 x 48 dp

Die Durchschnittsfingerspitze hat einen Durchmesser von 16–20 mm.



https://www.christianholz.net/understanding_touch.html

ing patches from four neighboring cross-sections. The hyperpatches, which are the 3-D equivalent of the patches, followed the same pattern as the patches in maintaining the layered structure of the model. Four neighboring cross-sections containing 30 patches each were combined into a slice of finite width containing 30 hyperpatches. Continuity in surface slopes was imposed on any two adjacent hyperpatches to ensure a smooth geometry suitable for the generation of higher order finite elements. It should be noted that the geometry definition was completely distinct from the finite-element mesh so as to test different meshing schemes. The specification of the material properties could also be selected independent of the geometry and the mesh definition.

Finite-element meshes were then generated by defining nodal points within the hyperpatches, using Patran software. Figure 4 shows a perspective view of the monkey and human fingertip models with the hidden lines removed. The model shown contains eight-node isoparametric elements for the fingertip and four-node membrane elements for the fingernail. The finite-element analyses were performed using Abaqus software (Pawtucket, RI). The boundary conditions were specified by rigidly fixing all the nodes corresponding to the nail portion of the finger, since the fingernail was always glued to the table in the biomechanical and neurophysiological experiments that the analysis simulated. Because of the irregular geometry of the fingertip and features that vary in size by orders of magnitude, together with the conflicting requirements of higher resolution and lower computational effort, an optimal meshing scheme was required. High spatial resolution was sought in the vicinity of the mechanoreceptors (generally the top 2 mm), so that spatial resolution finer than the receptor spacing in the actual fingertip could be obtained. The stimuli in all the biomechanical and neurophysiological experiments relevant to the analysis described here were delivered on the fingerpad. Hence, finer mesh size is required on the fingerpad skin (on the glabrous side) to accurately simulate the mechanistic interaction of the fingertip with various indentors used in the experiments. Also, it is desirable to have elements with aspect ratio close to unity in the region where loads are prescribed and the region where the stress-state is computed. Custom programs were written in the Patran Command Language to test various meshing schemes that allowed the mesh to be varied in the radial and axial direction, while

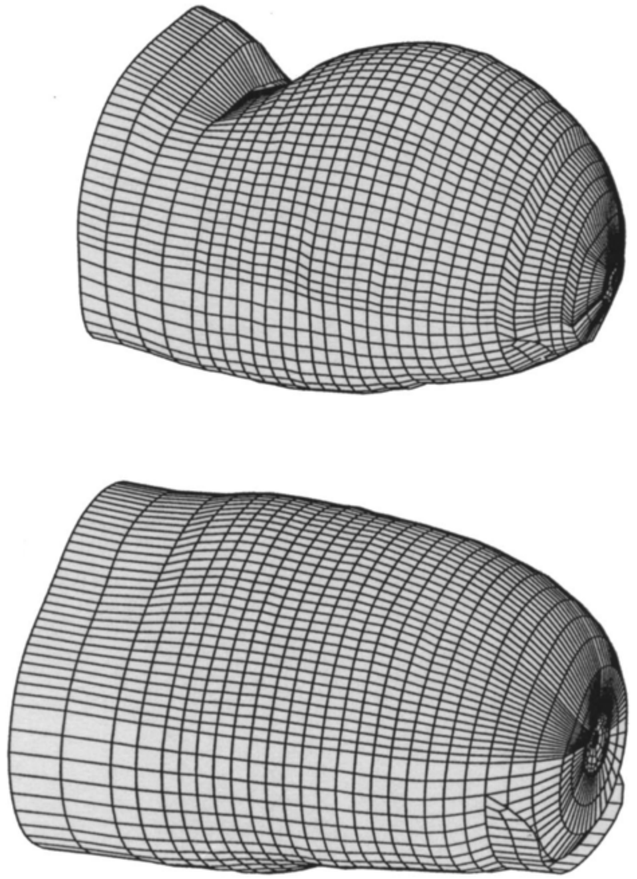
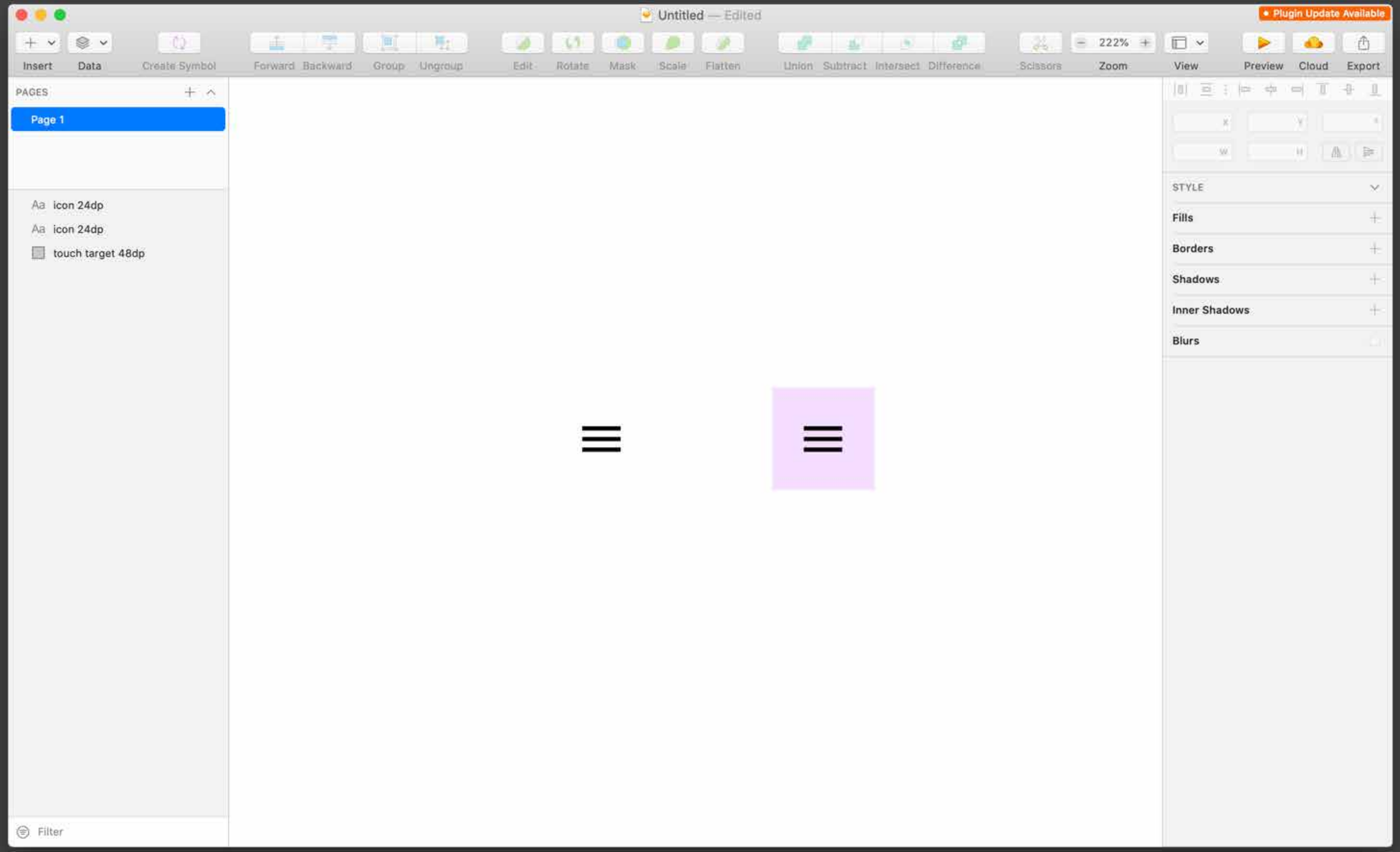


Fig. 4 3-D view of the monkey (top) and human (bottom) fingertip meshes along with the nail. The hidden lines are removed for clarity. The scale is not the same for the two fingertips (monkey fingertip width ~8–10 mm; human fingertip width ~16–20 mm).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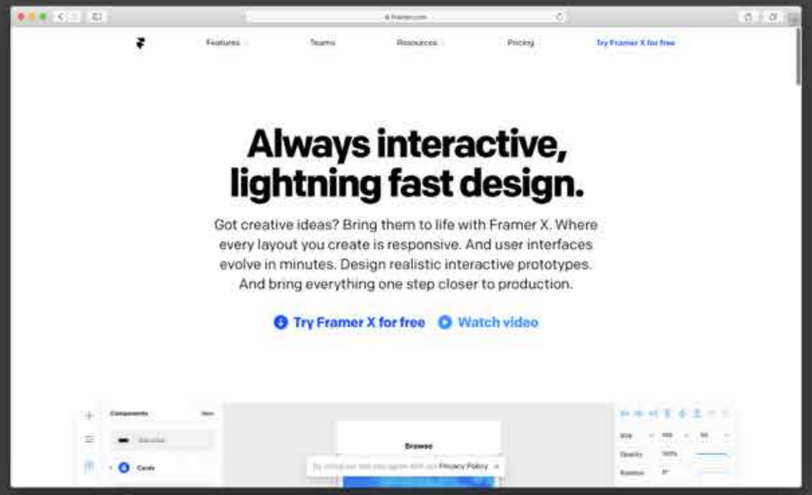
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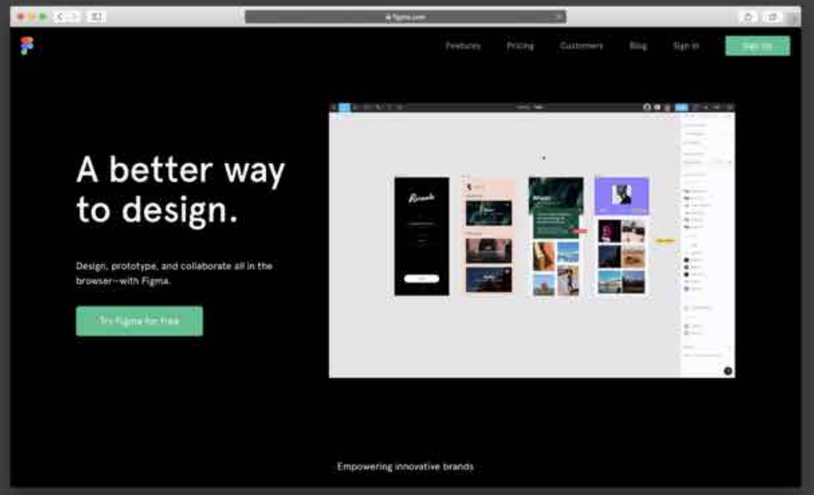
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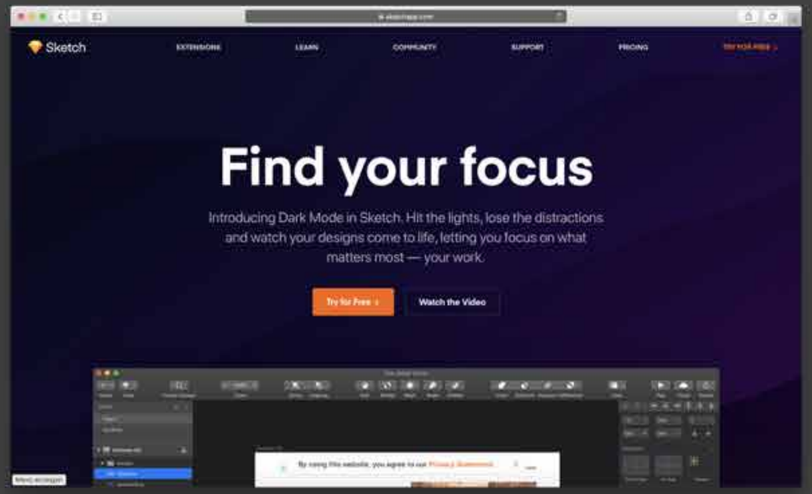
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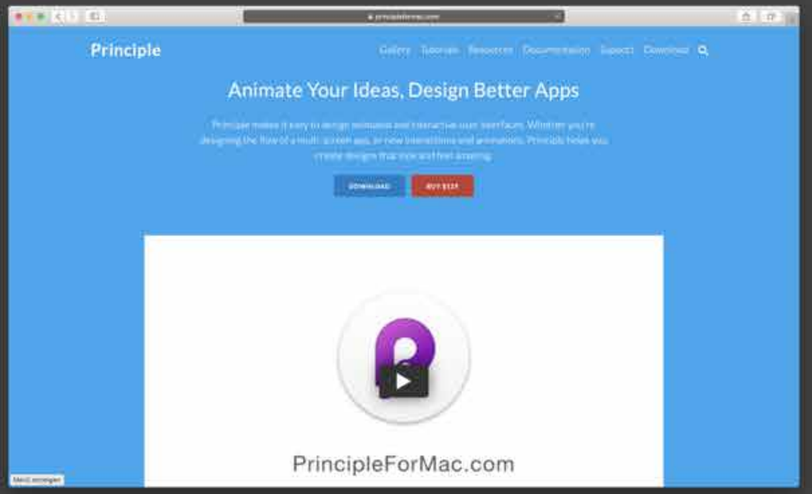
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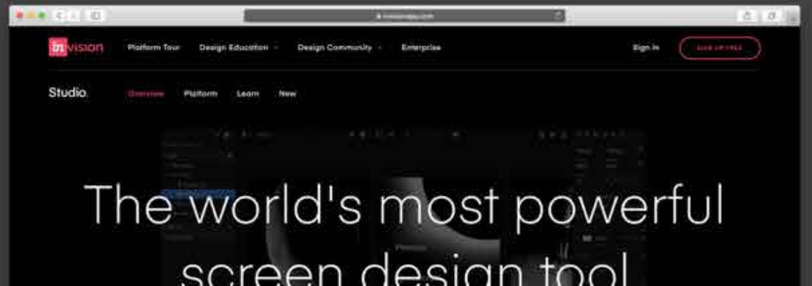
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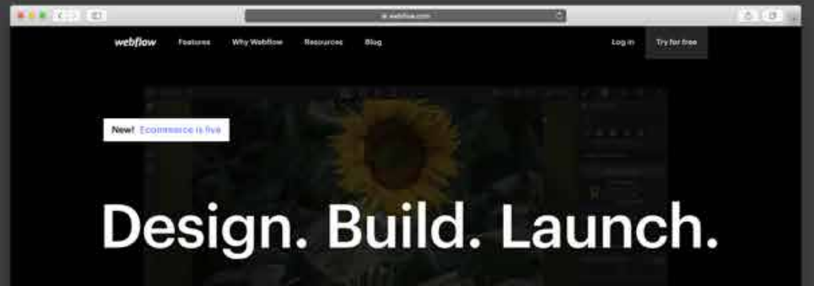
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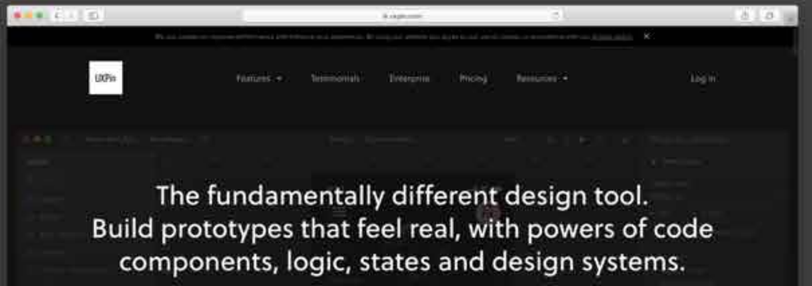
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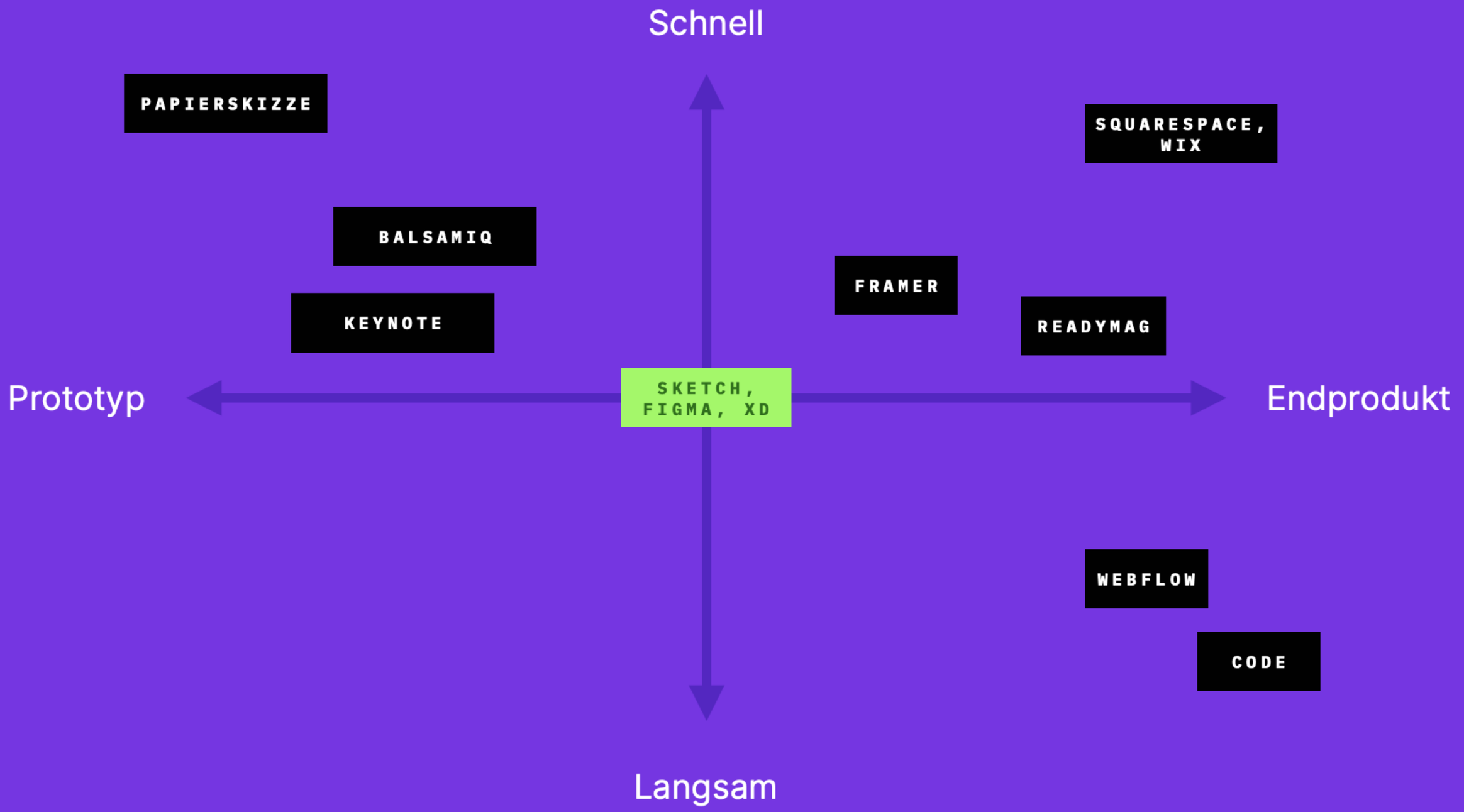
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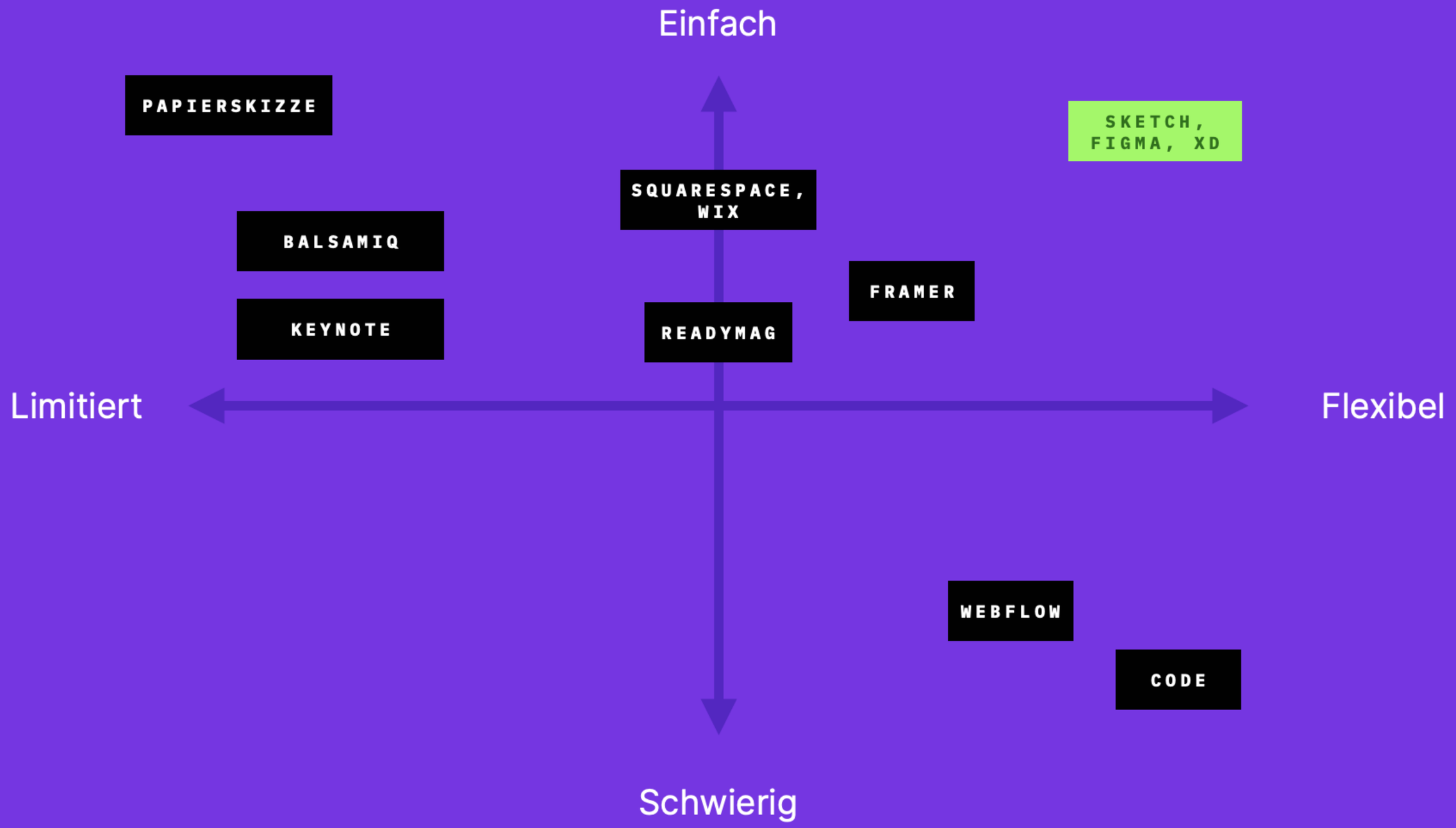
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