

STUDIEPRAKTIK

MULTIMEDIEDESIGNER

ERHVERVSAKADEMI AARHUS
BUSINESS ACADEMY AARHUS



A close-up portrait of a young woman with long, wavy blonde hair. She is smiling warmly at the camera, showing her teeth. Her eyes are light-colored. The background is dark and slightly out of focus.

TAG EN VIDEREGÅENDE UDDANNELSE PÅ

ERHVERVSAKADEMI AARHUS
BUSINESS ACADEMY AARHUS

[youtube.com/watch?v=kVkmI-HcoU](https://www.youtube.com/watch?v=kVkmI-HcoU)

I kommer til at møde



Maria Louise Bendixen

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UX og Content



Marlene Ahlgreen Jensen

maj@eaaa.dk

Design



Rasmus Cederdorff

race@eaaa.dk

Programmering

MARLENE
AHLGREEN JENSEN

DESIGNUNDERVISER SIDEN
2008

PASSIONERET OMKRING AT
TEGNE, FARVER,
TYPOGRAFI & ANIMATIONER

“ALLE KAN LÆRE AT
TEGNE”





PROGRAM ONSDAG

- Godmorgen og velkommen
- Lær hinanden at kende
- Introduktion til MDU & rundvisning
- Design på MDU
- Case opstart
- Frokost 11.30-12.30
- 12.30 Fælles oplæg i den store kantine Sønderhøj 30
- 13.10-14.00 UX/UI på MDU ved Maria Louise Bendixen
- 14.30 Frivillig aktivitet



FRIVILLIG
AKTIVITET
ONSDAG

14.30: Rundtur i Aarhus C

Afslutning på Aarhus
Streetfood hvor
Erhvervsakademiet giver mad

Mødested: udenfor
indgangen Sønderhøj 30

- Interaktion på MDU
- Casearbejde / Besøg af nuværende studerende fra 3. semester
- Frokost
- Besøg af nuværende studerende fra 3. semester
- Afrunding og præsentation af casearbejde



E T G L I M T A F M D U



FORMÅL

... at stifte bekendskab med uddannelsen,
hvad en multimediedesigner er, og hvilke
værktøjer multimediedesigneren bruger

LOKATIONER



Erhvervsakademi Aarhus
Sønderhøj 30, 8260 Viby J



Erhvervsakademi Aarhus
Ringvej Syd 104, 8260 Viby J



Erhvervsakademi Aarhus
Sønderhøj 7G, 8260 Viby J





FACILITETER

- Basement & Tutoraktiviteter
- Bibliotek
- Boghandel - Factum Books
- Internationalt Kontor
- Kantine
- Karrierecenter – kurser og vejledning
- Samarbejde med erhvervslivet
- Studievejledning

MULTIMEDIEDESIGNERUDDANNELSEN

DESIGN & PROGRAMMERING

AF

DIGITALE BRUGERGRÆNSEFLADER & DIGITALT INDHOLD

MULTIMEDIEDESIGNERUDDANNELSEN

... UDVIKLING OG IMPLEMENTERING AF DIGITALE
BRUGEROLEVELSER, DIGITALT DESIGN OG
PROGRAMMERING

MULTIMEDIEDESIGNERUDDANNELSEN

... SKABE MULTIMEDIE PRODUKTIONER, DIGITALE
BRUGERGRÆNSEFLADER OG BRUGEROPLEVELSER I ALLE
AFSKYGNINGER

API

Data

Visueltdesign

Multimediedesign

Web Apps

3D-oplevelser

SoMe

Apps

Content

Webshops

Spil

AR & VR

Websites

Glem ikke... -10% på dit køb. Tilmeld dig her! ❤

VERO MODA®

Søg



Nyheder

Tøj

Trending Now

AWARE

Curve & Plus Size

VERO MODA Girl

Ventetøj

SOMETHINGNEW

SALE

Most Wanted

VERO MODA Club

Party Season



NYHEDER

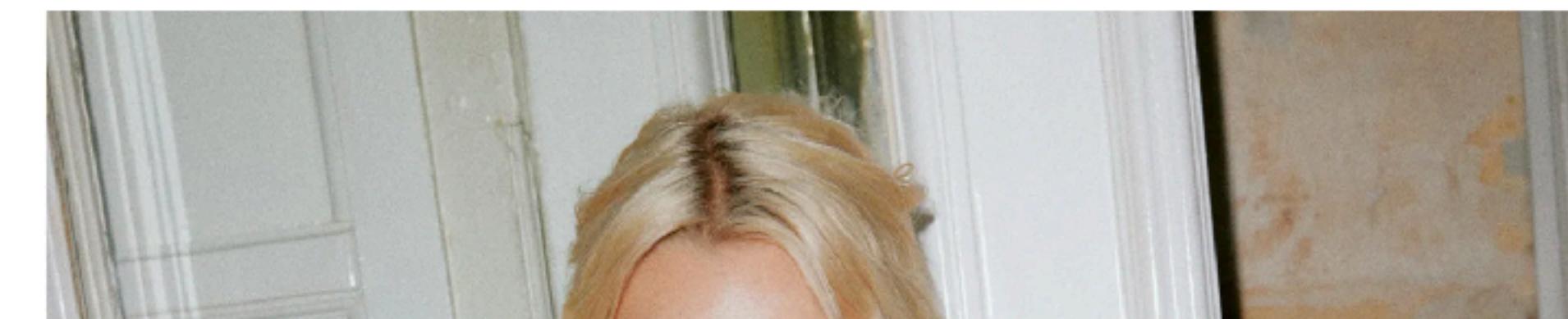
shop nu

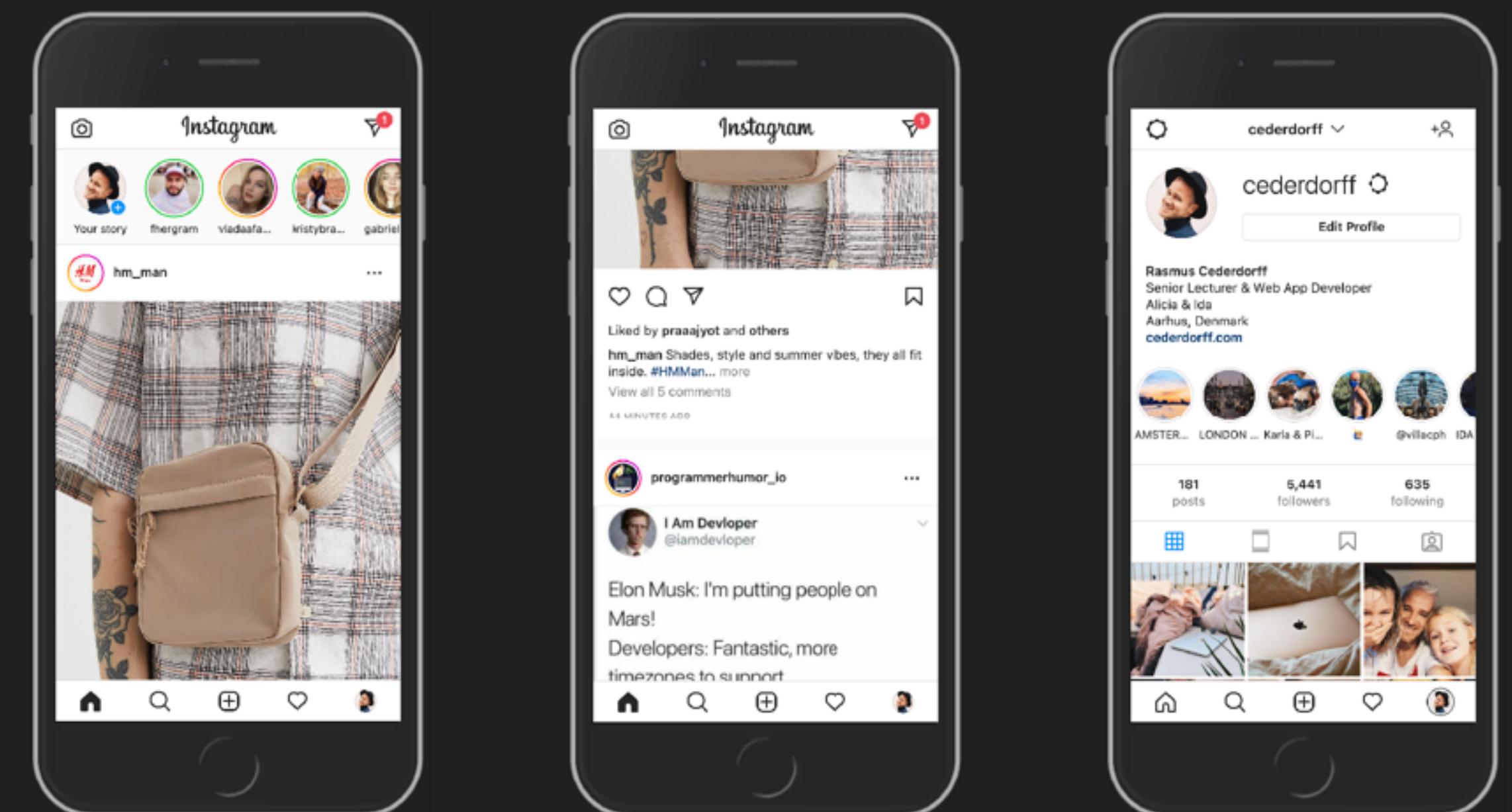
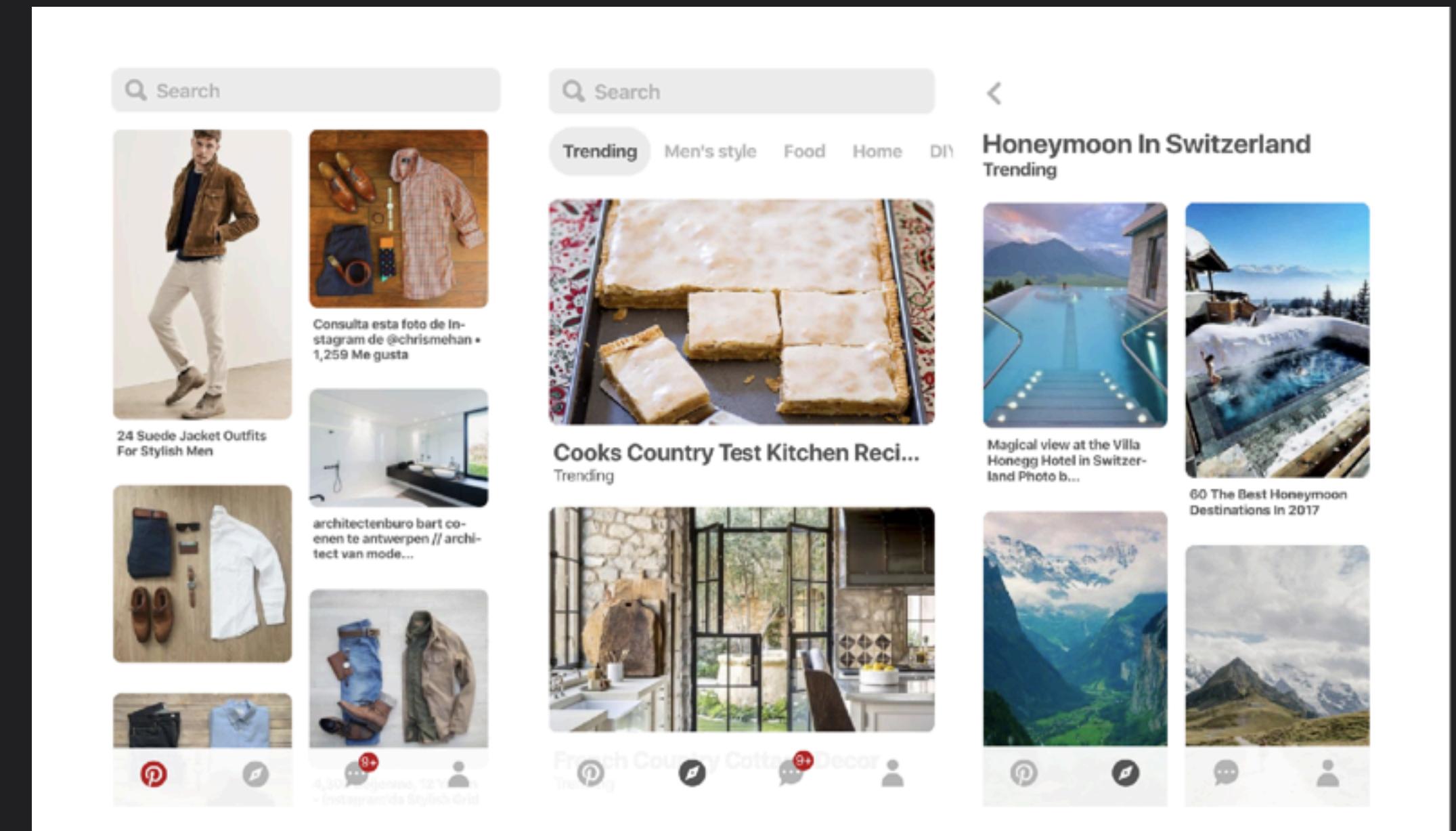
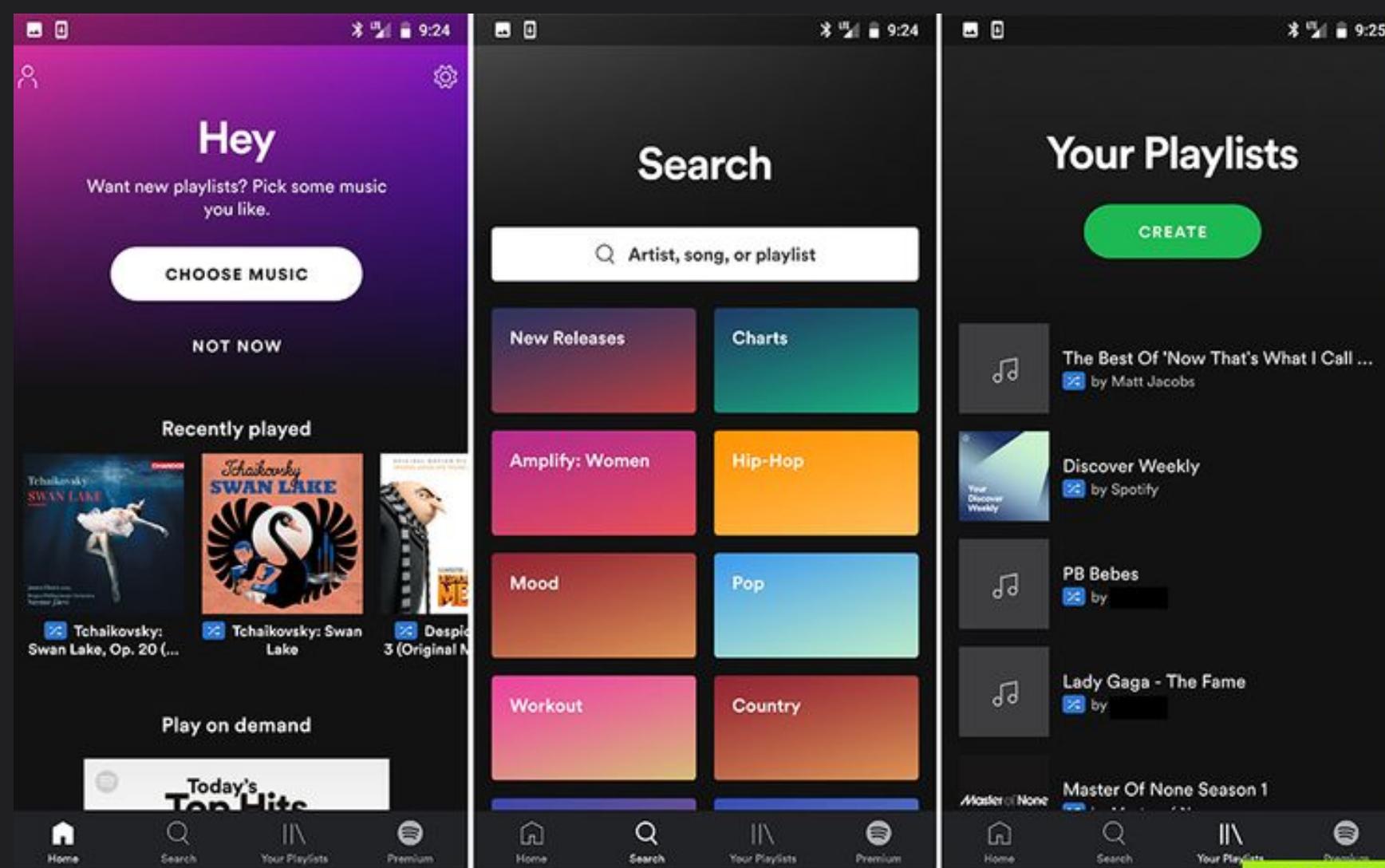
JAKKER

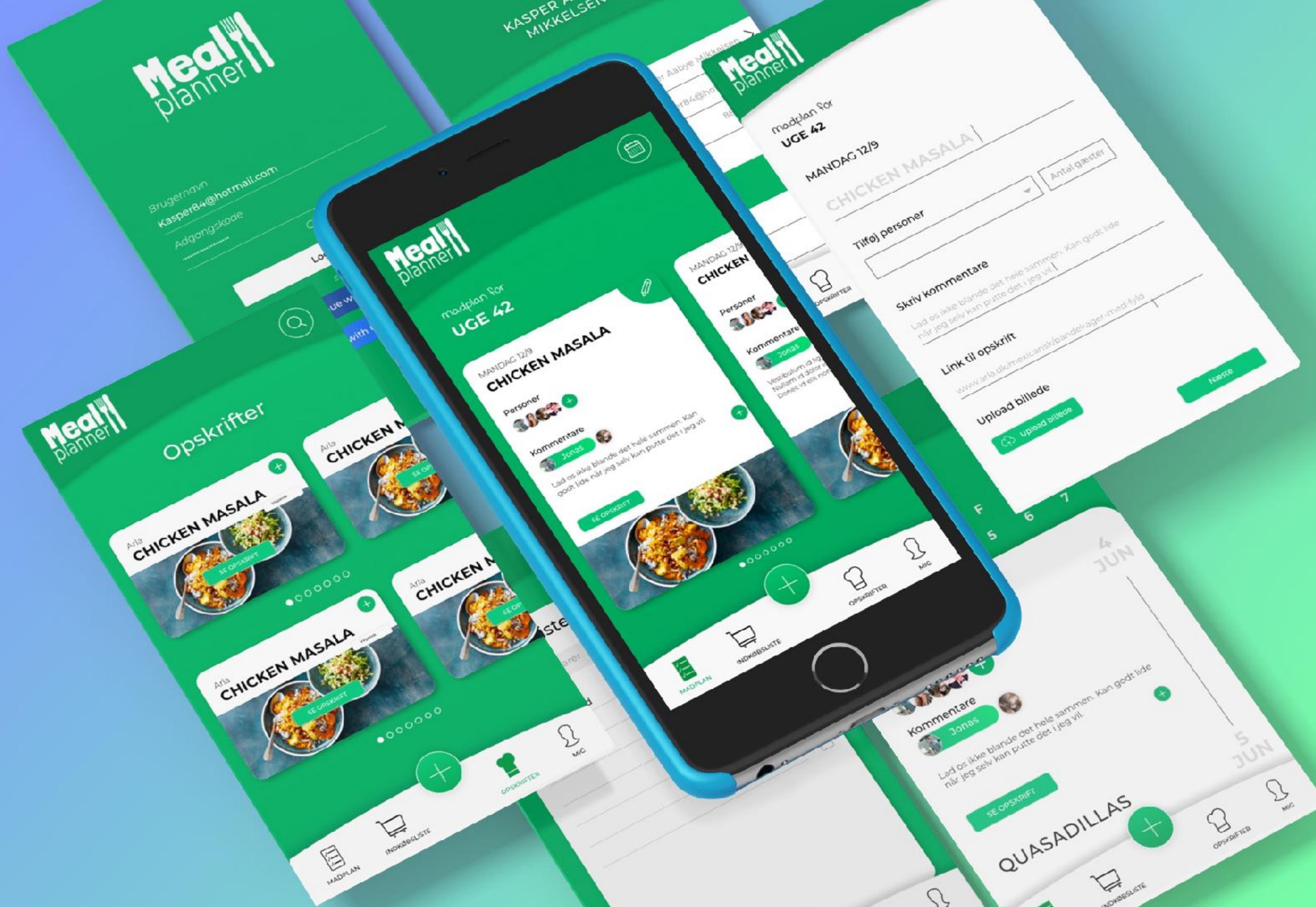
JEANS

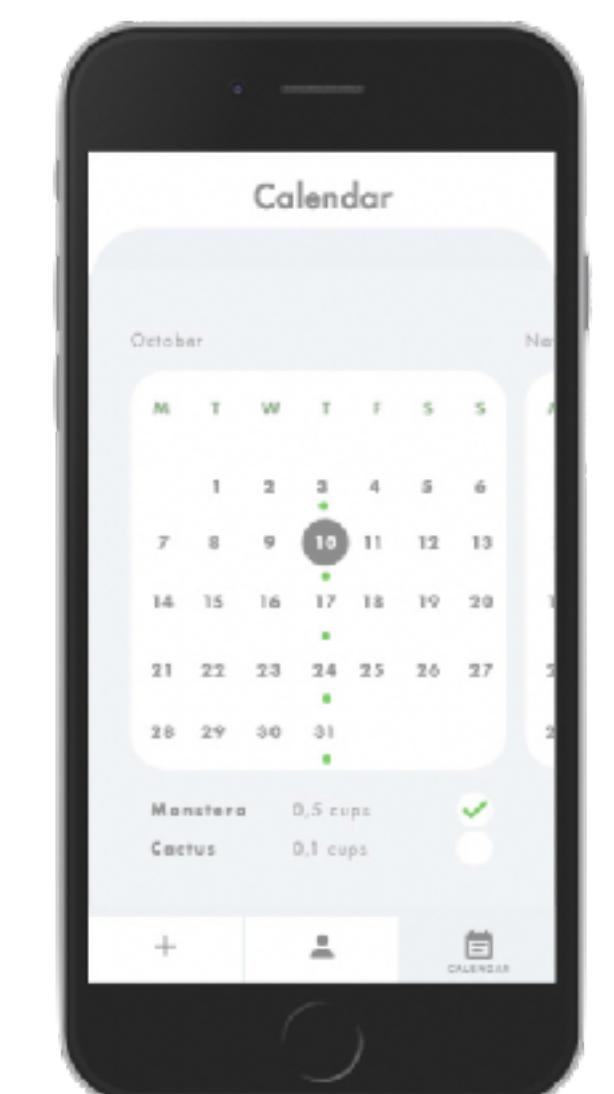
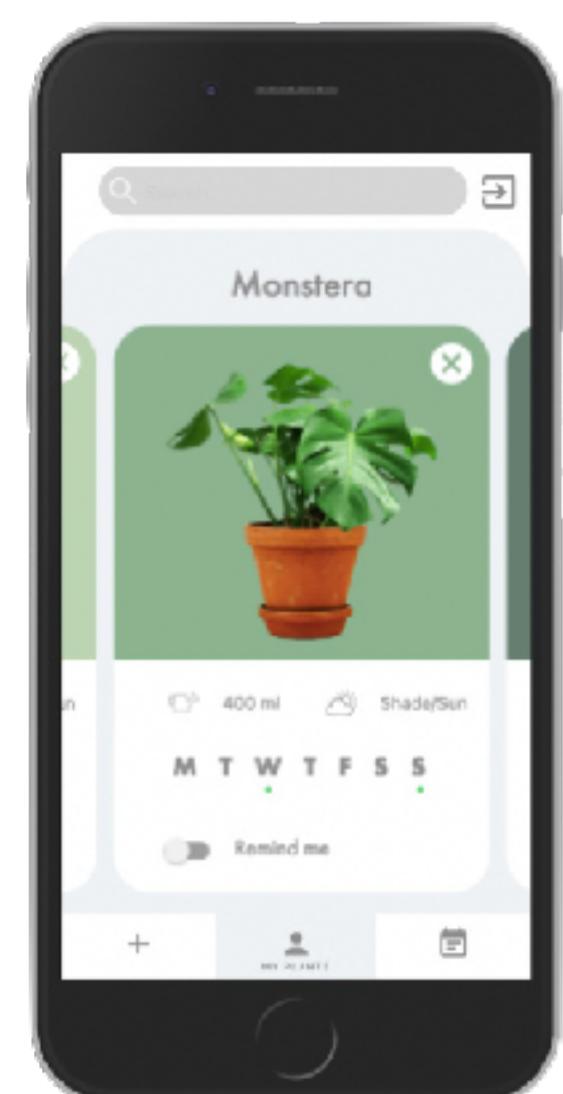
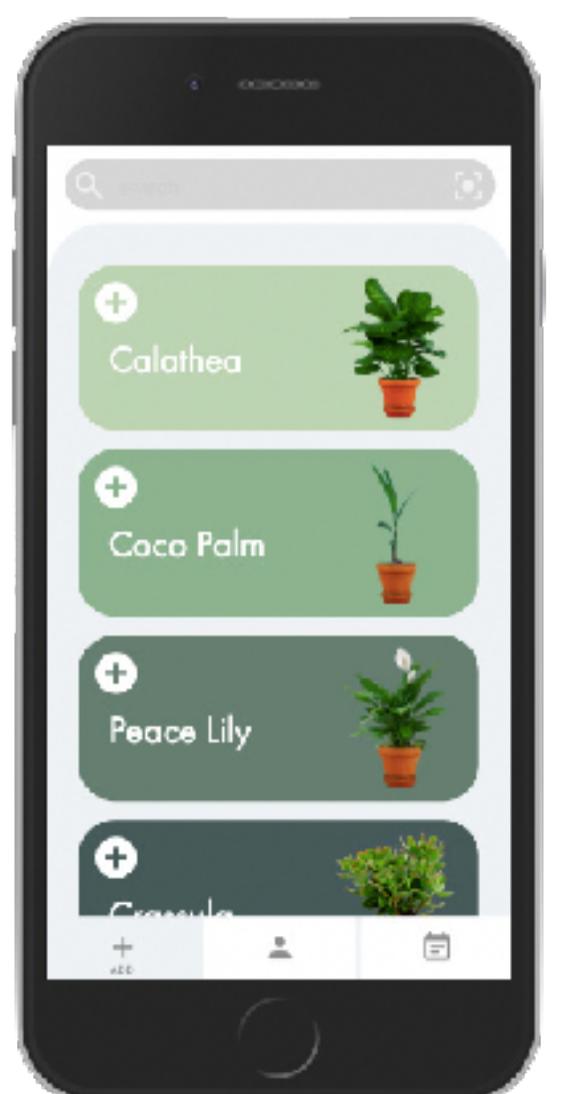
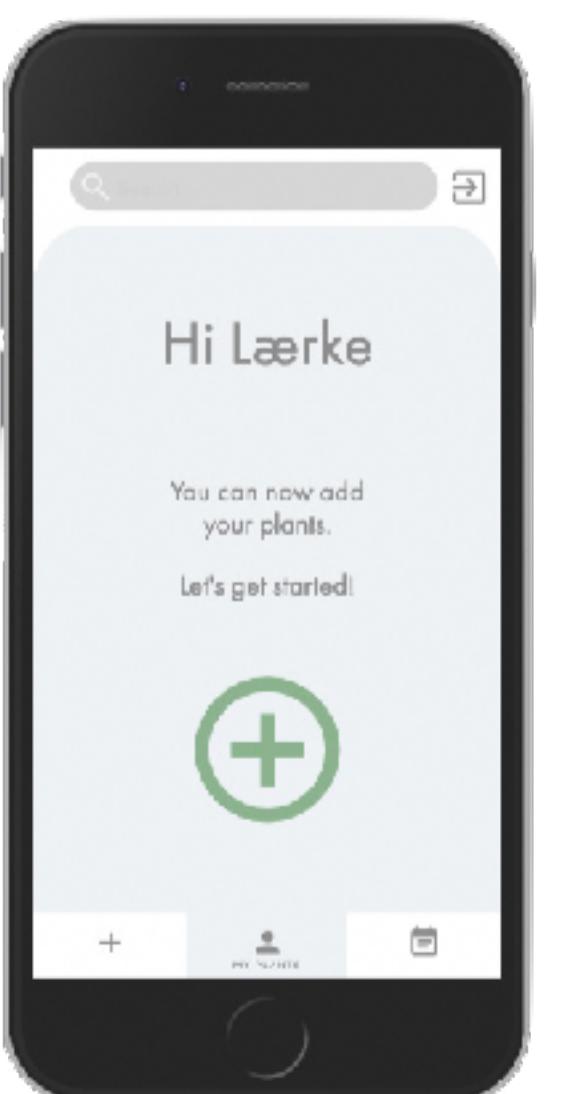
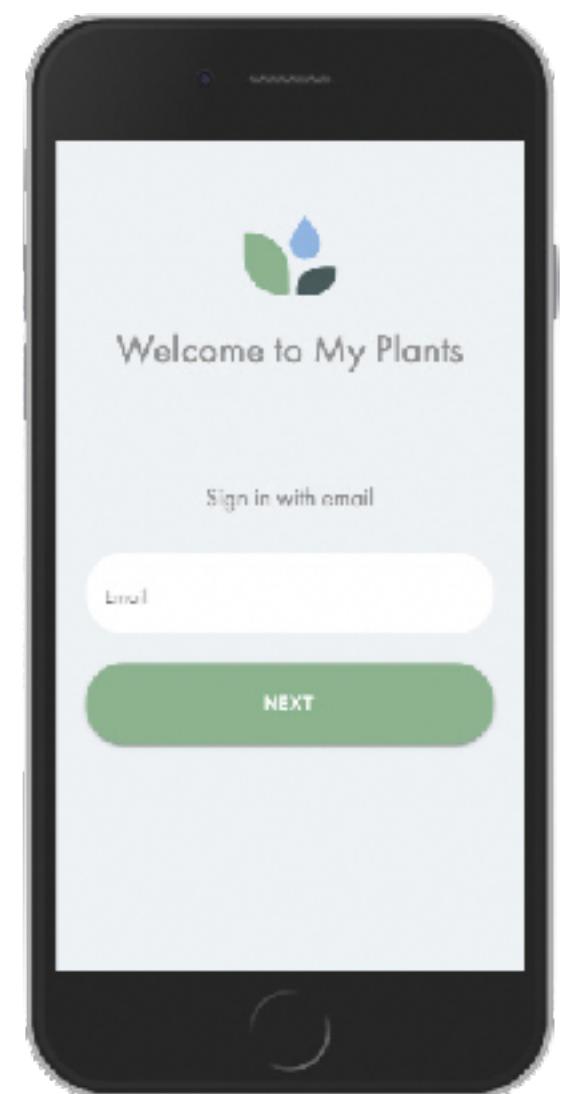
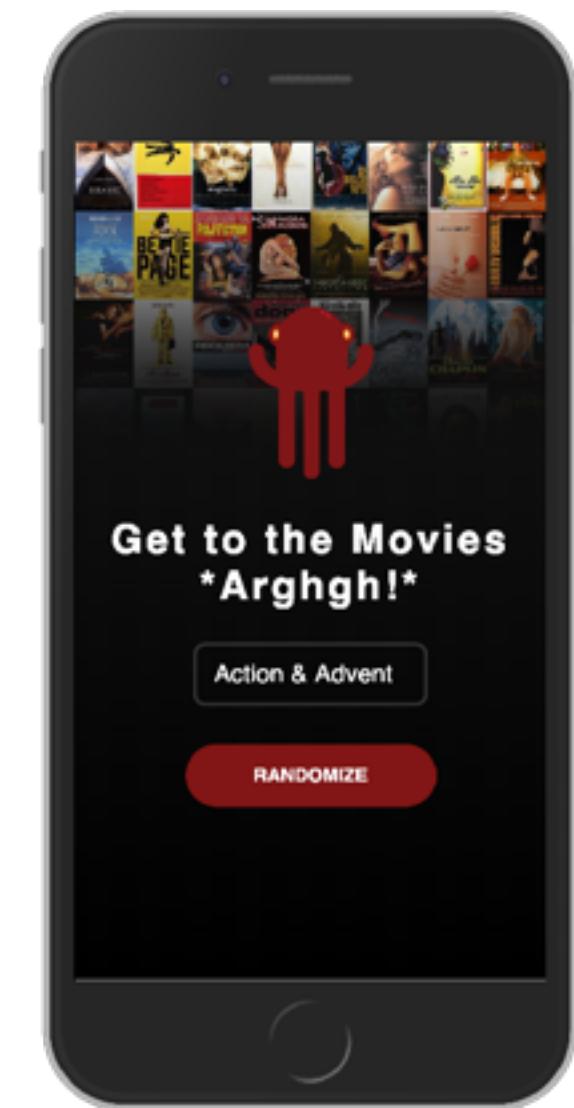
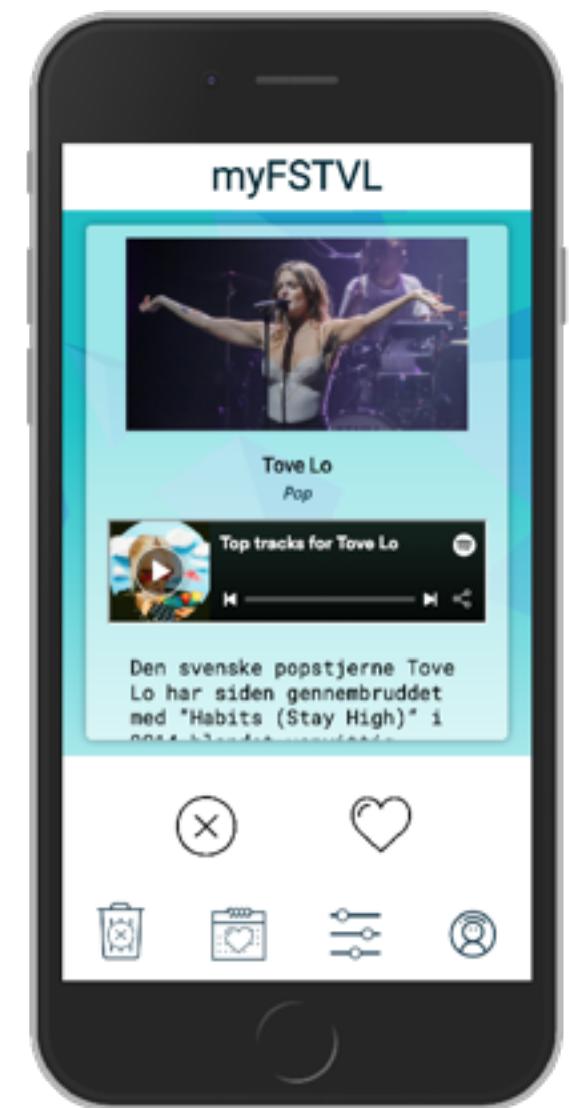
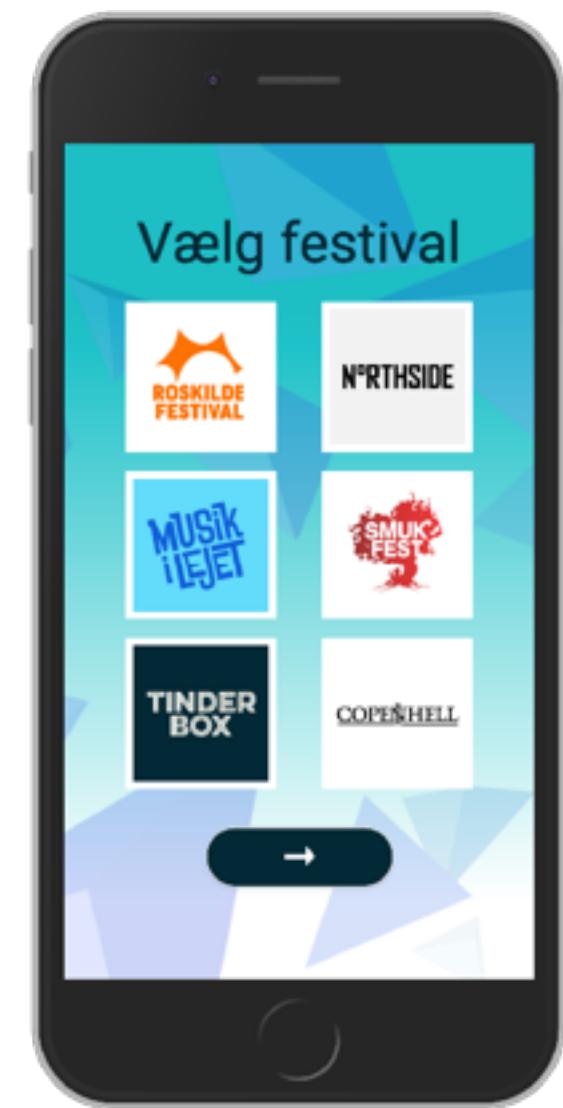
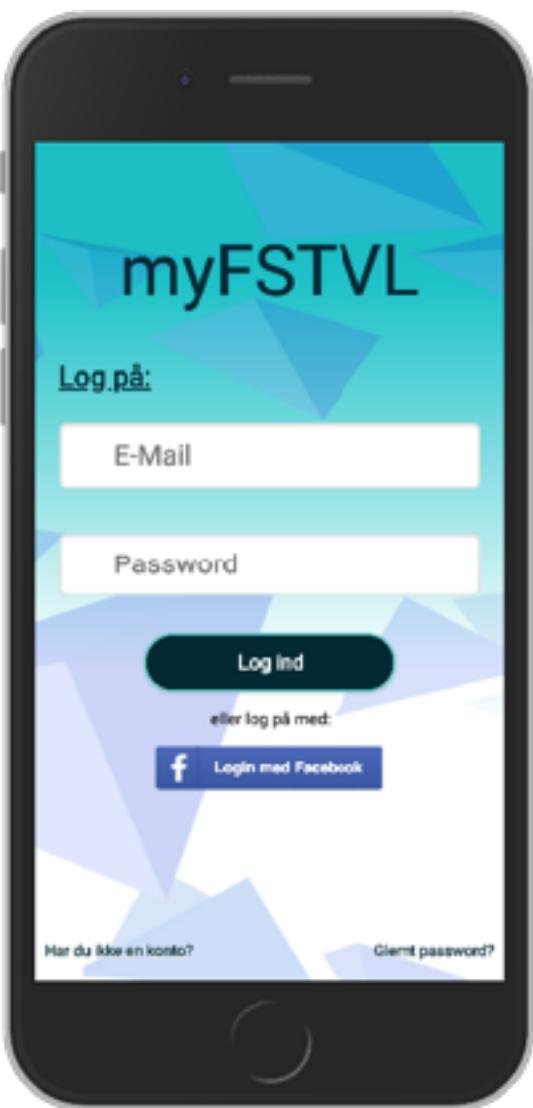
STRIK

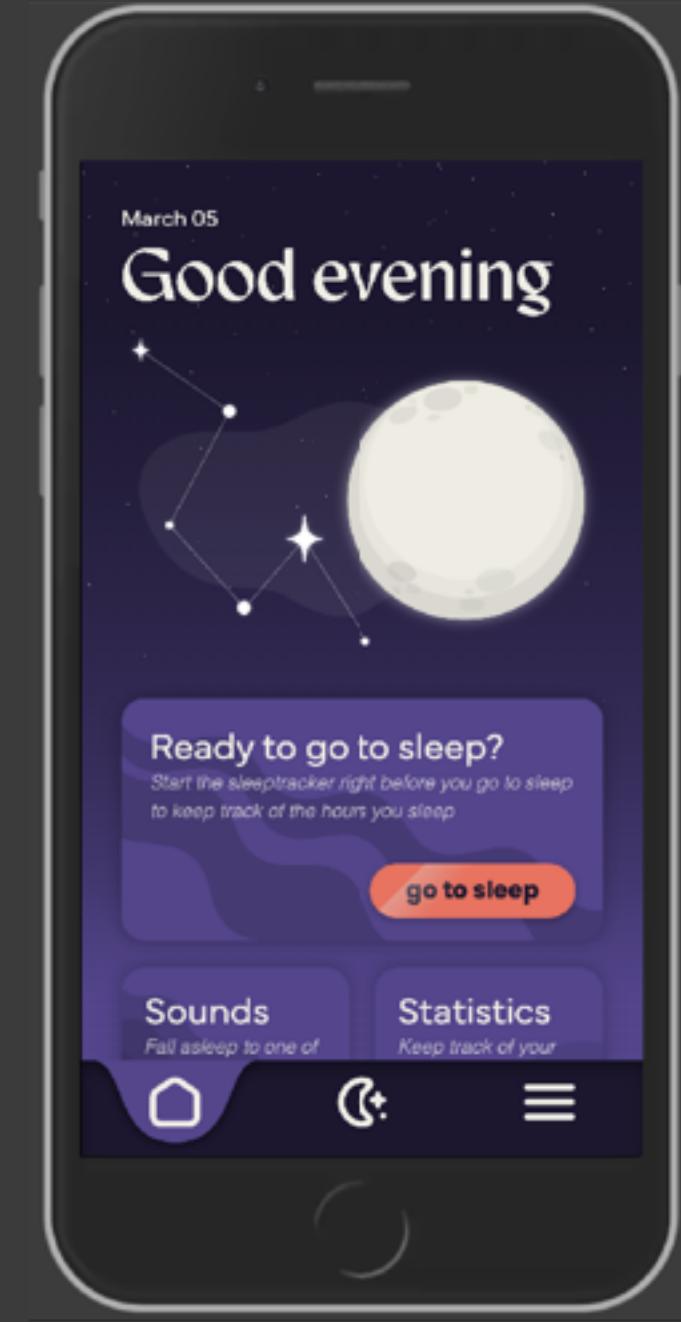
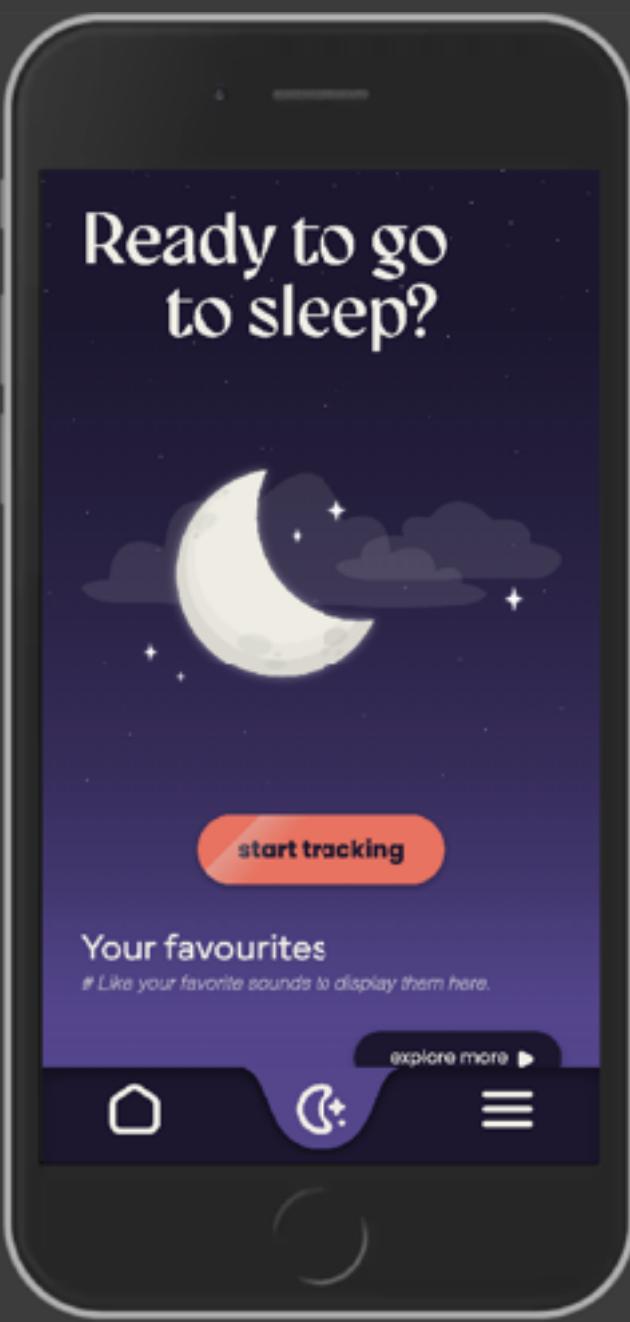
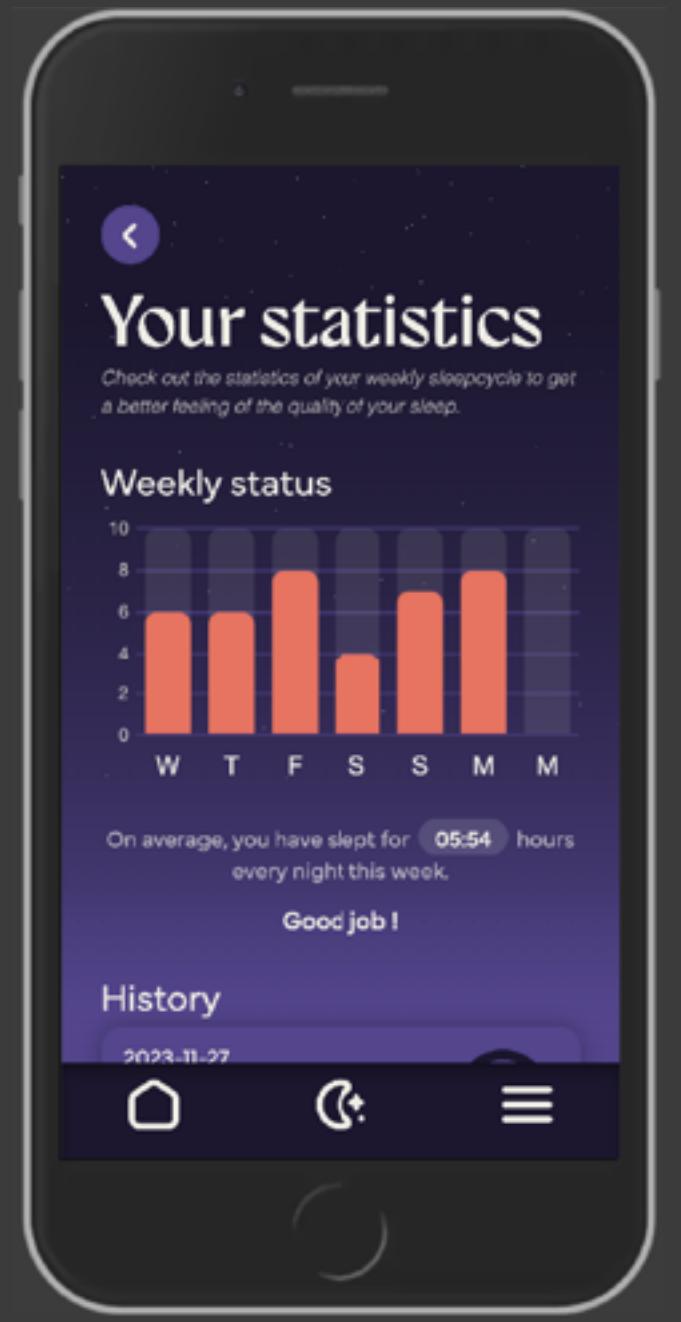
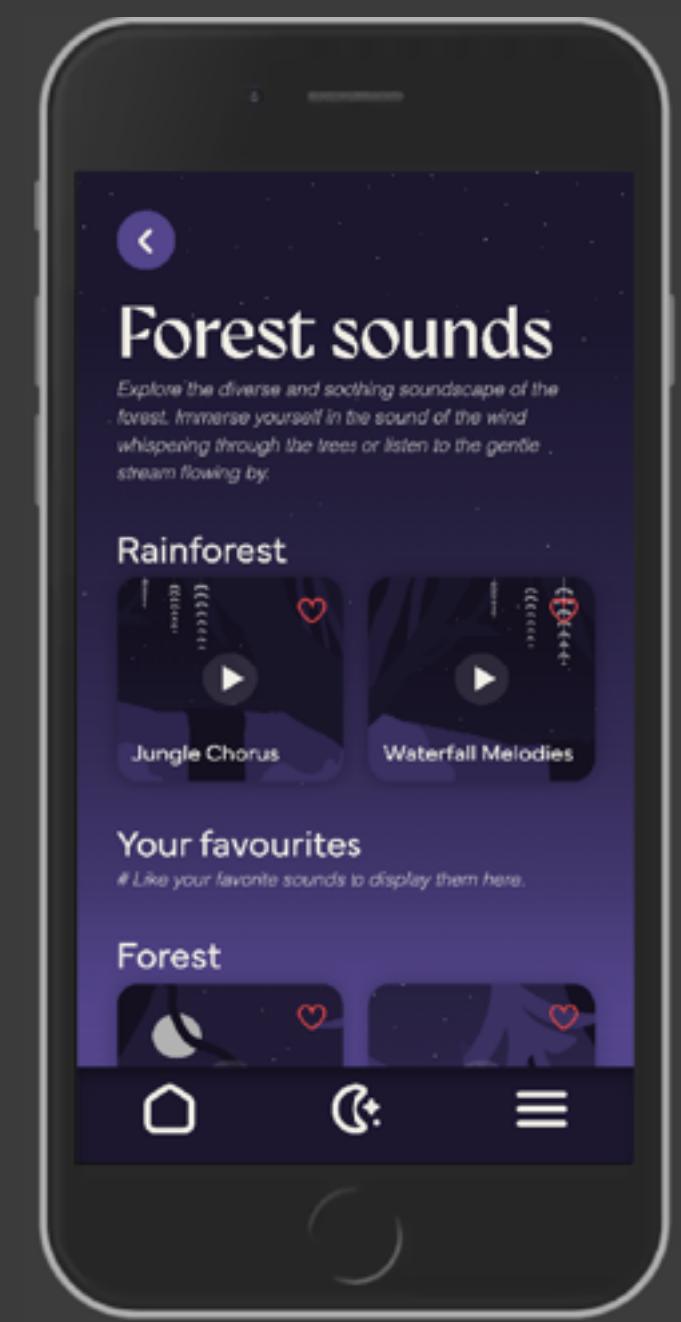
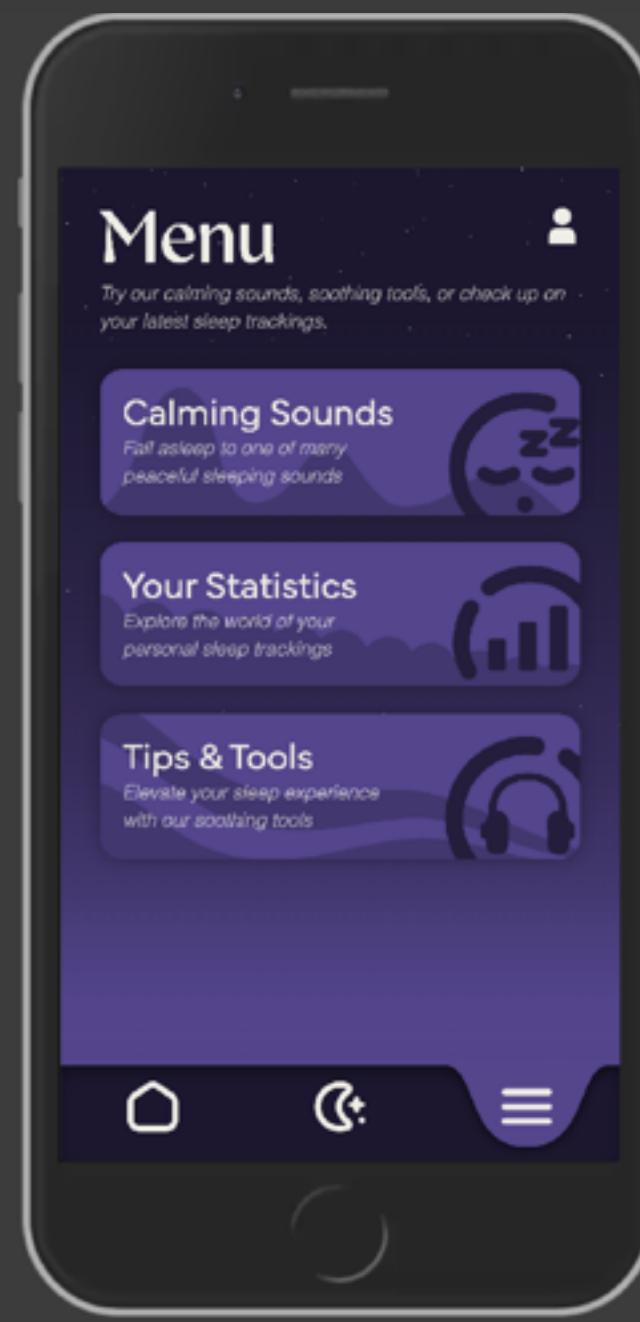
KJOLER

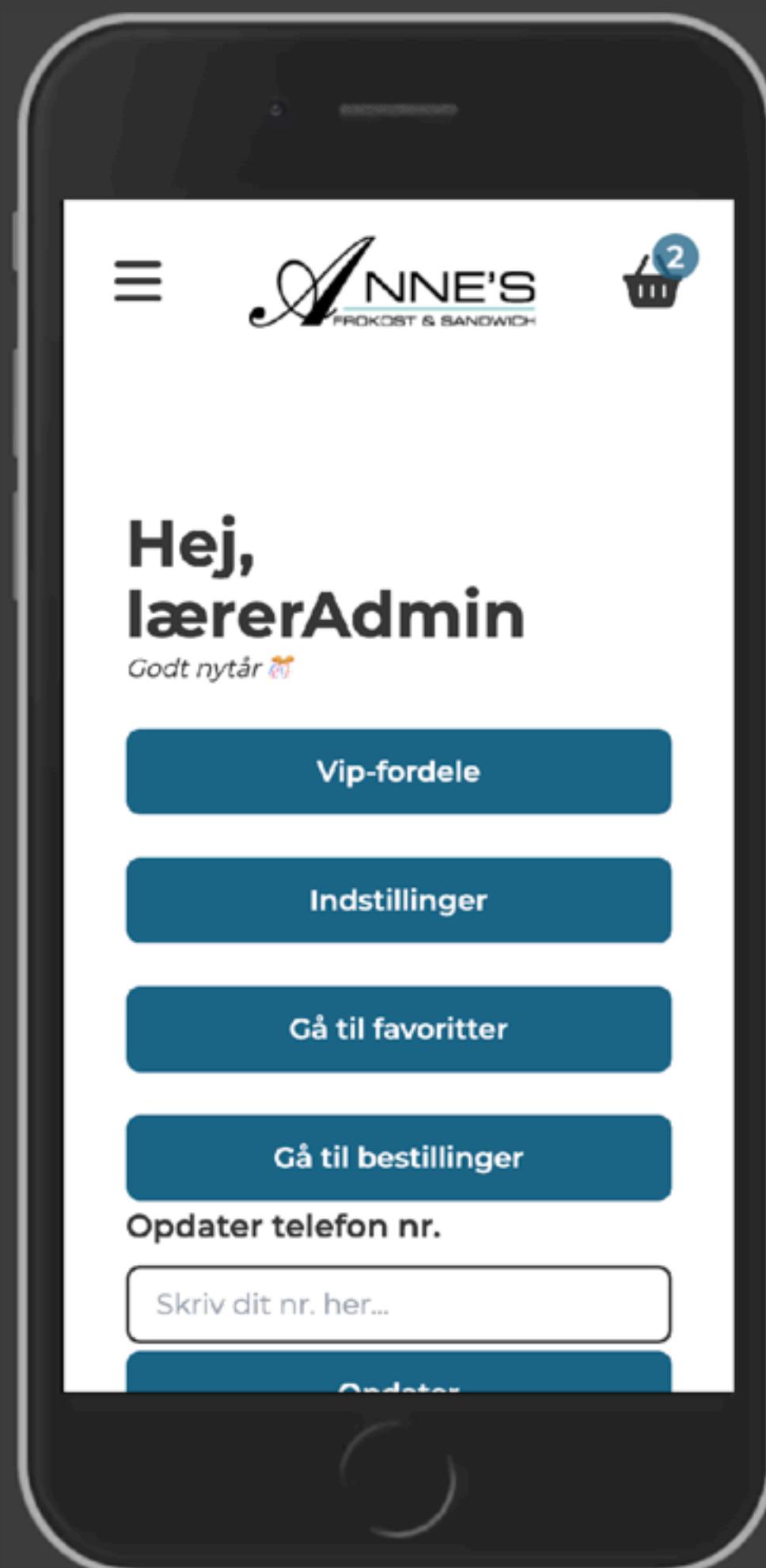
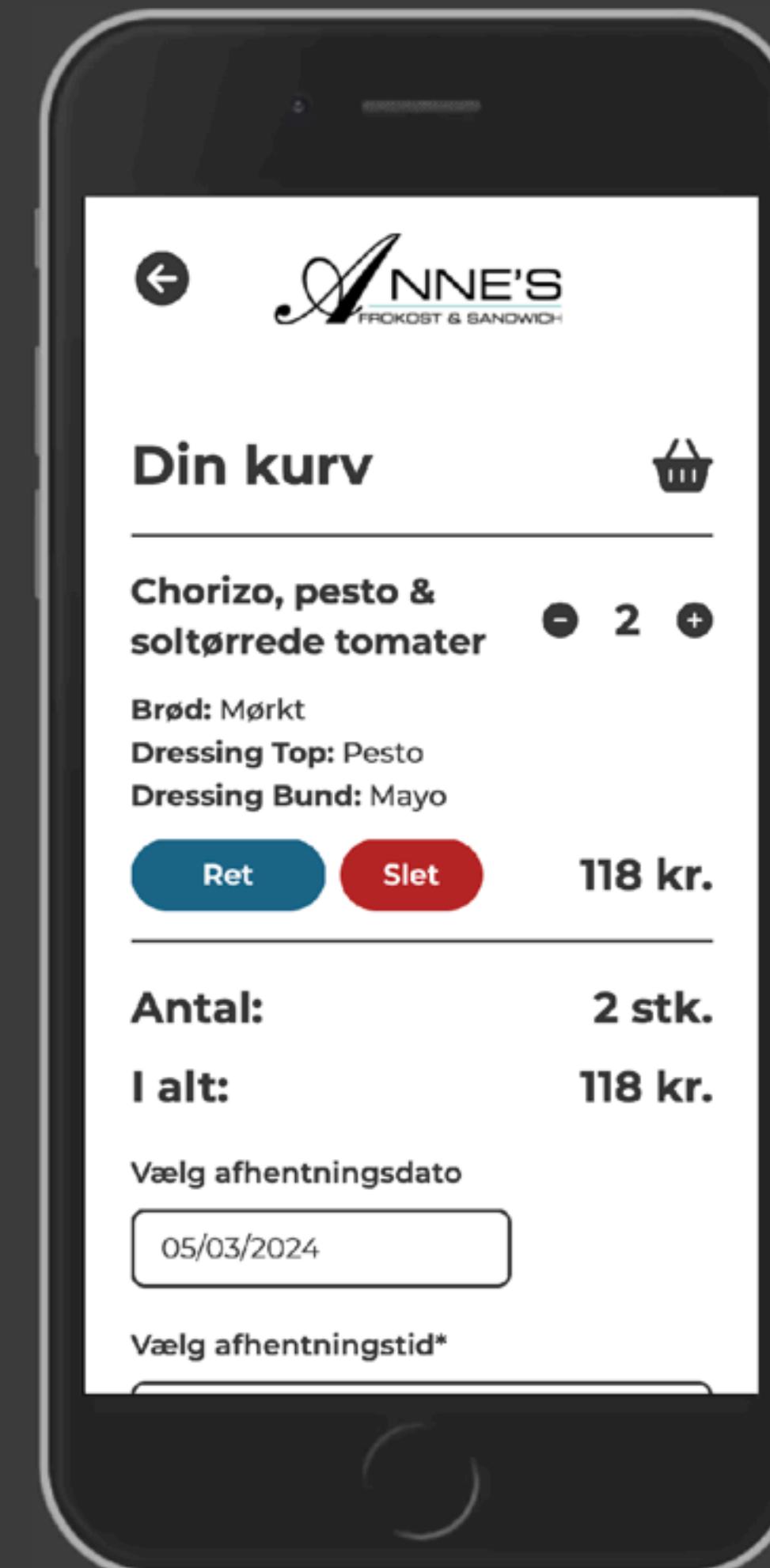
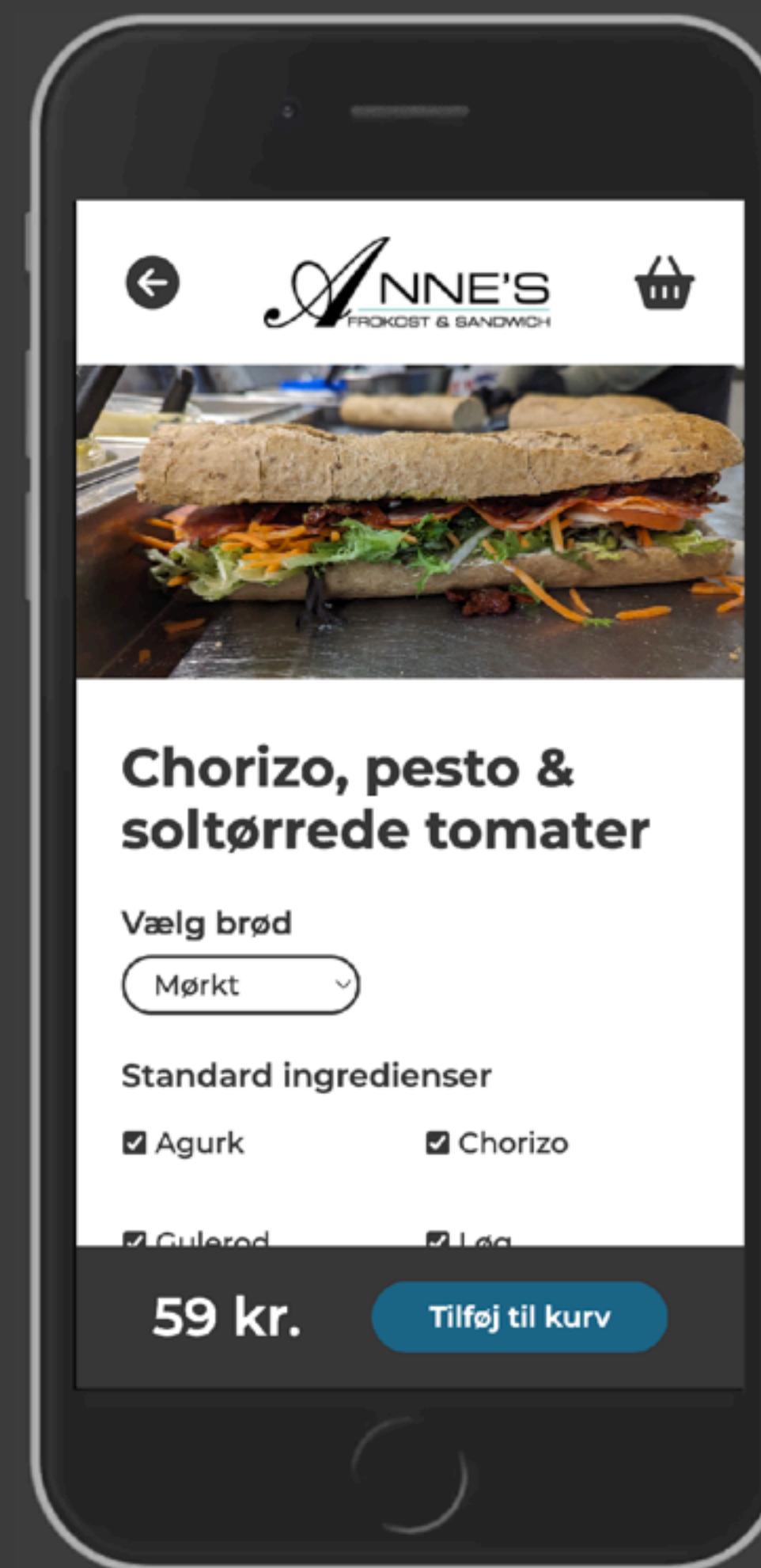
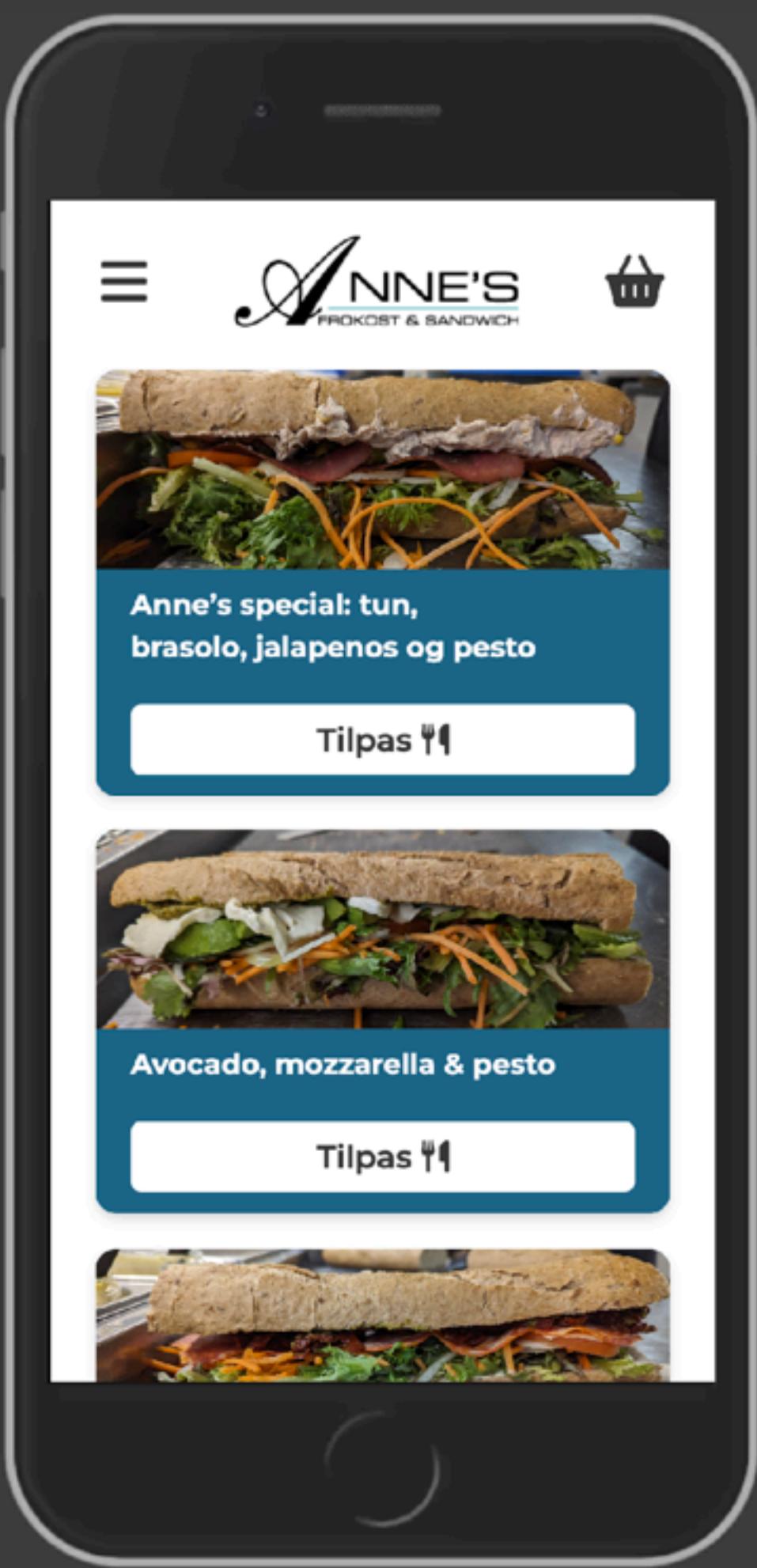










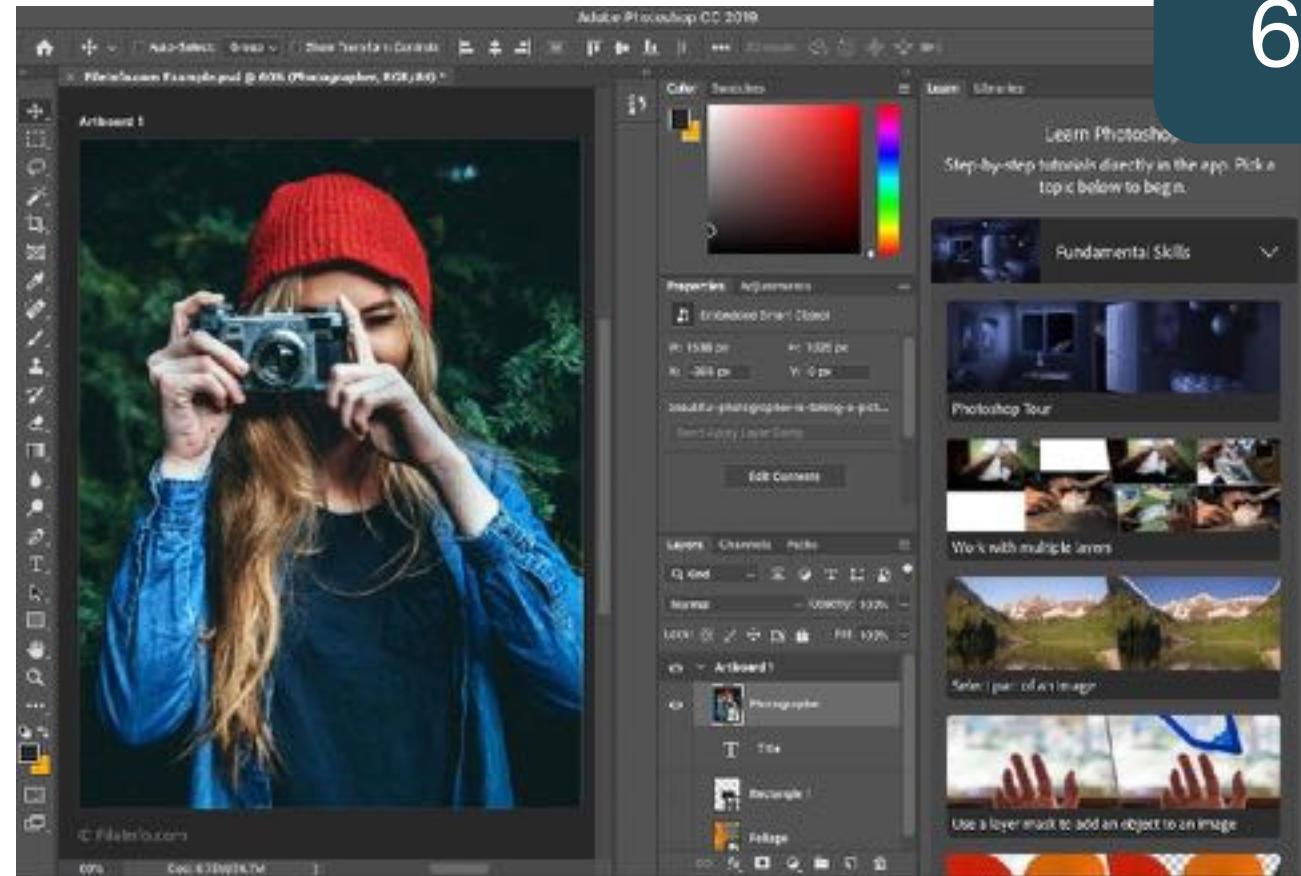
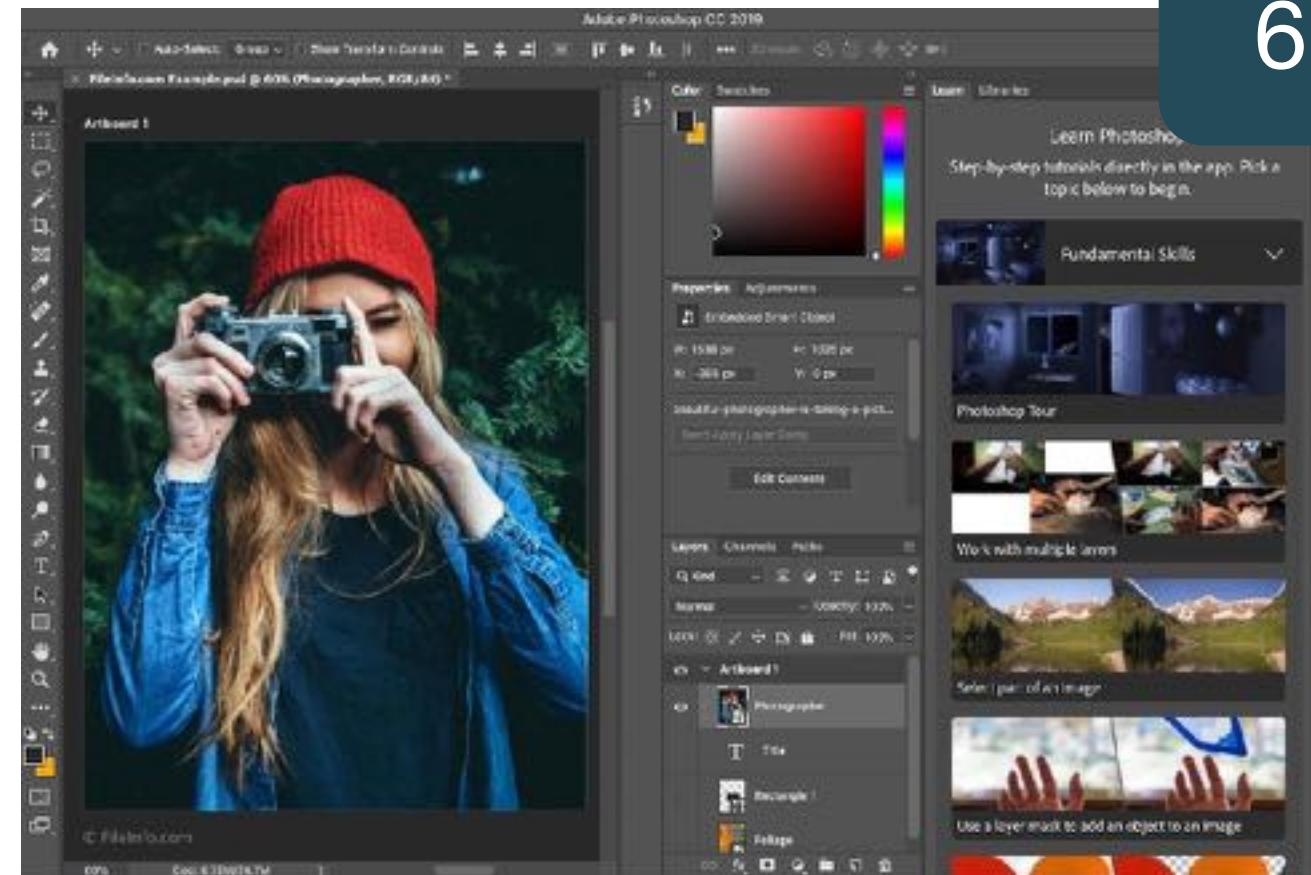




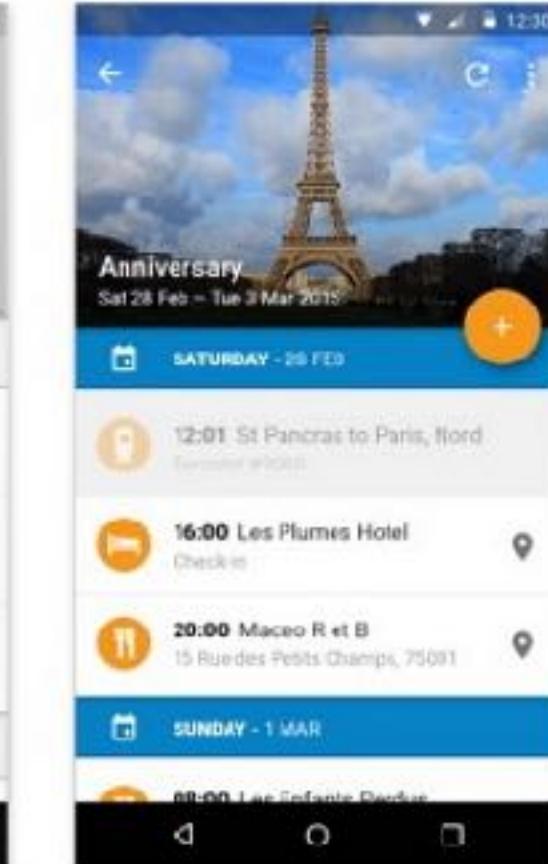
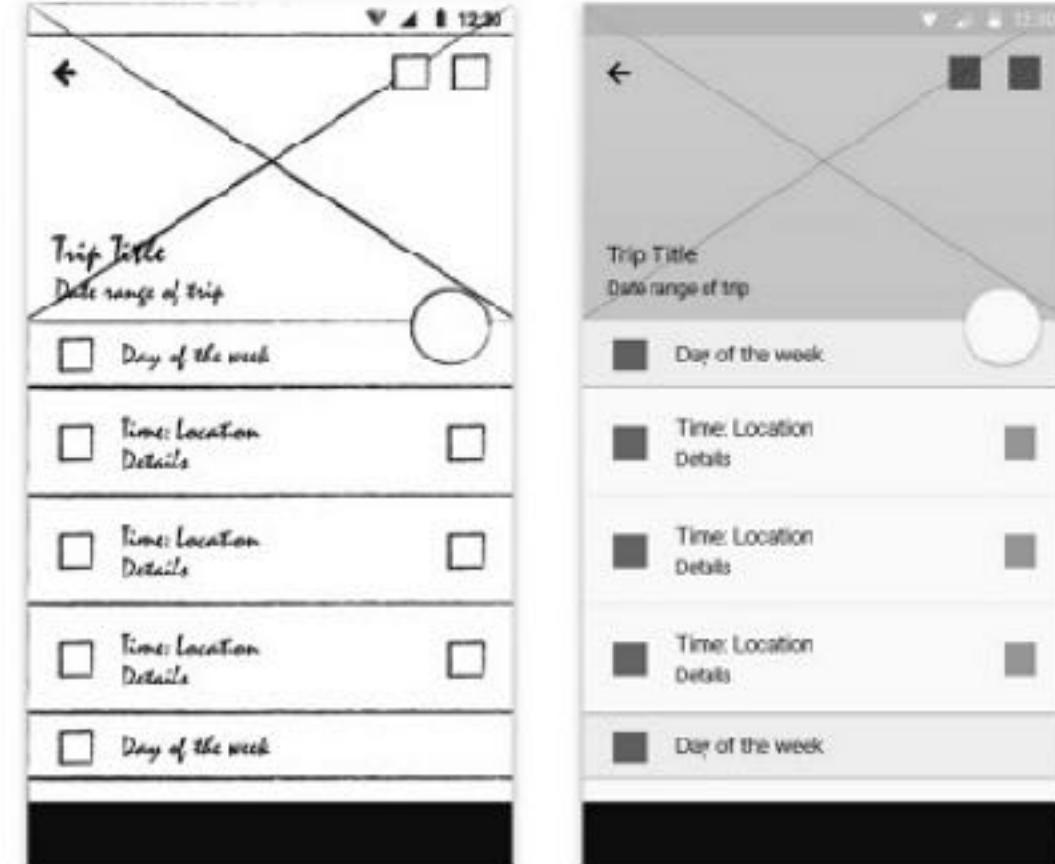
1



2



5



3



6

Style Tile
This is some text about the style tile, and how awesome it is to look at. We will have 2 to 4 style tiles in the final project to show people to choose from.

This is a link to our blog post.

CONTENT EXAMPLE

I'm a Headline

I'm a Sub Headline

Ut enim ad minim veniam, consectetur adipisicing elit. Suspendisse ut enim in eros elementum estique. Duis cusus, mi quis viverra omnis, etiam dolor in erat null, ut this is an example of an intro link.

Ut enim ad minim veniam, consectetur adipisicing elit. Suspendisse ut enim in eros elementum estique. Duis cusus, mi quis viverra omnis.

This is a regular link.

Button 1 Button 2 Button 3

High Energy! Clean Passionate

COLORS

Turquoise Red #FFB011	Yellow Sun #FADBD8	Steel Grey #D0D7D0	Lite Steel #E0E4E8
-----------------------	--------------------	--------------------	--------------------

IMAGES / PATTERNS

Red Bridges	Yellow Wall	Sunset

Man in suit	Tomatoes

4



8

```
<!DOCTYPE html>
<head>
<link rel="stylesheet" type="text/css" href="style.css">
<script src = "src/Thermostat.js"></script>
<script src="https://code.jquery.com/jquery-3.2.1.min.js" integrity="sha256-hmg4sxgZn0sEBandYGBt13PyQutTwIAQcxVSNgt4a" crossorigin="anonymous"></script>
<script src = "jq.js"></script>
</head>

<body>
<h1> Temperature </h1>
<div style="position: absolute; left: 3%; top: 13%; width:300px; height:300px; -moz-border-radius: 120px; -webkit-border-radius: 120px; border-radius: 120px; background: #0086FA;"></div>
<span id="number" class = "number"></span> <h4> °C </h4>
<button id = "powersave" class = "saveon"> PowerSave On </button>
<button id = "plus" class = "plus"> + </button>
<button id = "minus" class = "minus"> - </button>
<button id = "Reset" class = "reset"> Reset </button>
</body>
```

7

THE PROTOTYPING PROCESS



SKETCHES → WIREFRAMES → MOCK-UPS → PROTOTYPE

DRAWING
PEN AND PAPER

MORE VISUAL
XD, FIGMA

GRAPHIC DESIGN
PS, XD, FIGMA

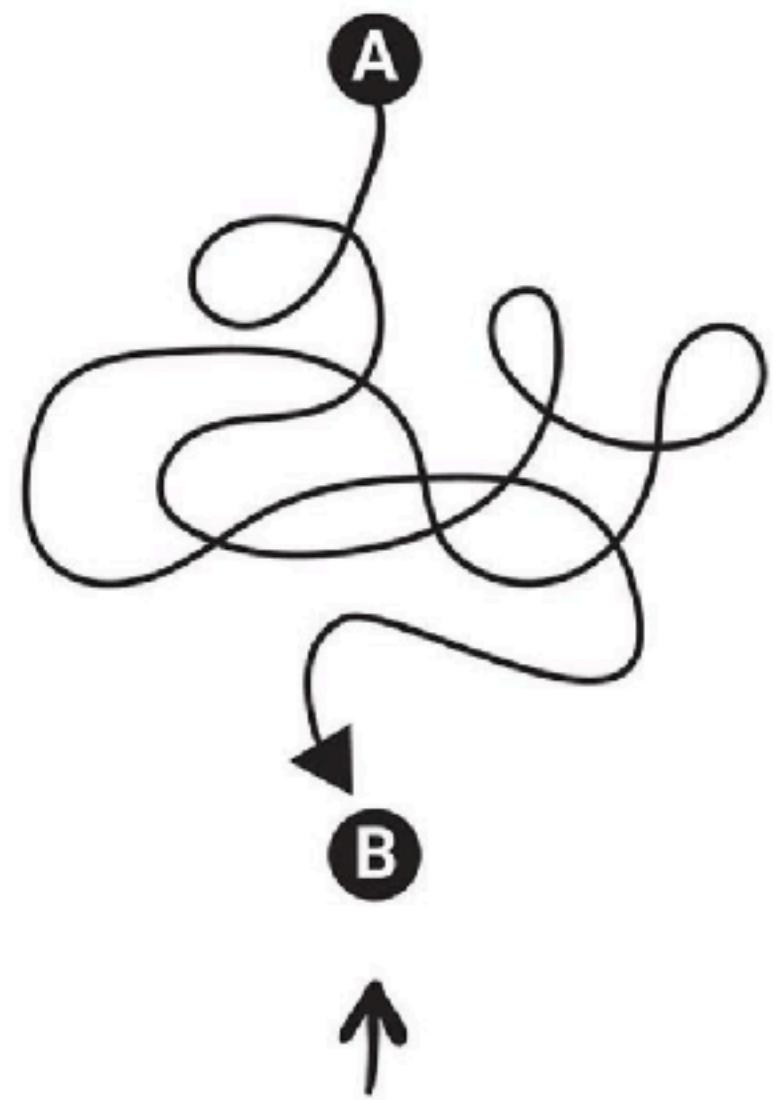
INTERACTIVE
XD, FIGMA CODE

**What you think
users do**



@uxbites

**What users
actually do**



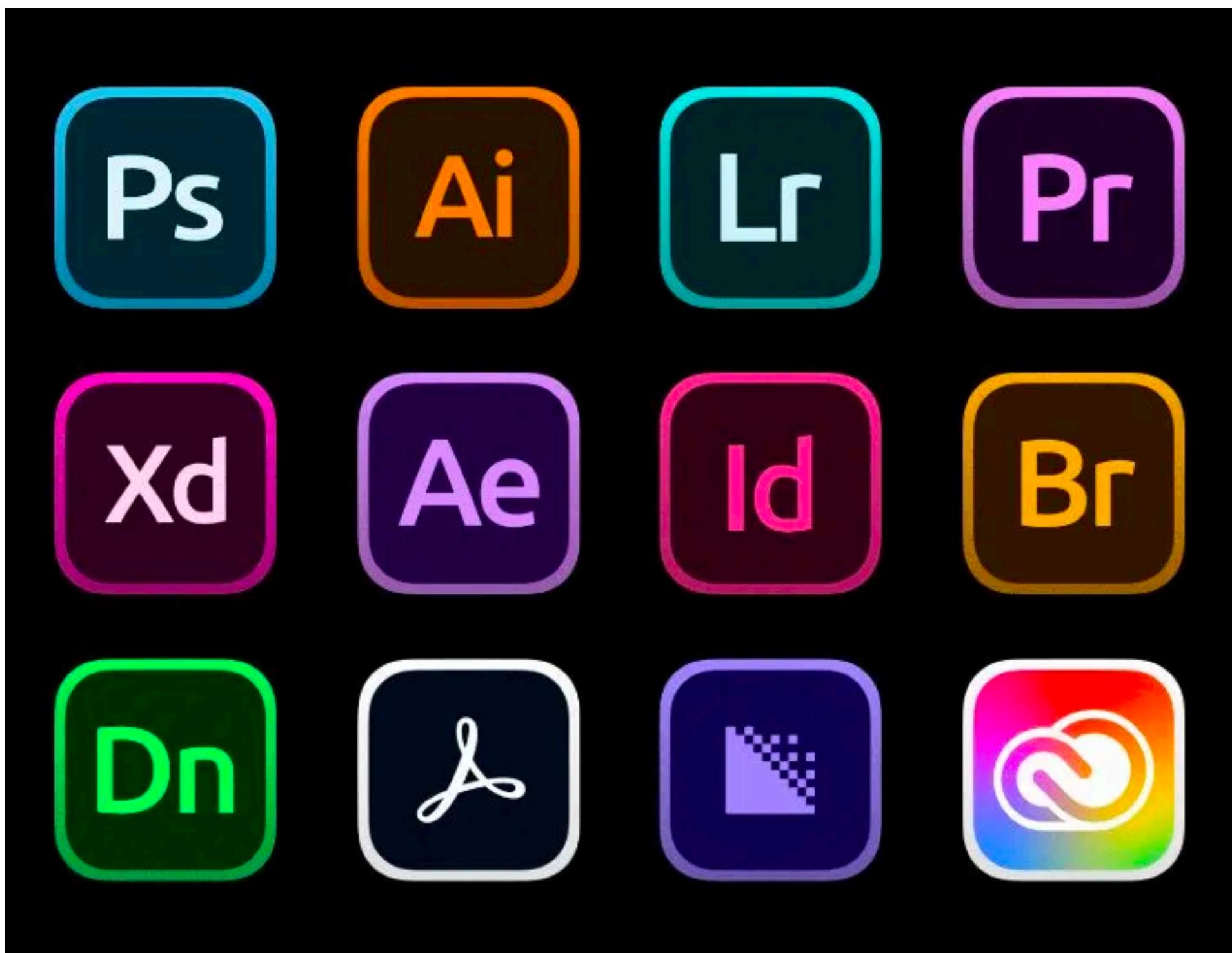
REVEALED BY USER TESTING



MULTIMEDIEDESIGNERENS VÆRK TØJSKASSE



Adobe® Creative Cloud™



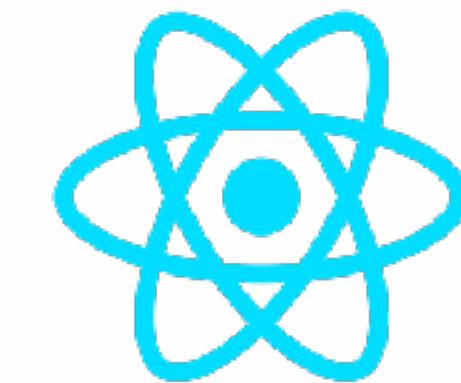
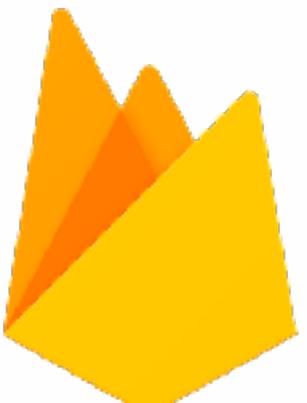
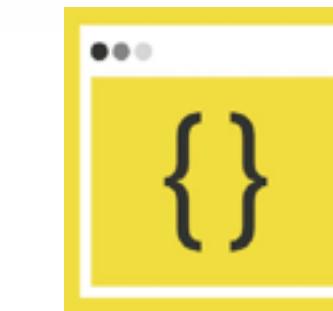
HTML



JS



CSS



Klar til job på 2 år
2-årig videregående uddannelse
i digitale medier, programmering, design og brugeroplevelser (UX)

Tæt på praksis og masser af 'hands on'
Gruppearbejde, undervisning, case- og projektarbejde

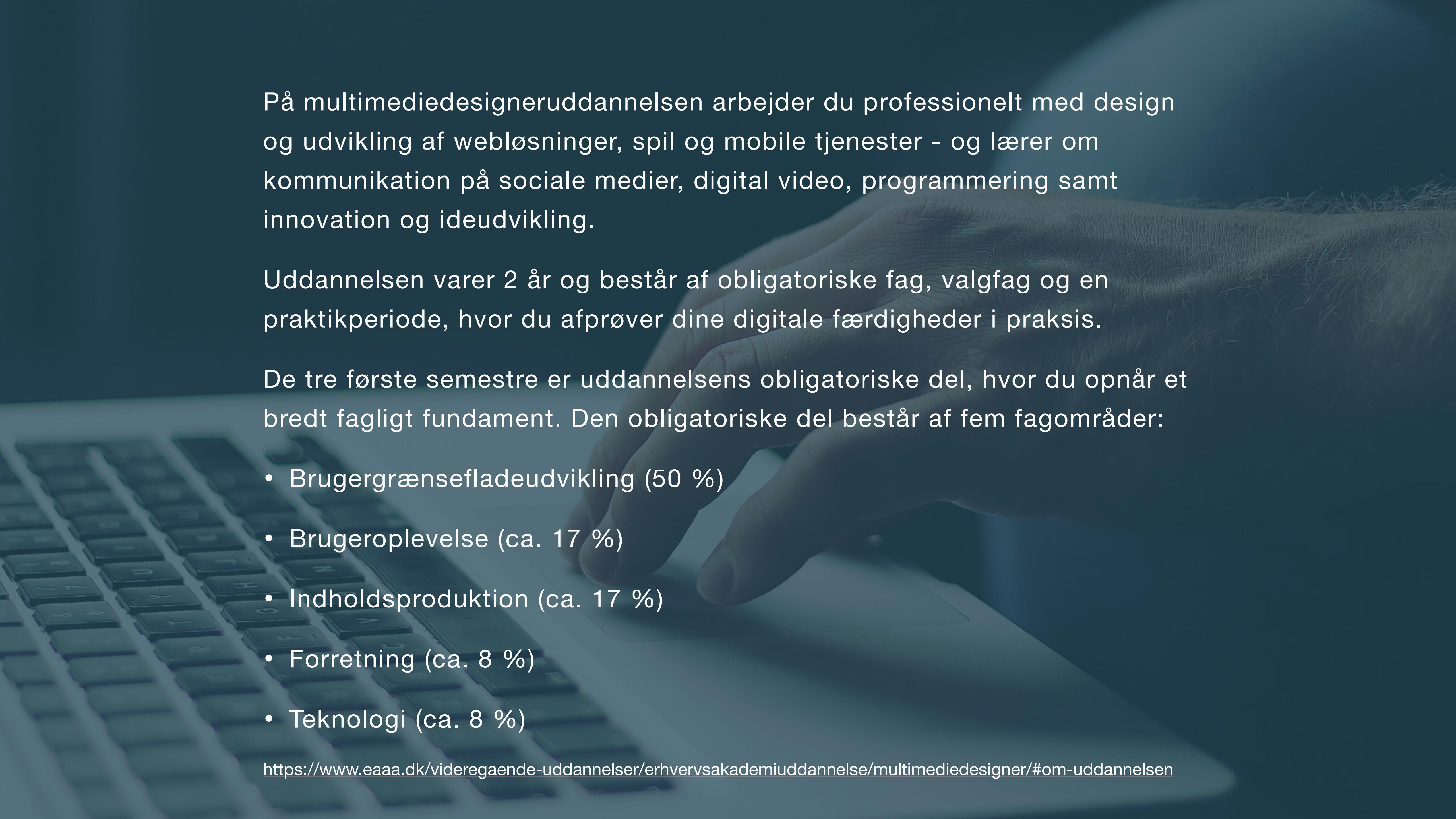
Mulighed for at tage 3. og/eller 4. semester i udlandet

VIDEREUDDANNELSE

NB - REGERINGENS REFORM

DIPLOM I DIGITAL KONCEPT-UDVIKLING, WEBUDVIKLING

Plus 1 årlige



På multimediedesigneruddannelsen arbejder du professionelt med design og udvikling af webløsninger, spil og mobile tjenester - og lærer om kommunikation på sociale medier, digital video, programmering samt innovation og ideudvikling.

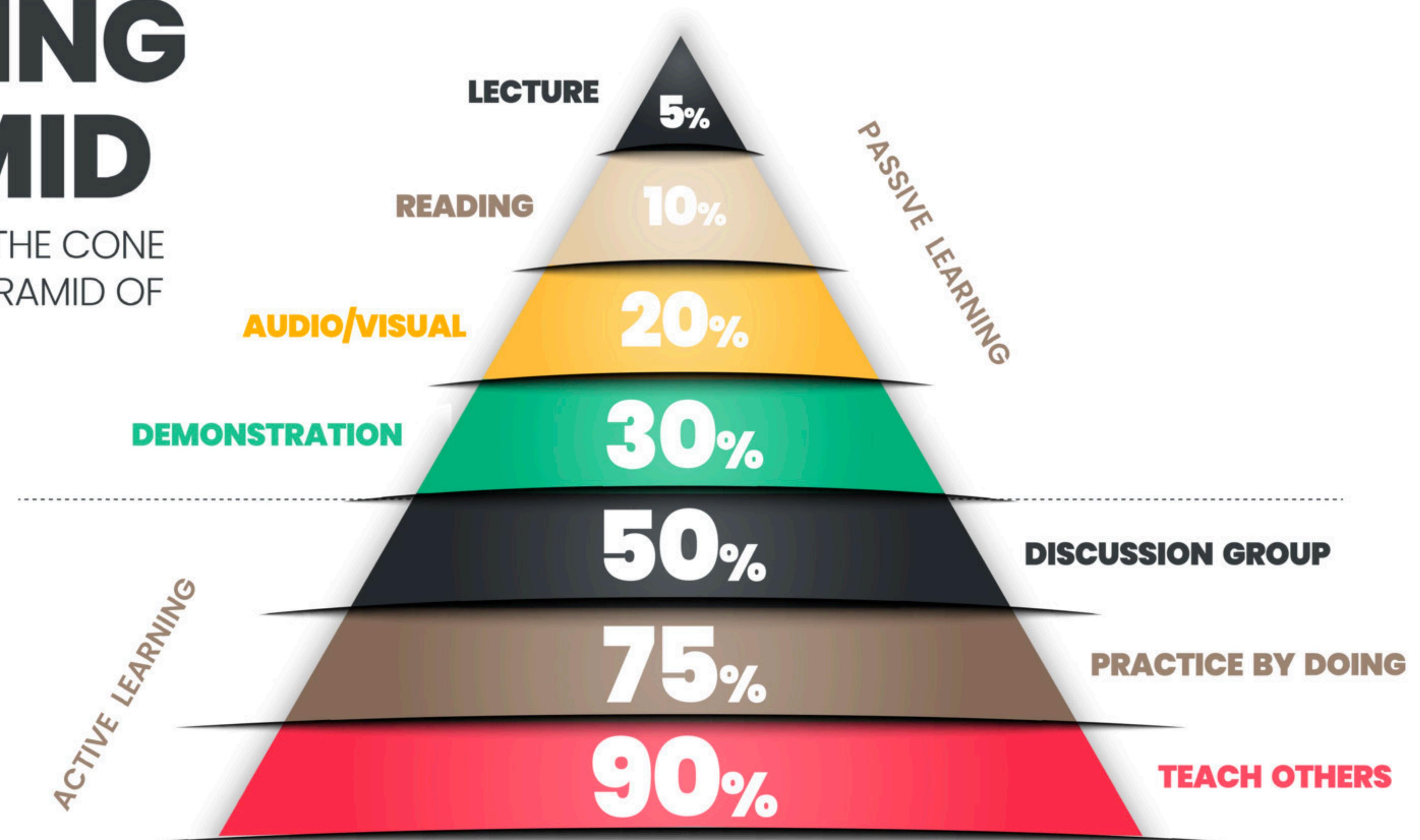
Uddannelsen varer 2 år og består af obligatoriske fag, valgfag og en praktikperiode, hvor du afprøver dine digitale færdigheder i praksis.

De tre første semestre er uddannelsens obligatoriske del, hvor du opnår et bredt fagligt fundament. Den obligatoriske del består af fem fagområder:

- Brugergrænsefladeudvikling (50 %)
- Brugeroplevelse (ca. 17 %)
- Indholdsproduktion (ca. 17 %)
- Forretning (ca. 8 %)
- Teknologi (ca. 8 %)

LEARNING PYRAMID

THE LEARNING CONE, THE CONE OF RETENTION, THE PYRAMID OF RETENTION



A woman with dark hair and glasses is smiling at the camera. She is wearing a light-colored, textured jacket over a dark top. Behind her is a large window with a view of a beach and ocean. A small portion of a computer screen is visible in the upper left corner of the window frame.

UDDAN DIG TIL MULTIMEDIEDESIGNER

<https://www.youtube.com/watch?v=-ck-7NS9d5U>

MDU ny struktur

1. Interaktion Design

Løsningerne
der gør noget
Javascript,
React

Dansk 1. semester

MDU håndværk
Javascript, HTML, CSS
UI design

2. Experience Design

Oplevelser og
køb
Wordpress
Shopify

3. Game Developer

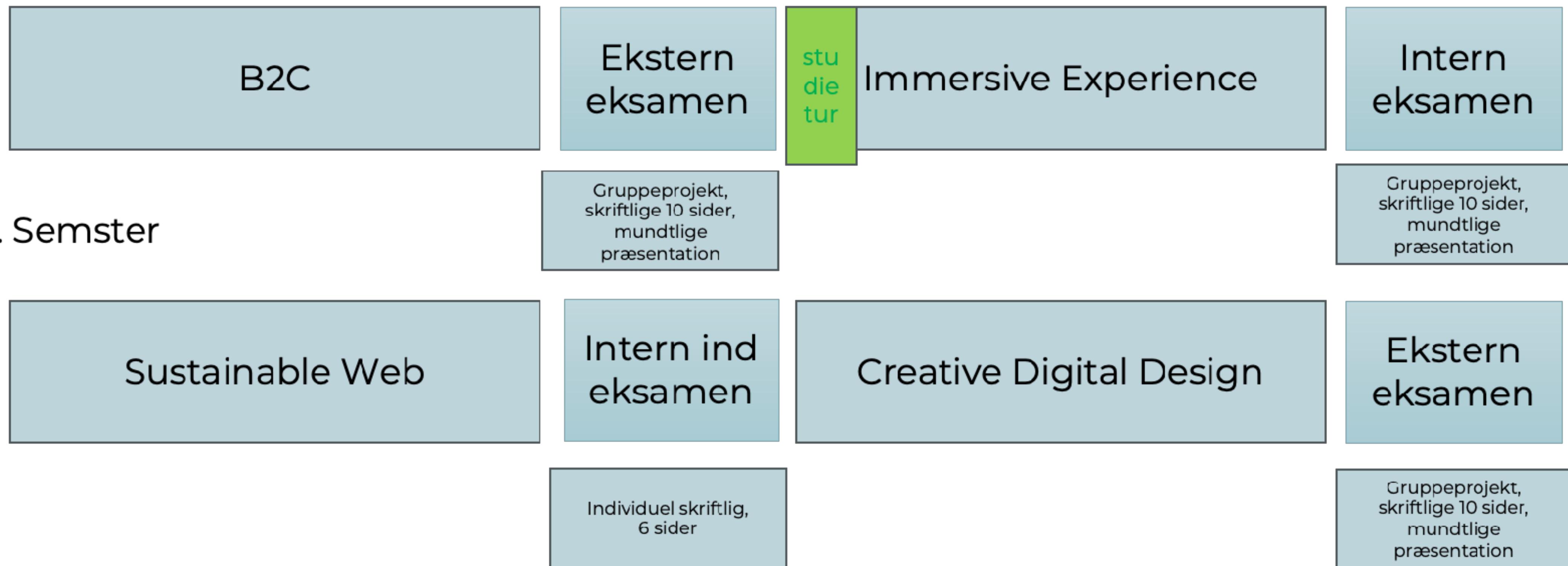
Univers og spil
Unity og c#

4. International

Lidt af det hele
UX+Frontend
Javascript

Experience design

2. Semester



Interactive design

2. Semster

Customer experience

Ekstern
eksamen

stu
die
tur

Web app

Intern
eksamen

3. Semster

Gruppeprojekt,
skriftlige 10 sider,
mundtlige
præsentation

Individuel skriftlig inkl
github, 10 sider

Product optimization

Intern ind
eksamen

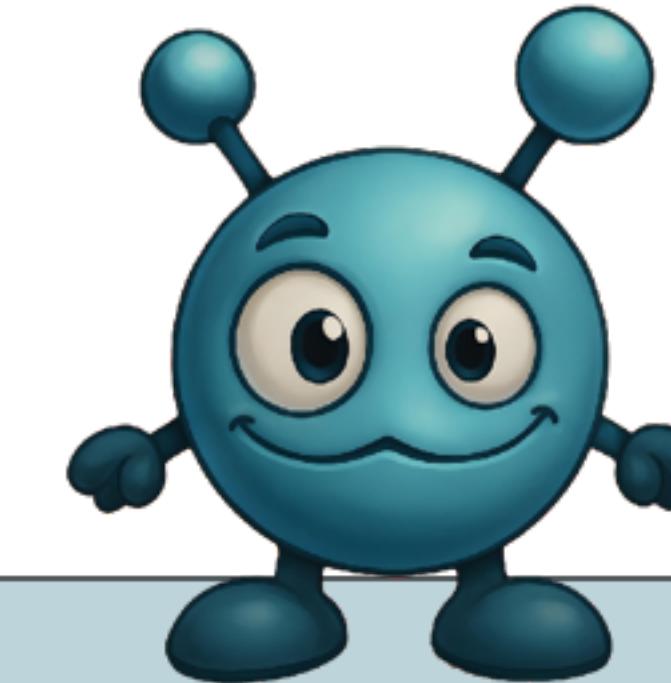
Dynamic User Interface

Ekstern
eksamen

Individuel skriftlig inkl
portfolio
5 sider

Gruppeprojekt,
skriftlige 10 sider,
mundtlige
præsentation

Game linjen



1. semester

2D Game Development

Intern eksamen

Mundtlig på baggrund af semesterprojekt, Video, spil, design og proces

2. Semester

World Building

Ekstern eksamen

Gruppeprojekt,
skriftlige 5 sider,
mundtlige
præsentation

3D Game Development

Intern eksamen

Skriftlig
10 sider inkl produkt og
design

3. Semester

Technology and
Gamification

Intern ind eksamen

Individuel skriftlig, 6
sider + digital løsning

Multiplayer Game
Development

Ekstern eksamen

Gruppeprojekt,
skriftlige 8 sider,
mundtlige
præsentation

Interaktion

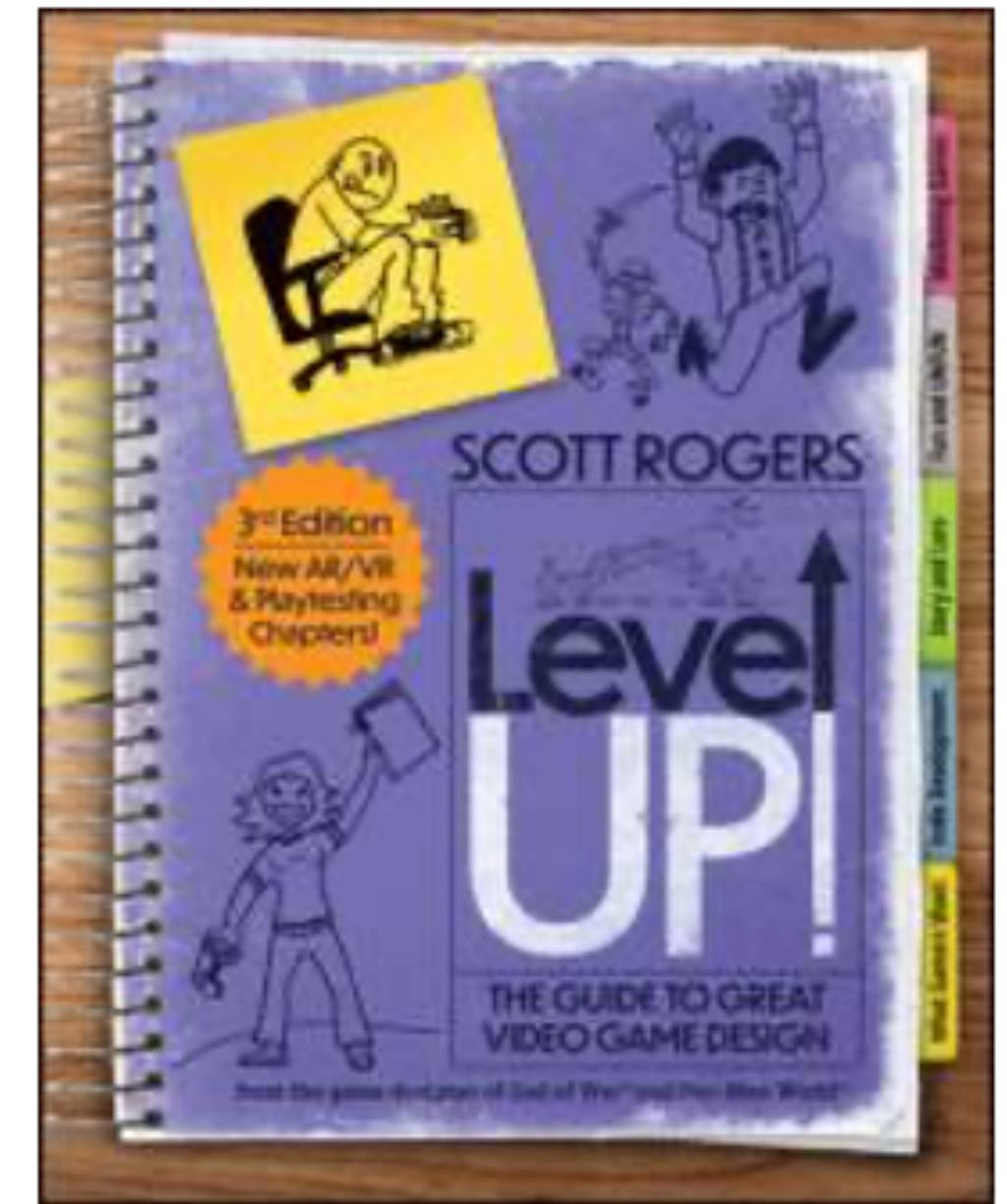
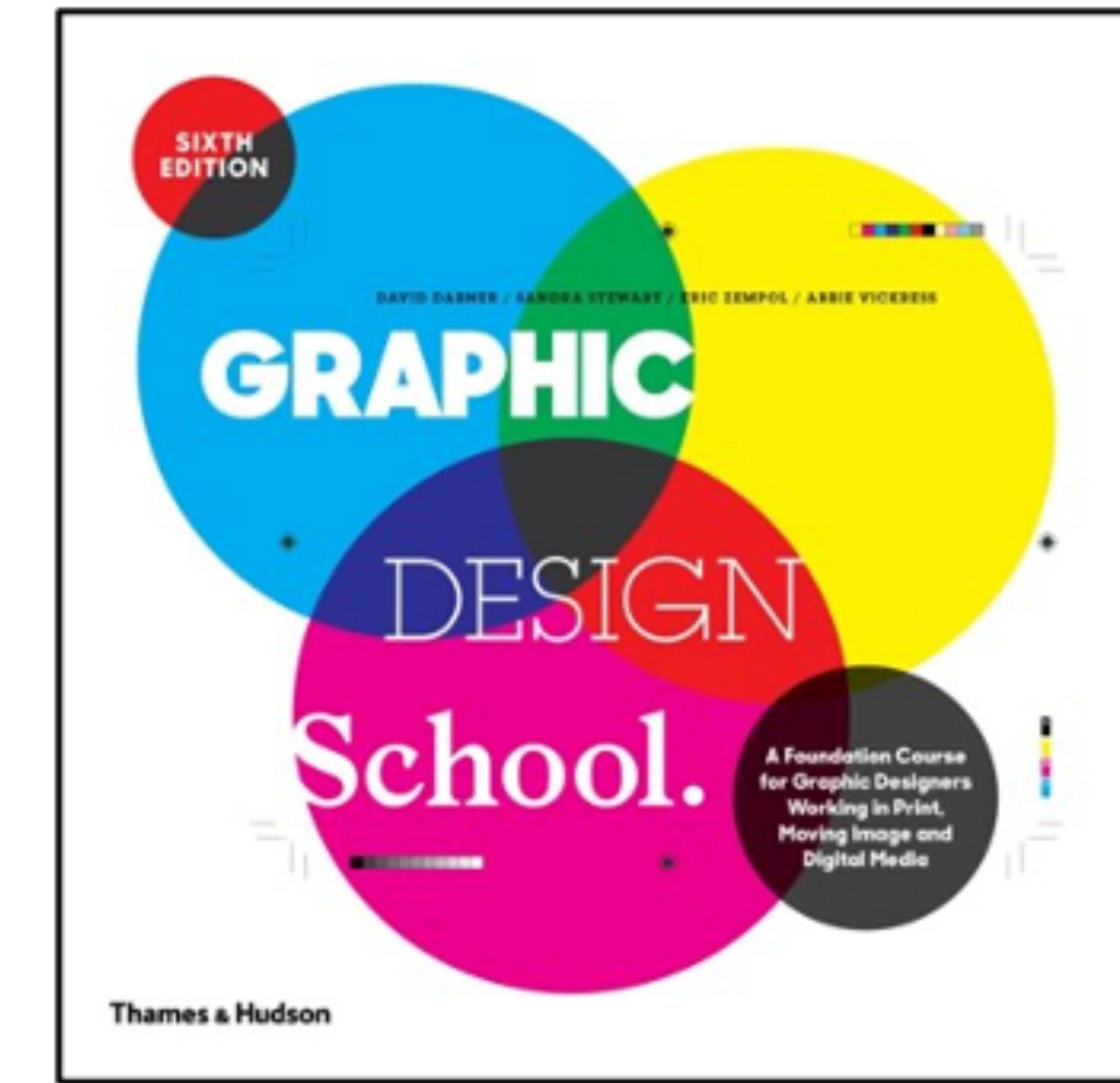
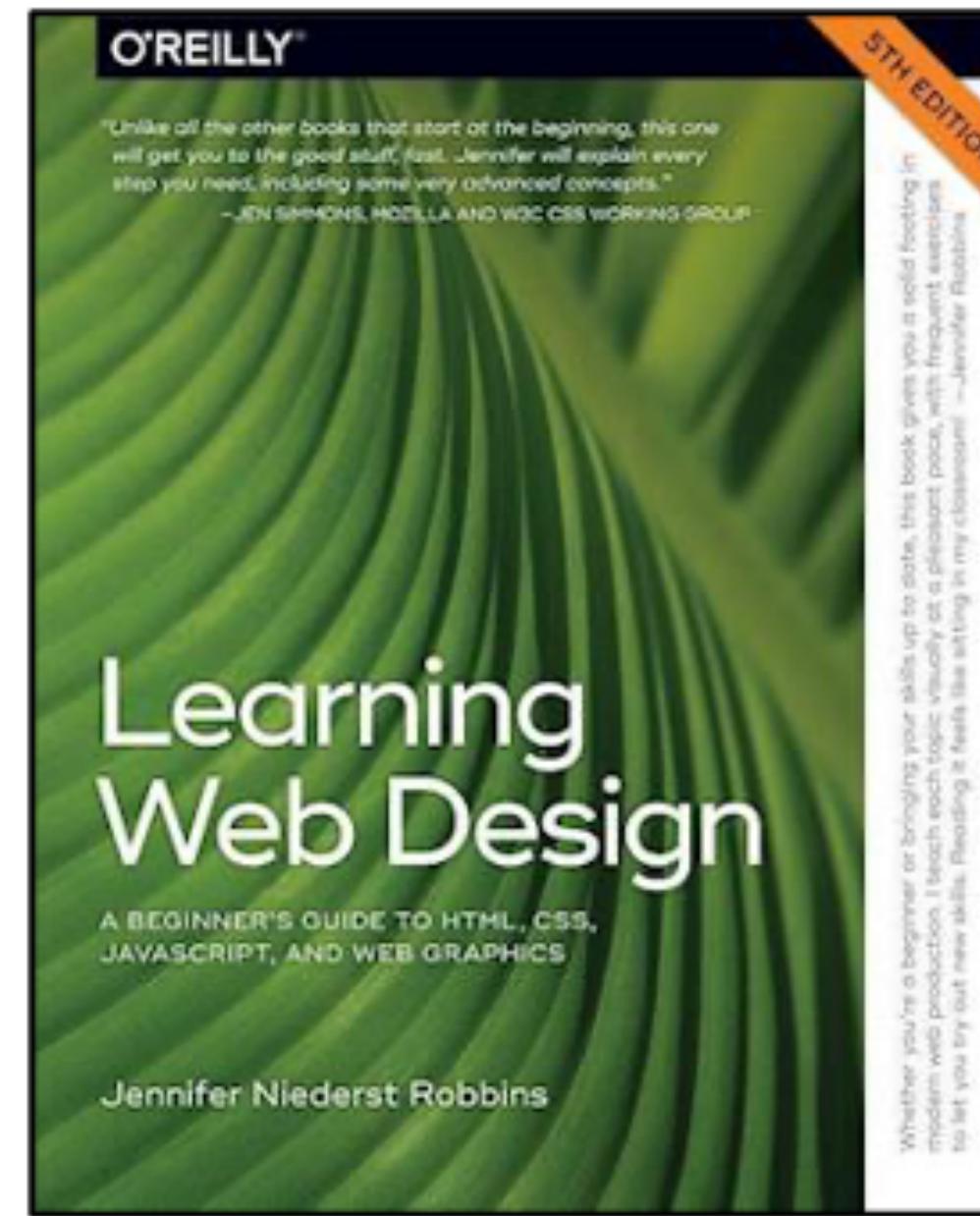
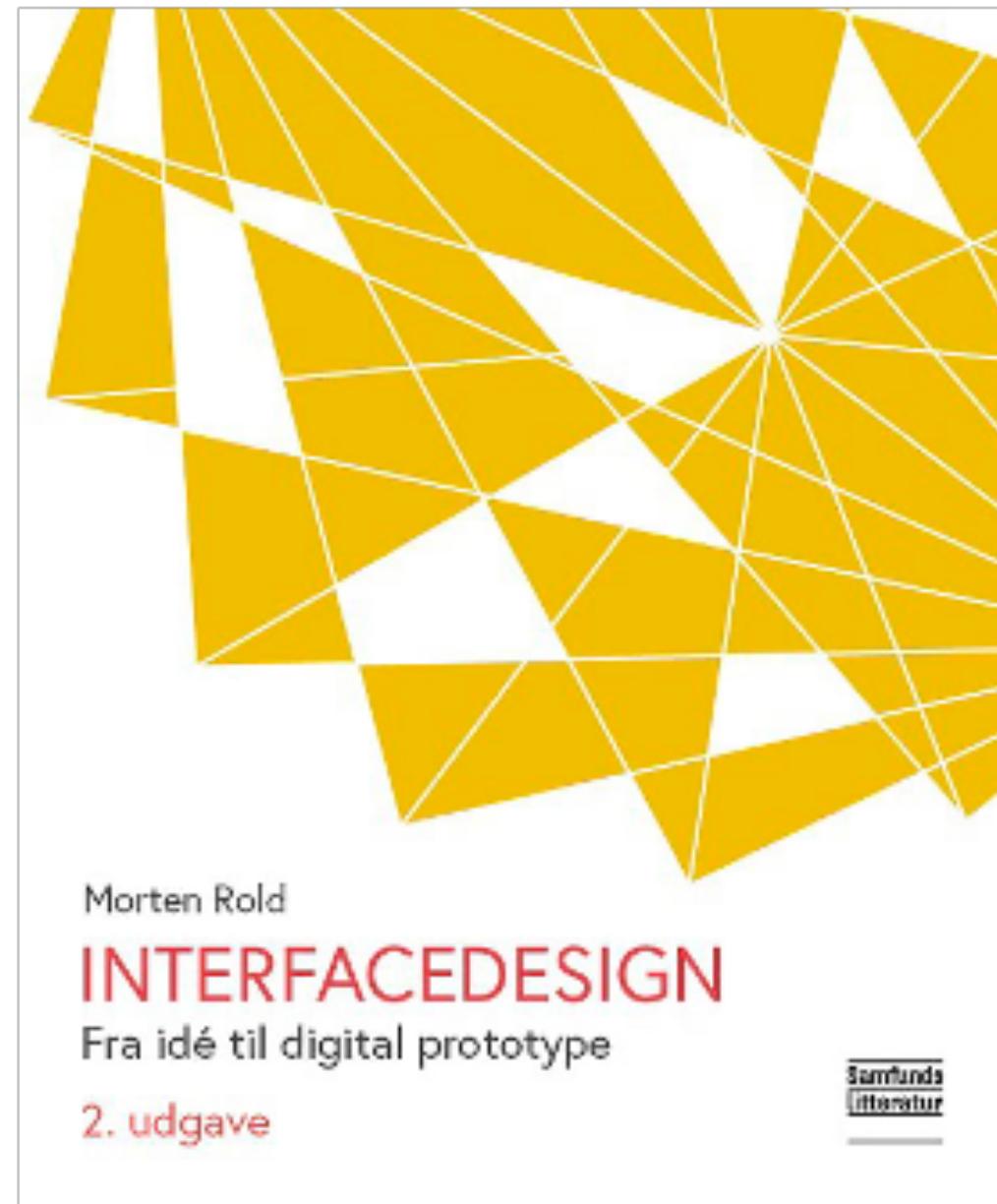
E-commerce

Experience

Game



FORSKEL I FOKUS





DU KAN OGSA LÆSE "OS"
PÅ INTERNATIONALK

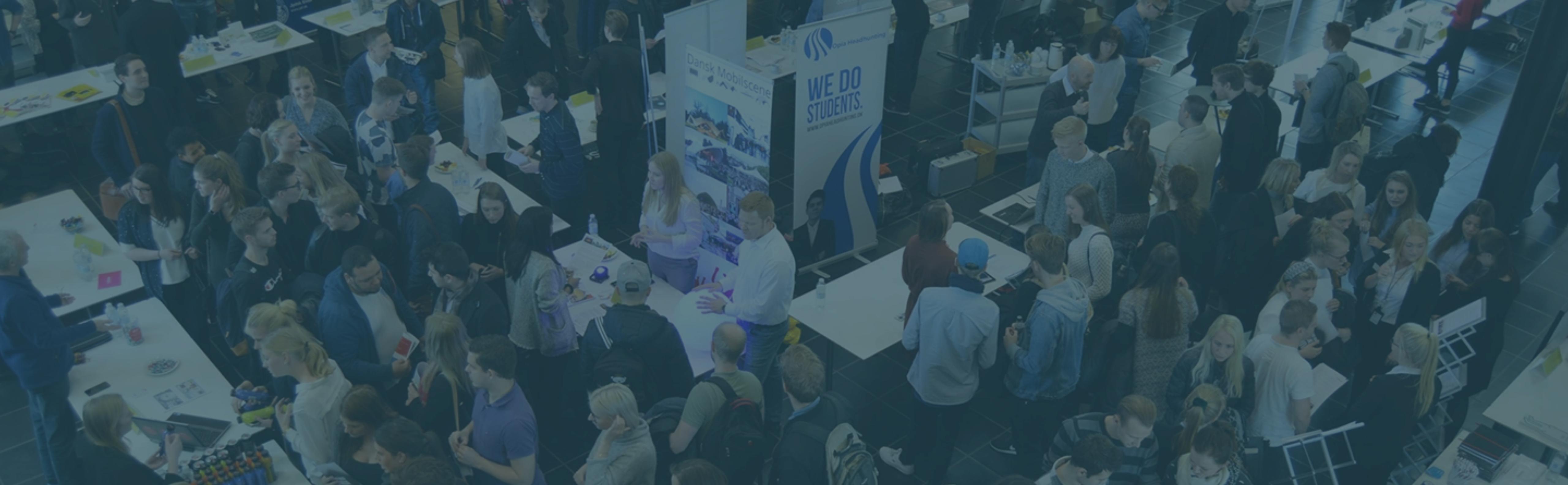
<https://www.baaa.dk/programmes/multimedia-design/>



**Study Multimedia Design
in Denmark!**

A photograph of five people in an office environment. Four individuals are seated around a light-colored wooden conference table, engaged in a discussion. A man on the left in a dark blue shirt is gesturing with his hands. Next to him is a woman in a green top. To her right is another man in a light-colored sweater, looking down at a yellow document he is holding. A fourth person, a woman in a dark jacket, is partially visible behind the others. In the background, there's a whiteboard with some writing and a window showing a view of the outdoors. The overall atmosphere is professional and collaborative.

PRAKTIK



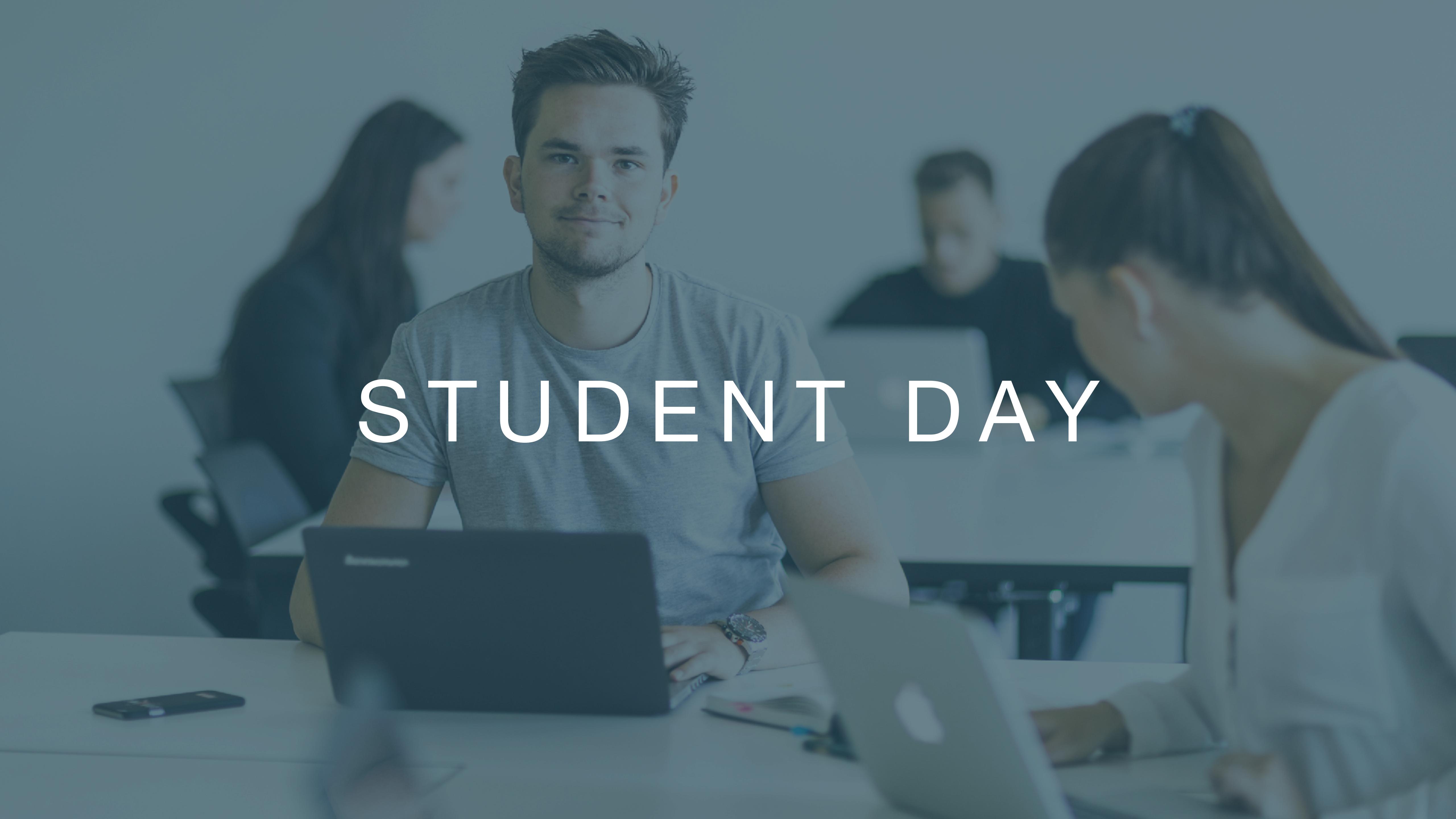
COMPANY DAY



Aarhus Bryghus
Abel&co
Amazing Philippines
Arriva
Attention8
BadaBing Film I/S
Bands of Tomorrow
Bedre Nætter
BoligPortal
Brandshop
Buchs
By Catfish
Central Asia Tours
Concept 3
Creuna
Cyperhus
Dansk Supermarked
DeLuca film
Den Sociale Retshjælp
DesignMe
DGI Østjylland
Dixon Design

DR Multimedie
DR-Århus web afd.
ebay - DBA
Erhvervshjemmesider.dk
Ezzence A/S
Food Festival
Gaven DK
Graphic House
Grundfos
Hungry.dk
iDeal Development
Idea House
Jyllands-Posten
Kamstrup A/S
Kiloo
Kirkens Korshær
Komunikado
Mediehuset, Aarhus
Minimum A/S
Minova
Mobilthink
Musik Group Denmark

Nodes
Novicell
No Zebra
Optimize2 ApS
ProShop
Redweb
Restaurant2Night
Salling Group
Save my Iphone
Searchmind
SC Artvertising
Sinful
Surge ApS
TC electronic
Train
Unique Models
Vega Tattoo
Vero Moda
Vestas
Webapoteket
WebStock
3F

A group of students are gathered around a table in a classroom. In the foreground, a young man with short brown hair and a light beard, wearing a grey t-shirt, looks directly at the camera with a slight smile. He is sitting at a table with a laptop open in front of him. Behind him, several other students are visible, some looking at their phones or laptops. The background is a plain, light-colored wall.

STUDENT DAY



JOBPORTAL

jobportal.eaaa.dk

HVERDAGEN

FULD TIDSSTUDIE

Fordelt på ca. 24 undervisningstimer/uge
+ forberedelse, opgaver og løbende projekter

DINE MEDSTUDERENDE

Gennemsnitsalder: 22 år

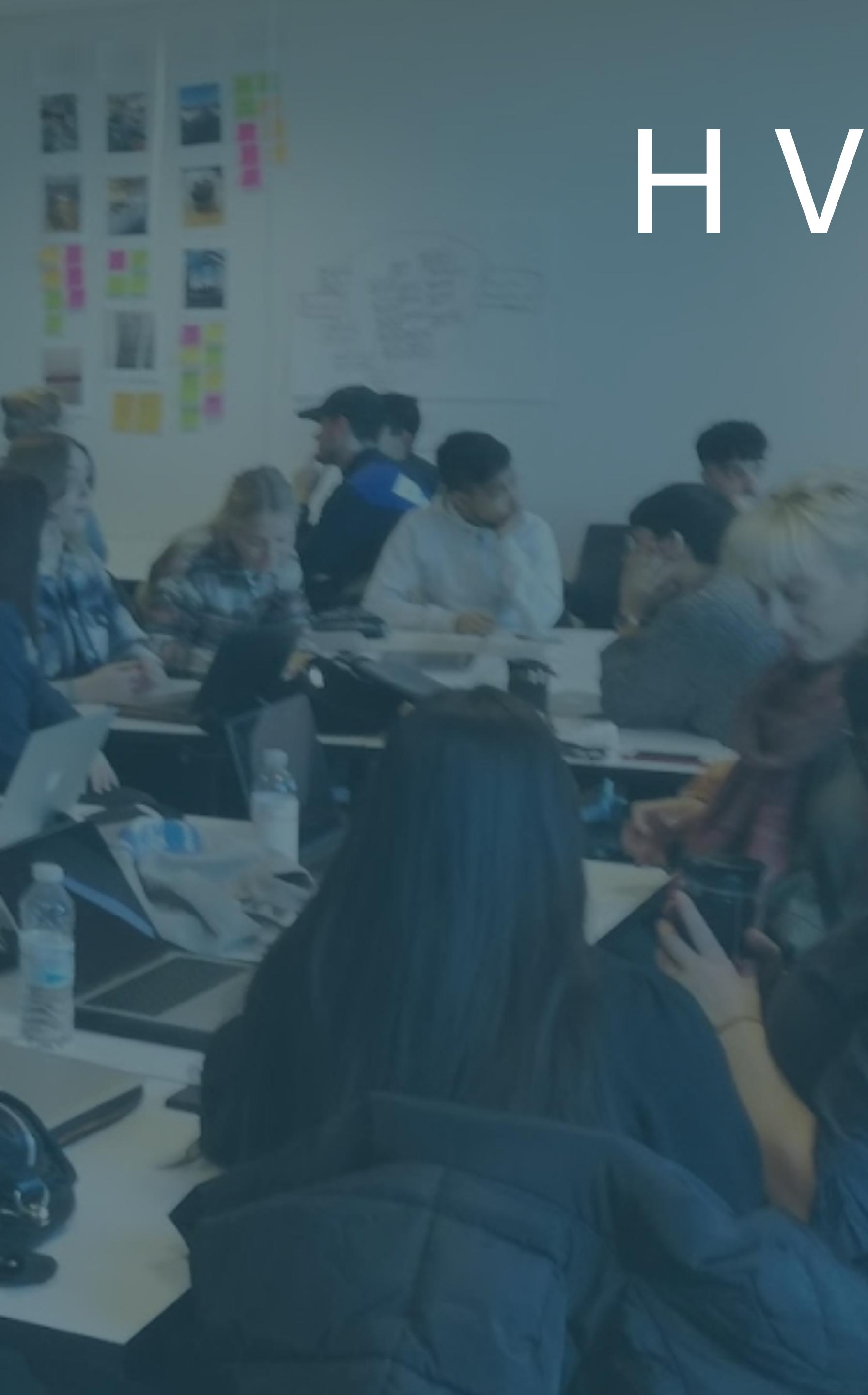
Fordeling: 60 % Kvinder & 40 % mænd

Hands-on studie - praksisnær

Teori og praksis: projektarbejde - hands on
opgaver

Klasseundervisning

Gruppearbejde og individuelle projekter



STUDIEMILJØ

Gruppearbejde & hands-on

Cases & problemer fra den virkelige
verden

Forbindelse mellem teori & praksis

Undervisning der er fokuseret på
studerende

Socialt læringsmiljø

Uge 35					
	Mandag d. 28 - 08	Tirsdag d. 29 - 08	Onsdag d. 30 - 08	Torsdag d. 31 - 08	Fredag d. 01 - 09
08:30 - 10:00	Intro LAES eaa-R104-1.39	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.39		Programmering KIJE eaa-R104-1.39
10:30 - 12:00	Intro LAES eaa-R104-1.39	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.39		Programmering KIJE eaa-R104-1.39
12:30 - 14:00	Intro LAES eaa-R104-1.39	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.39		Programmering KIJE eaa-R104-1.39
14:15 - 15:45					
Uge 36					
	Mandag d. 04 - 09	Tirsdag d. 05 - 09	Onsdag d. 06 - 09	Torsdag d. 07 - 09	Fredag d. 08 - 09
08:30 - 10:00	Felt arbejde	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.39	Selvstudie	Programmering KIJE eaa-R104-1.39
10:30 - 12:00	Felt arbejde	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.39	Selvstudie	Programmering KIJE eaa-R104-1.39
12:30 - 14:00	Felt arbejde	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.39	Selvstudie	Programmering KIJE eaa-R104-1.39
14:15 - 15:45					
Uge 37					
	Mandag d. 11 - 09	Tirsdag d. 12 - 09	Onsdag d. 13 - 09	Torsdag d. 14 - 09	Fredag d. 15 - 09
08:30 - 10:00	Selvstudie	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.24	Programmering KIJE eaa-R104-1.39	Sprint Kick-off LAES eaa-R104-1.38 eaa-R104-1.39
10:30 - 12:00	Selvstudie	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.24	Programmering KIJE eaa-R104-1.39	Sprint Kick-off LAES eaa-R104-1.39 eaa-R104-1.38
12:30 - 14:00	Selvstudie	UX & Content LAES eaa-R104-1.39	Design LARH eaa-R104-1.24	Programmering KIJE eaa-R104-1.39	Sprint Kick-off LAES eaa-R104-1.38 eaa-R104-1.39
14:15 - 15:45					
Uge 38					
	Mandag d. 18 - 09	Tirsdag d. 19 - 09	Onsdag d. 20 - 09	Torsdag d. 21 - 09	Fredag d. 22 - 09
08:30 - 10:00	Sprint eaa-R104-1.39	Sprint eaa-R104-1.39	Sprint eaa-R104-1.39	Sprint eaa-R104-1.39	Sprint LAES eaa-R104-1.39 Bemærk: Præsentation

Uge 38

	Mandag d. 18 - 09	Tirsdag d. 19 - 09	Onsdag d. 20 - 09	Torsdag d. 21 - 09	Fredag d. 22 - 09
08:30 - 10:00	Meeting companies outside of Aarhus LSKJ	Informal internship speed dating LSKJ eaa-R104-1.42 eaa-R104-1.01	Portfolio	Portfolio MOAB MLBE eaa-R104-1.42	Portfolio MNOR eaa-R104-1.42
10:30 - 12:00	Meeting companies outside of Aarhus LSKJ	Informal internship speed dating LSKJ eaa-R104-1.01 eaa-R104-1.42	Portfolio	Portfolio MLBE MOAB eaa-R104-1.42	Portfolio MNOR eaa-R104-1.42
12:30 - 14:00	Meeting companies outside of Aarhus LSKJ	Portfolio eaa-R104-1.01 eaa-R104-1.42	Portfolio	Job interviews in a Danish context LSKJ eaa-R104-1.42	Portfolio
14:15 - 15:45	Meeting companies outside of Aarhus LSKJ				
16:00 - 18:00					

Uge 39

	Mandag d. 25 - 09	Tirsdag d. 26 - 09	Onsdag d. 27 - 09	Torsdag d. 28 - 09	Fredag d. 29 - 09
08:30 - 10:00	CV workshops eaa-R104-1.42	Presentation LSKJ Bemærk: In the Canteen	Portfolio	Application workshops eaa-R104-1.42	Portfolio
10:30 - 12:00	CV workshops eaa-R104-1.42	Portfolio	Company day eaa-R104-1.42	Application workshops eaa-R104-1.42	Portfolio Bemærk: Hand-in
12:30 - 14:00	Portfolio	Portfolio	Company day eaa-R104-1.42	Portfolio	
14:15 - 15:45			Company day eaa-R104-1.42		
16:00 - 18:00					

Uge 40

	Mandag d. 02 - 10	Tirsdag d. 03 - 10	Onsdag d. 04 - 10	Torsdag d. 05 - 10	Fredag d. 06 - 10
08:30 - 10:00	Webapp (F/UI/UX) MOAB RACE eaa-R104-1.42	Webapp (F/UI/UX) RACE eaa-R104-1.42	Webapp (F/UI/UX)	Webapp (F/UI/UX) RACE MOAB eaa-R104-1.42	Webapp (F/UI/UX) RACE MOAB eaa-R104-1.42
10:30 - 12:00	Webapp (F/UI/UX) RACE MOAB eaa-R104-1.42	Webapp (F/UI/UX) RACE eaa-R104-1.42	Webapp (F/UI/UX)	Webapp (F/UI/UX) MOAB RACE eaa-R104-1.42	Webapp (F/UI/UX) MOAB RACE eaa-R104-1.42
12:30 - 14:00	Webapp (F/UI/UX) MOAB RACE eaa-R104-1.42	Webapp (F/UI/UX) RACE eaa-R104-1.42	Webapp (F/UI/UX)	Webapp (F/UI/UX) RACE MOAB eaa-R104-1.42	Webapp (F/UI/UX) MOAB RACE eaa-R104-1.42
14:15 - 15:45					
16:00 - 18:00					

J O B S O M M U L T I M E D I E D E S I G N E R

Frontend & Web Designer

SEO og Webudvikler

Frontendudvikler

Applikationsudvikler

Online Grafiker

Digital Designer

Grafisk Marketing Assistent

UX Specialist

Kommunikationsmedarbejder

Marketingkoordinator

Social Media Manager

Content Creator

Multimediedesigner

Online Specialist

Webmaster/webdesigner

UX/UI Designer



FIND MERE INFORMATION
PÅ VORES WEBSITE

<https://www.eaaa.dk/videregående-uddannelser/erhvervsakademiuuddannelse/multimediedesigner/>

<https://www.baaa.dk/programmes/multimedia-design/>

RUNDVISNING

Kig efter brugergrænseflader

A close-up photograph of a person's hand holding a smartphone. The phone's screen is visible, showing a digital interface with various icons and text. The background is slightly blurred, suggesting a keyboard or other office equipment.

UI, User Interface eller **Brugergrænseflade** er alt hvad en bruger kan interagere med for at betjene et digitalt produkt eller en digital tjeneste.

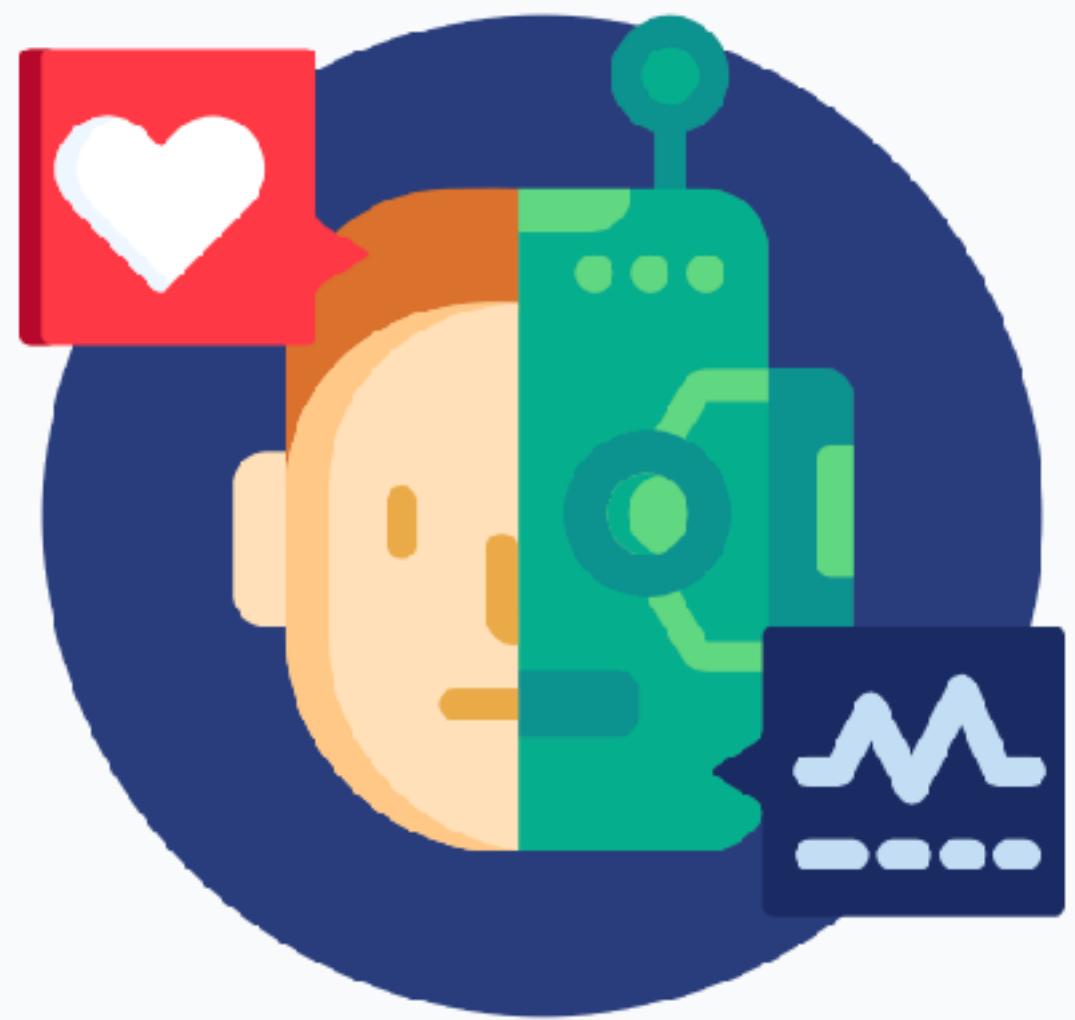
Det inkluderer skærm, touchskræm, knapper, tastatur, mus, lyde og lys.

En **brugergrænseflade** er bindeled mellem et system og dets bruger.

Typisk forbinder vi det med det vi ser: **Grafiske Brugergrænseflader (GUI)**

UI

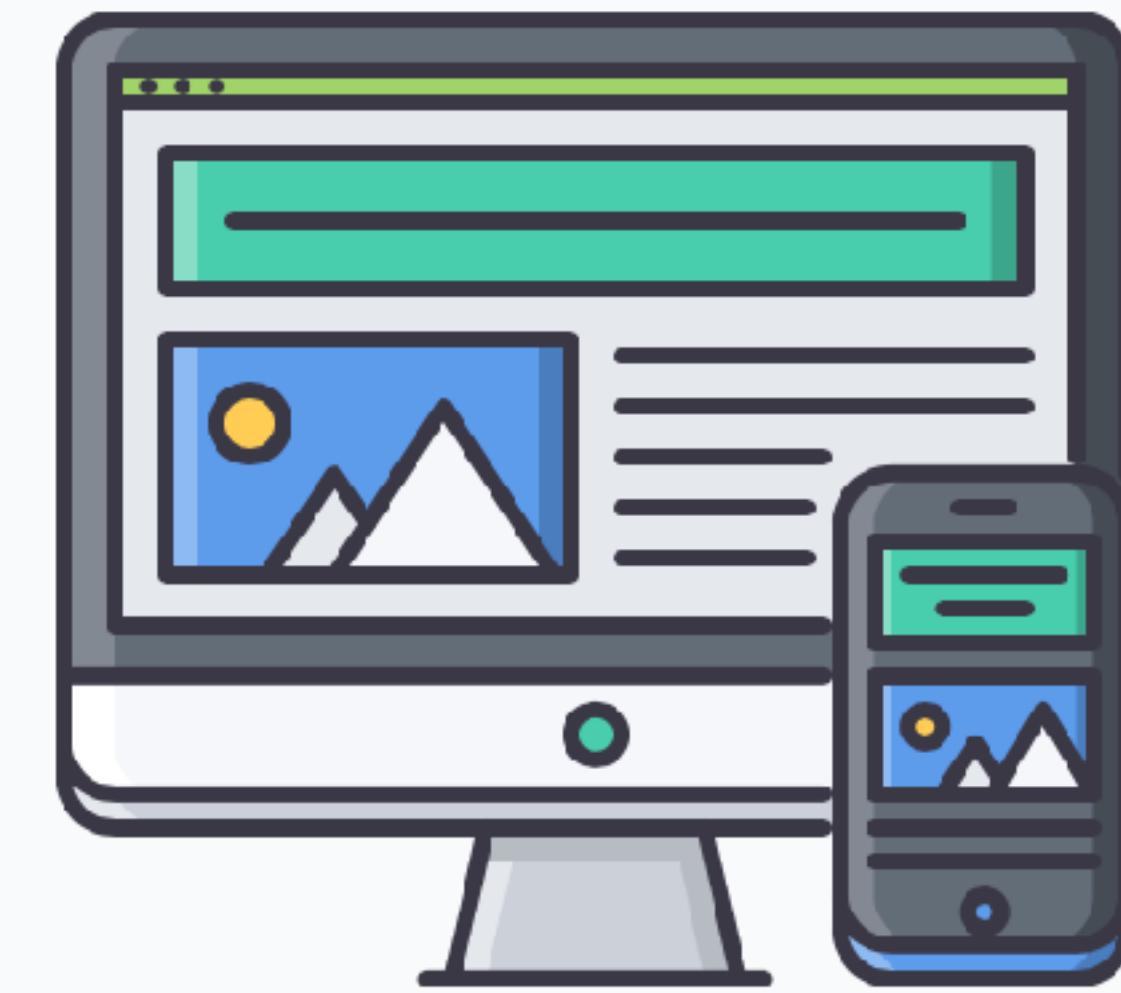
User Interface



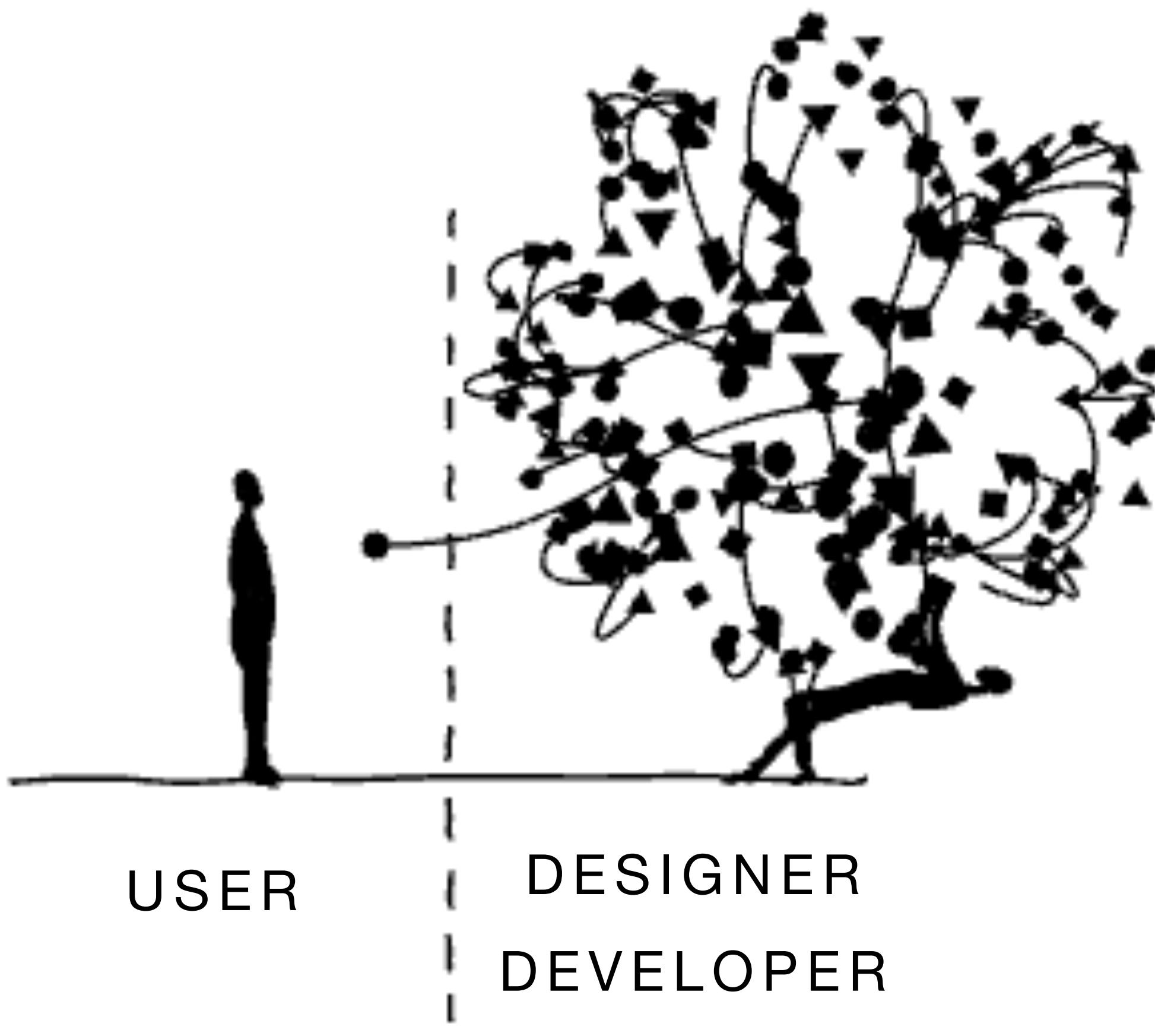
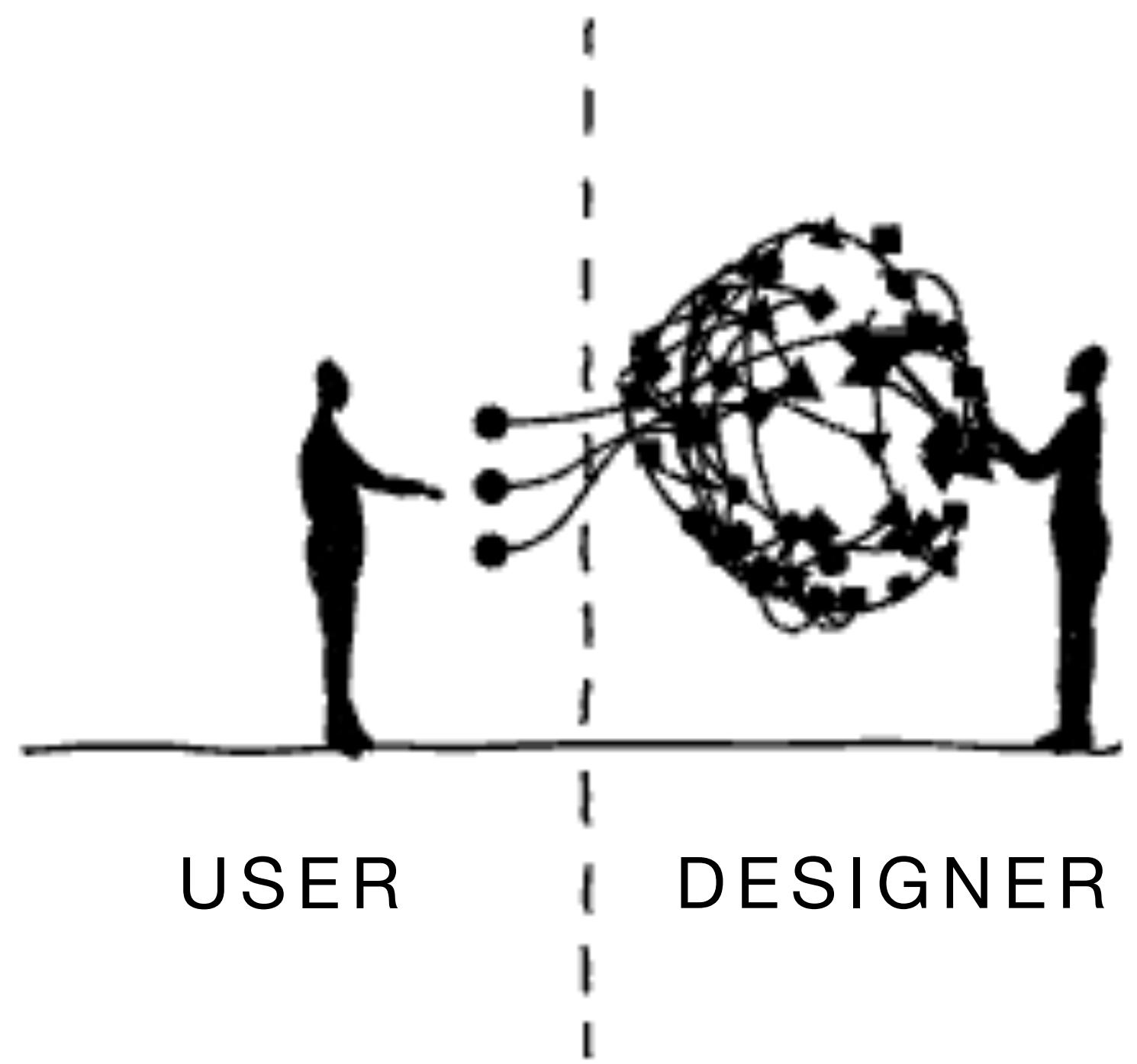
all the ways in which a person can interact with a machine or system; including computerised systems.

GUI

Graphical User Interface



A subset of user interfaces where the main way the computer systems communicate are through graphics on displays.



MARLENE AHLGREEN
JENSEN
DESIGNUNDERVISER

Hvem er jeg?

- Marlene
- Designlærer siden 2008
- Passioneret omkring at tegne, farver, typografi, animationer

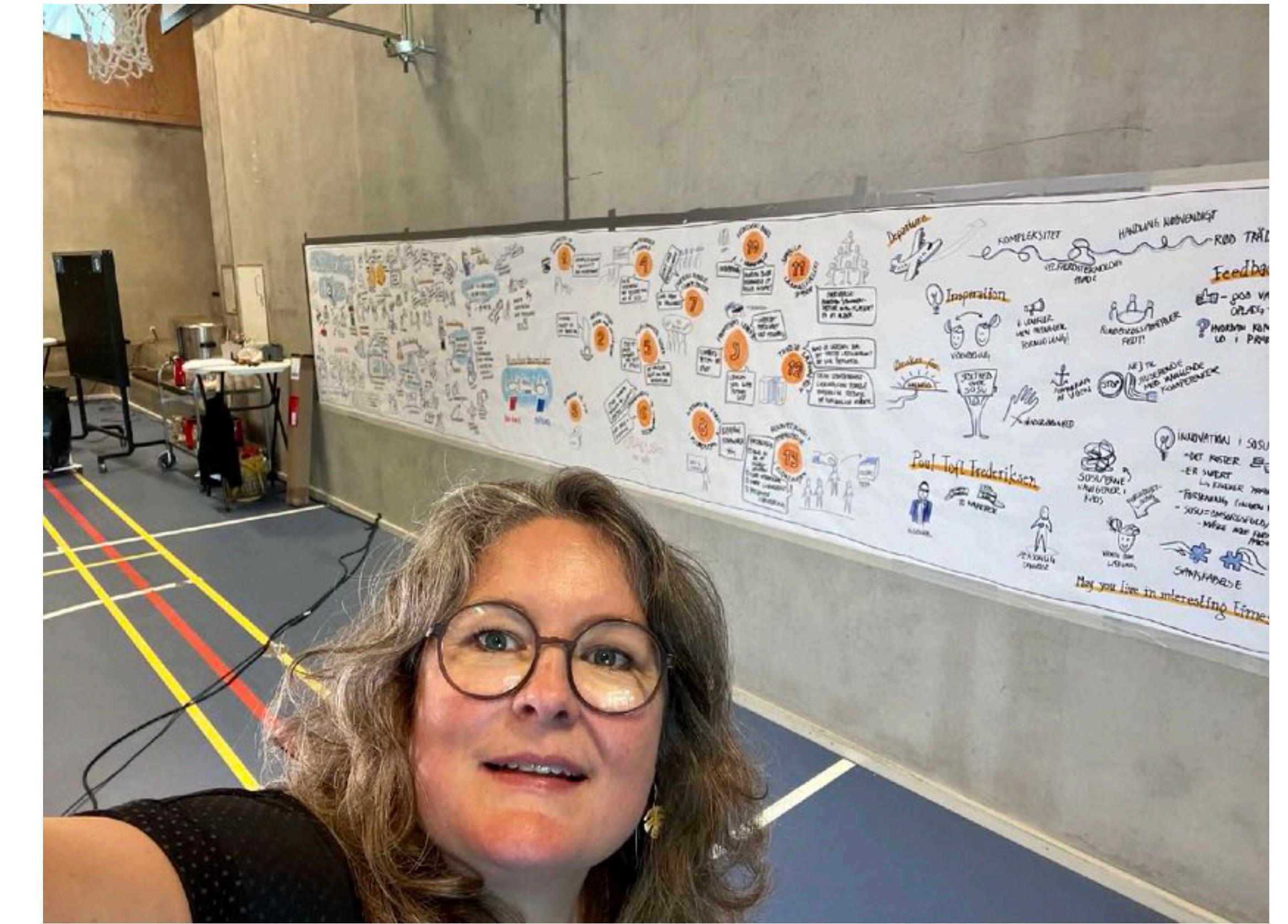
Totemdyr:

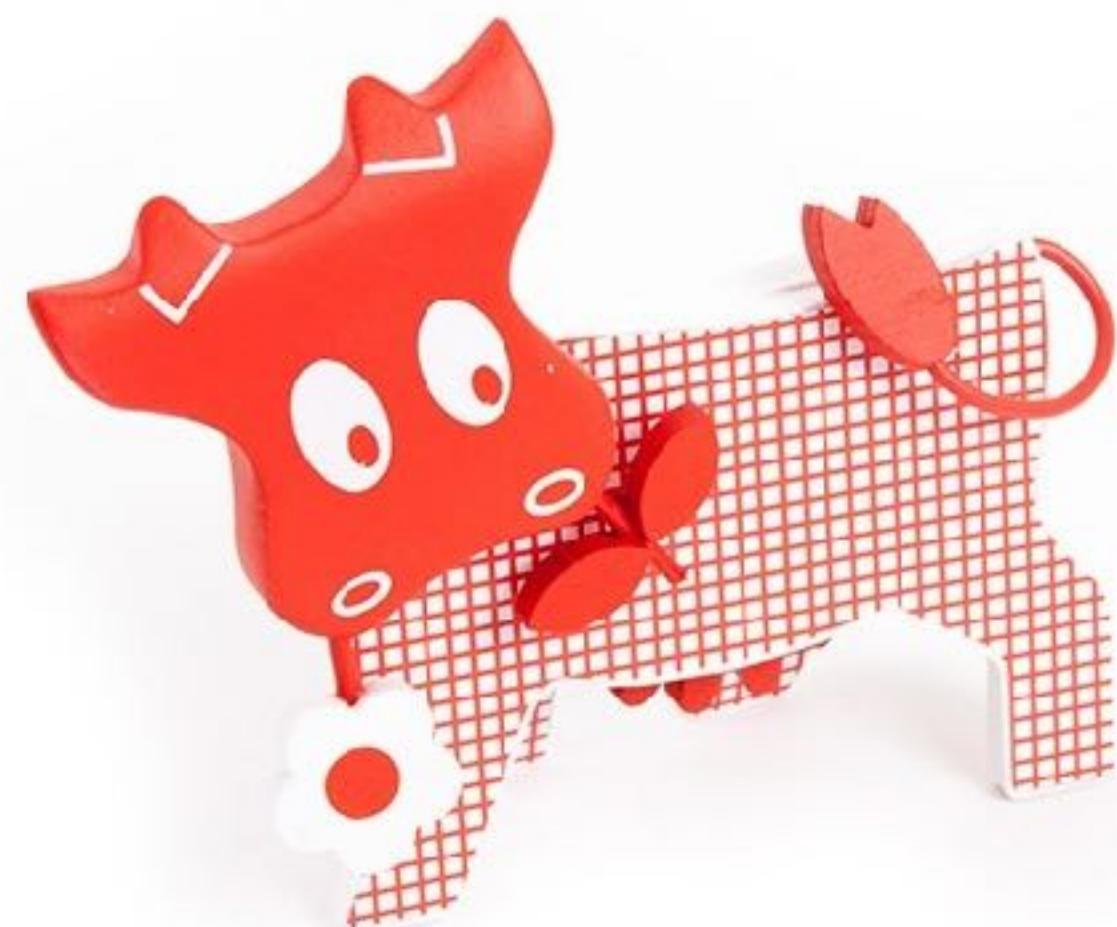




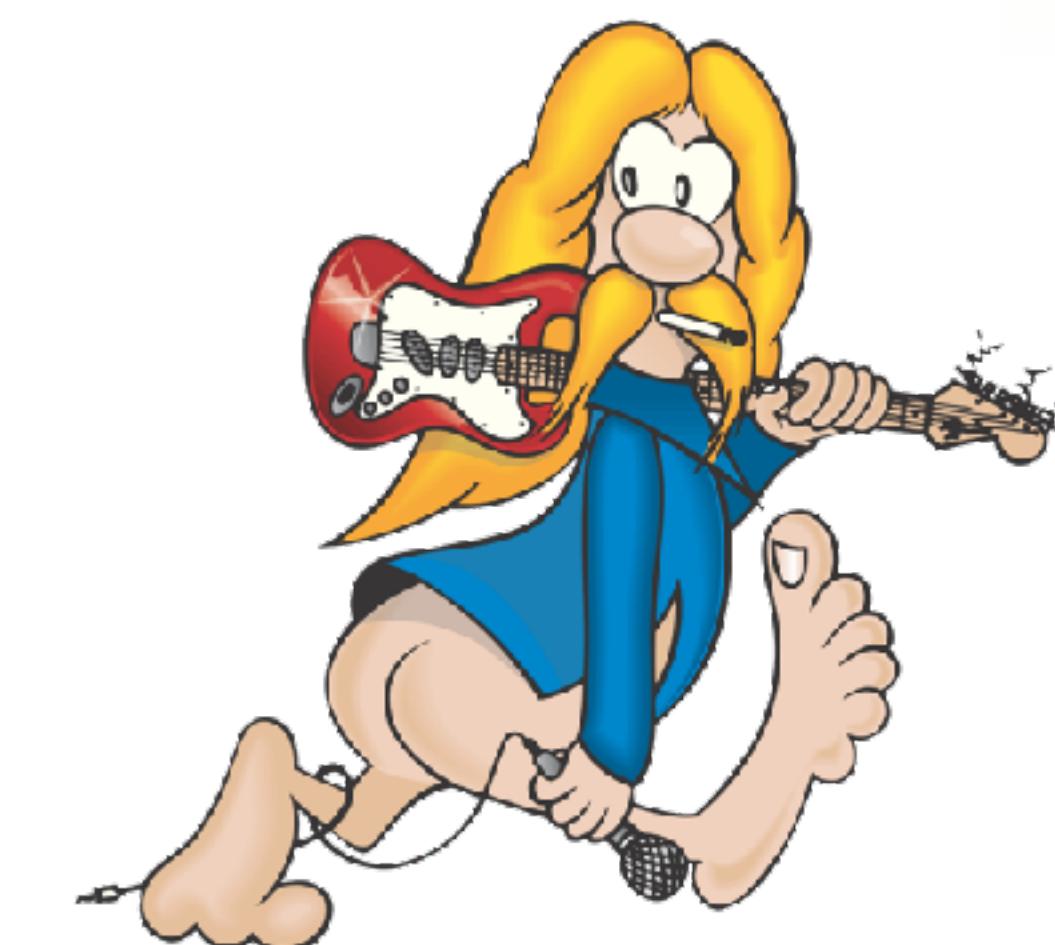
Hvis du var et dyr?

Tegn Jeres totemdyr

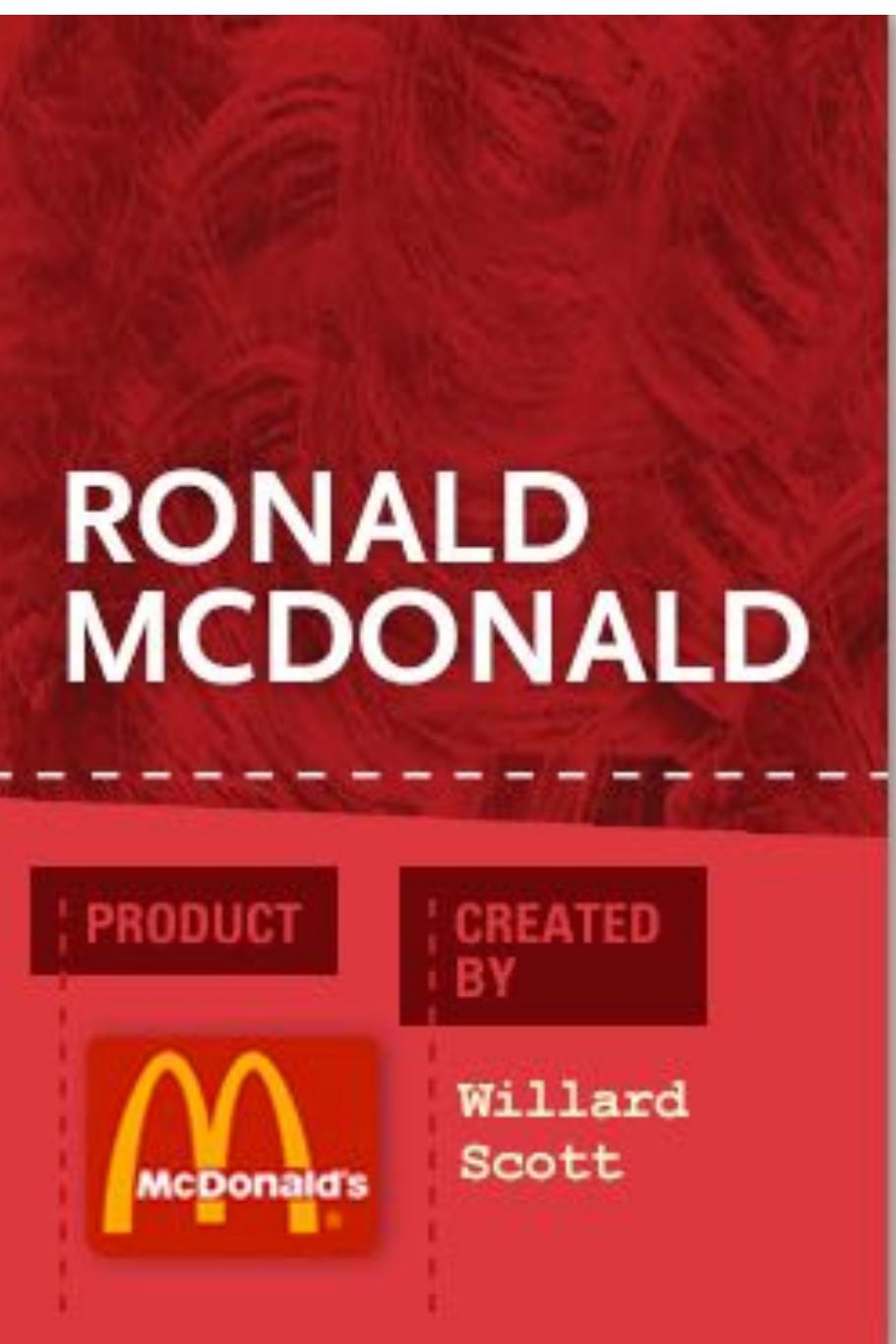




PLAY
COMME des GARÇONS







Introduced
1963



1971



1978

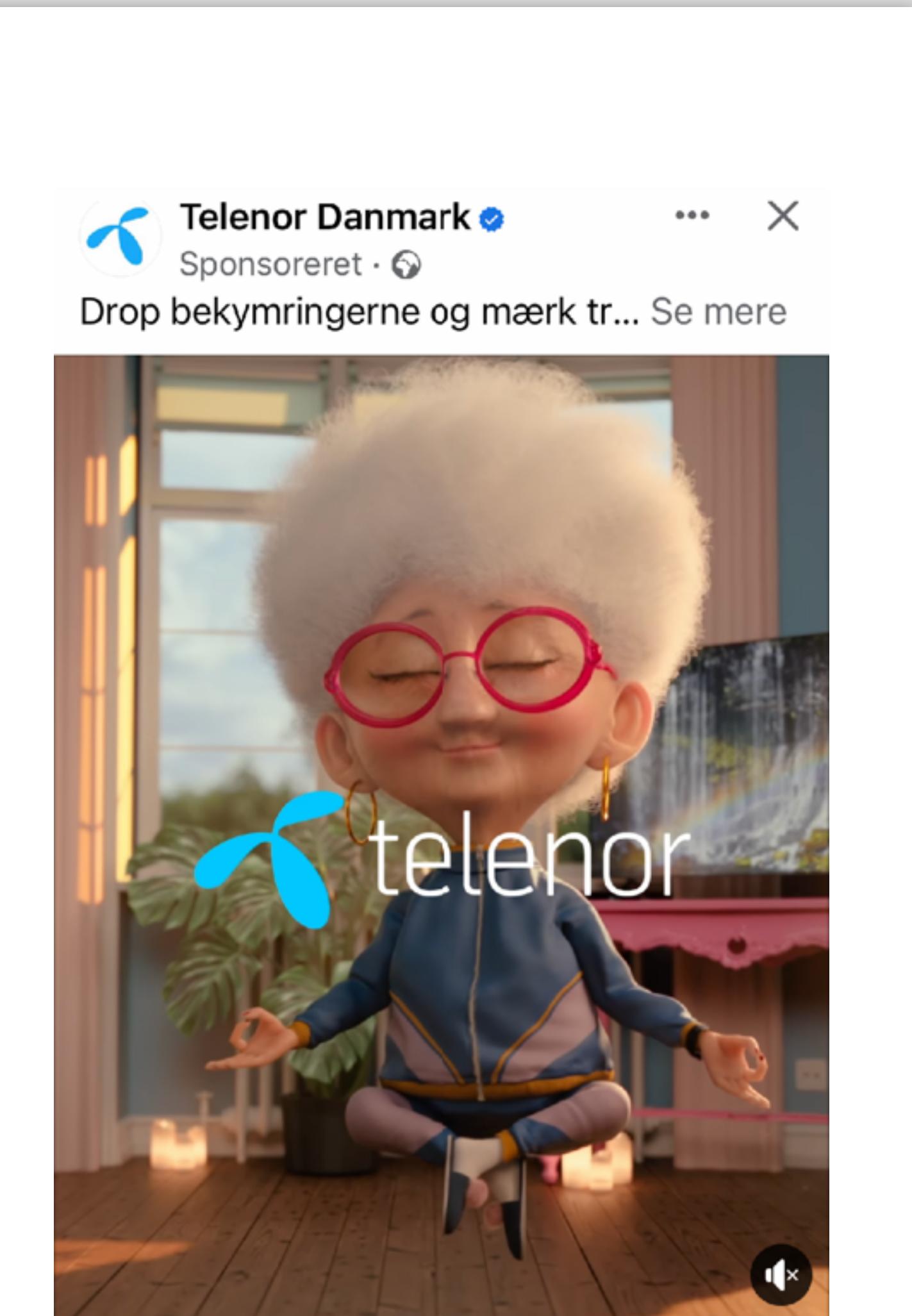


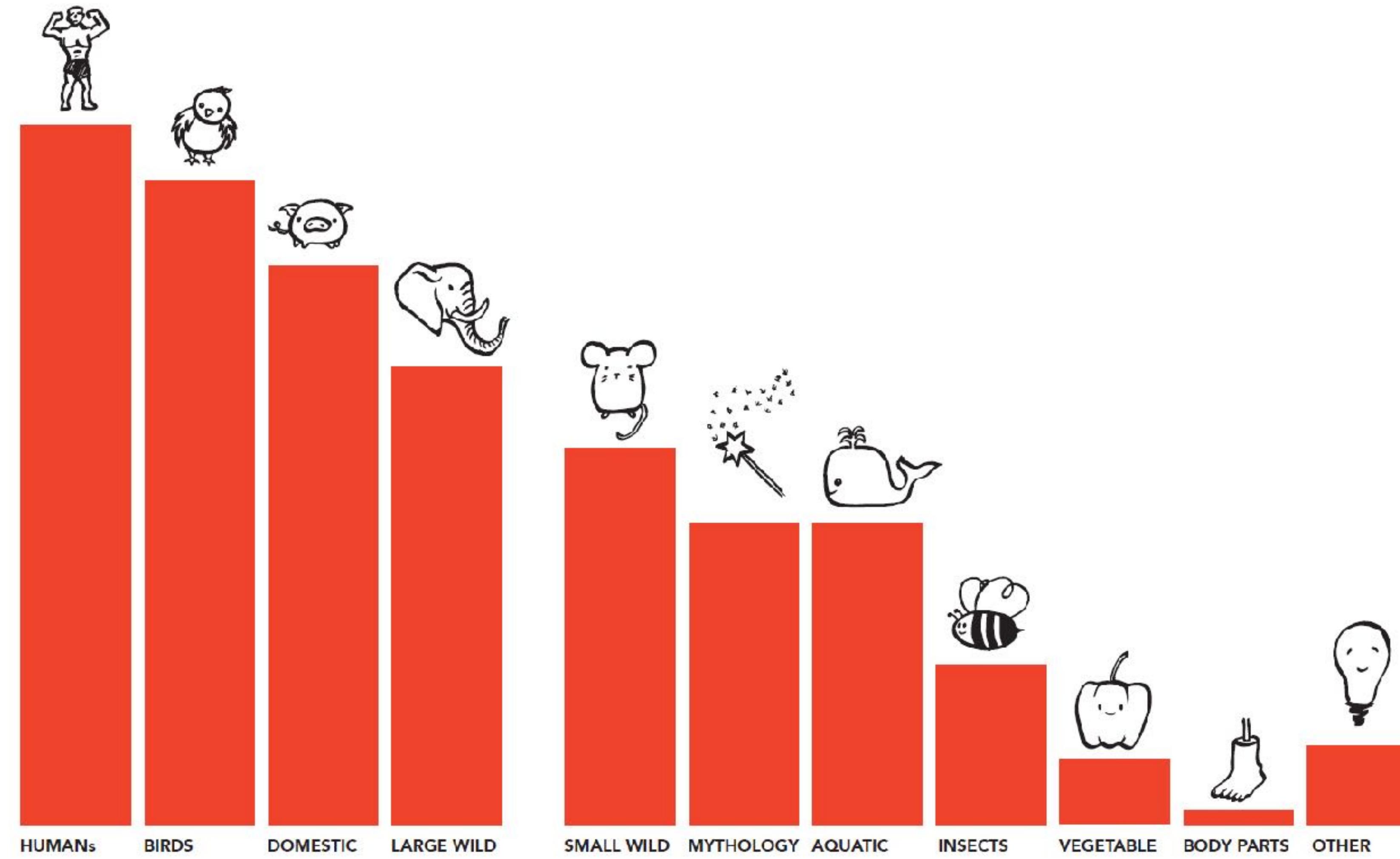
1980



2003
Through Present







Visuel identitet



Google Logotype



Maps



Photos



Dots



Google G



Drive

Source: BRAND NEW blog post, September 2, 2015

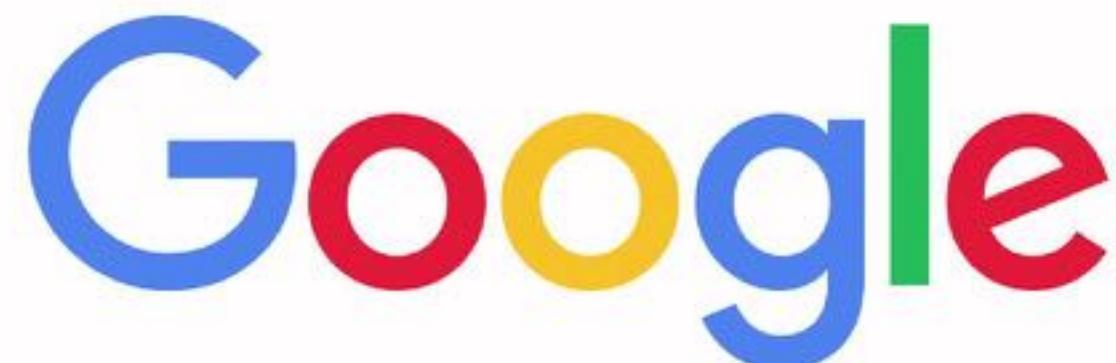


Tegn berømte logoer fra hukommelsen

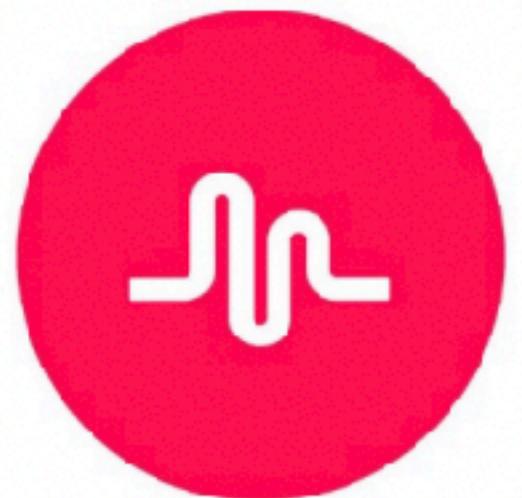
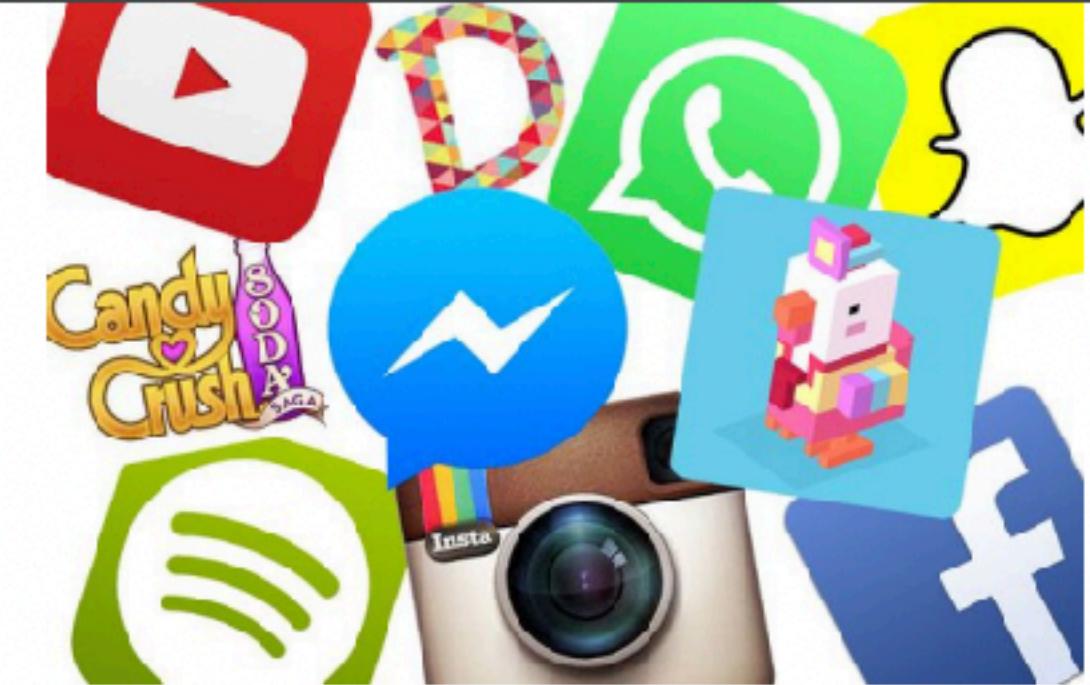
Google, 7 Eleven, Apple, Adidas, LEGO, Arla, Starbucks

https://www.boredpanda.com/famous-brand-logos-drawn-from-memory/?utm_source=google&utm_medium=organic&utm_campaign=organic

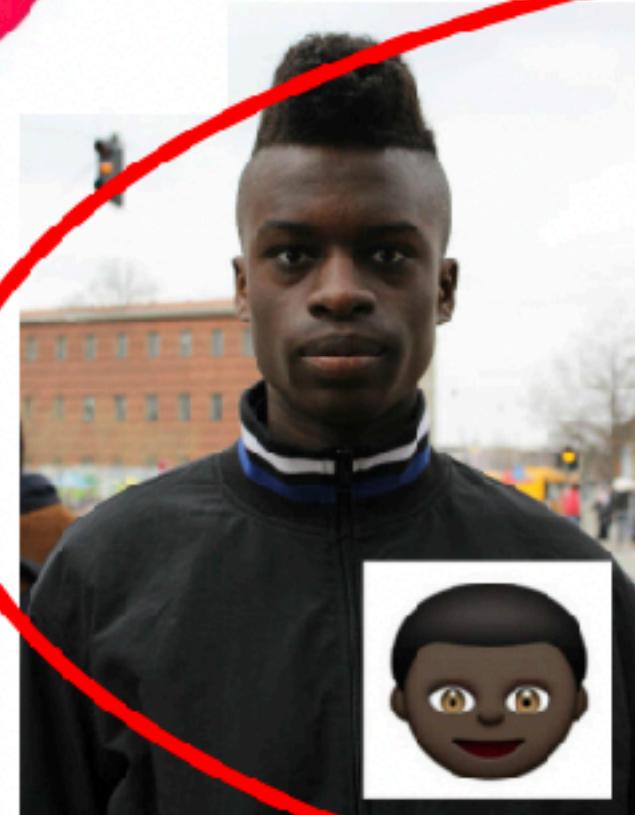
Hvad er vigtigt når man designer et logo?



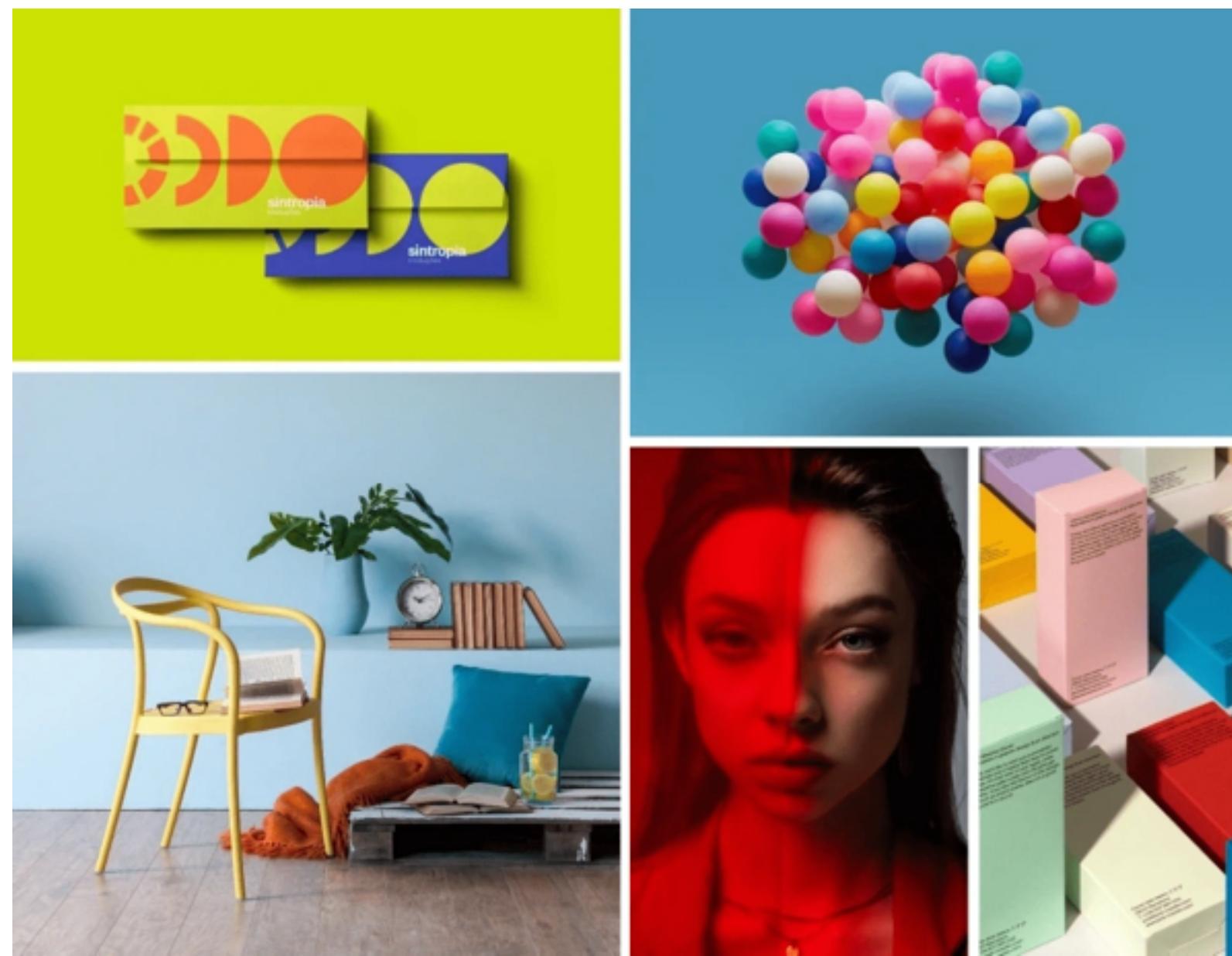




CUSTOMER
ANALYSIS
ADVERTISING
MARKET
SALES
PROMOTION
PRICE
INTERNET
TARGET



Trends

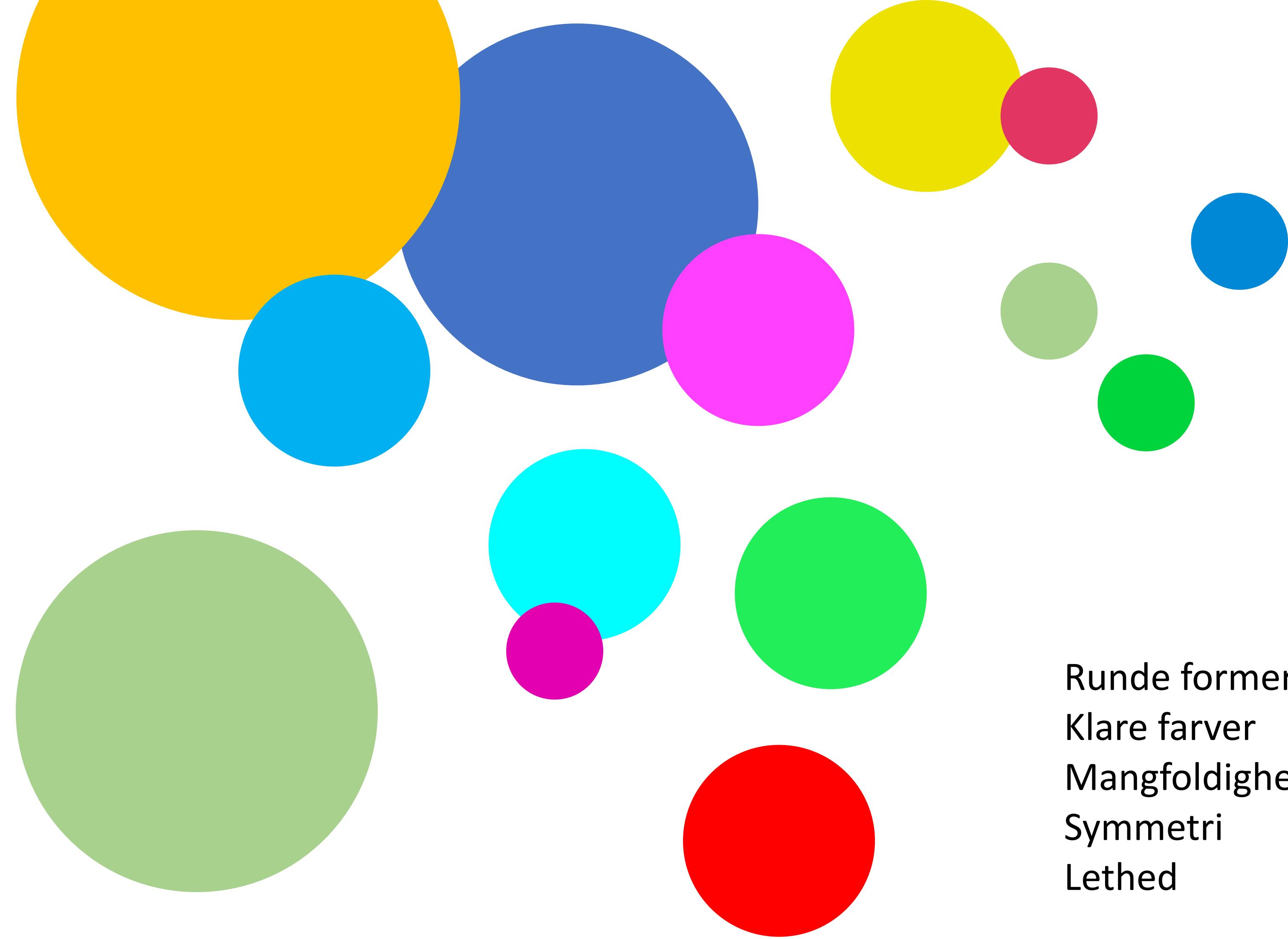


44 Types of Content Formats

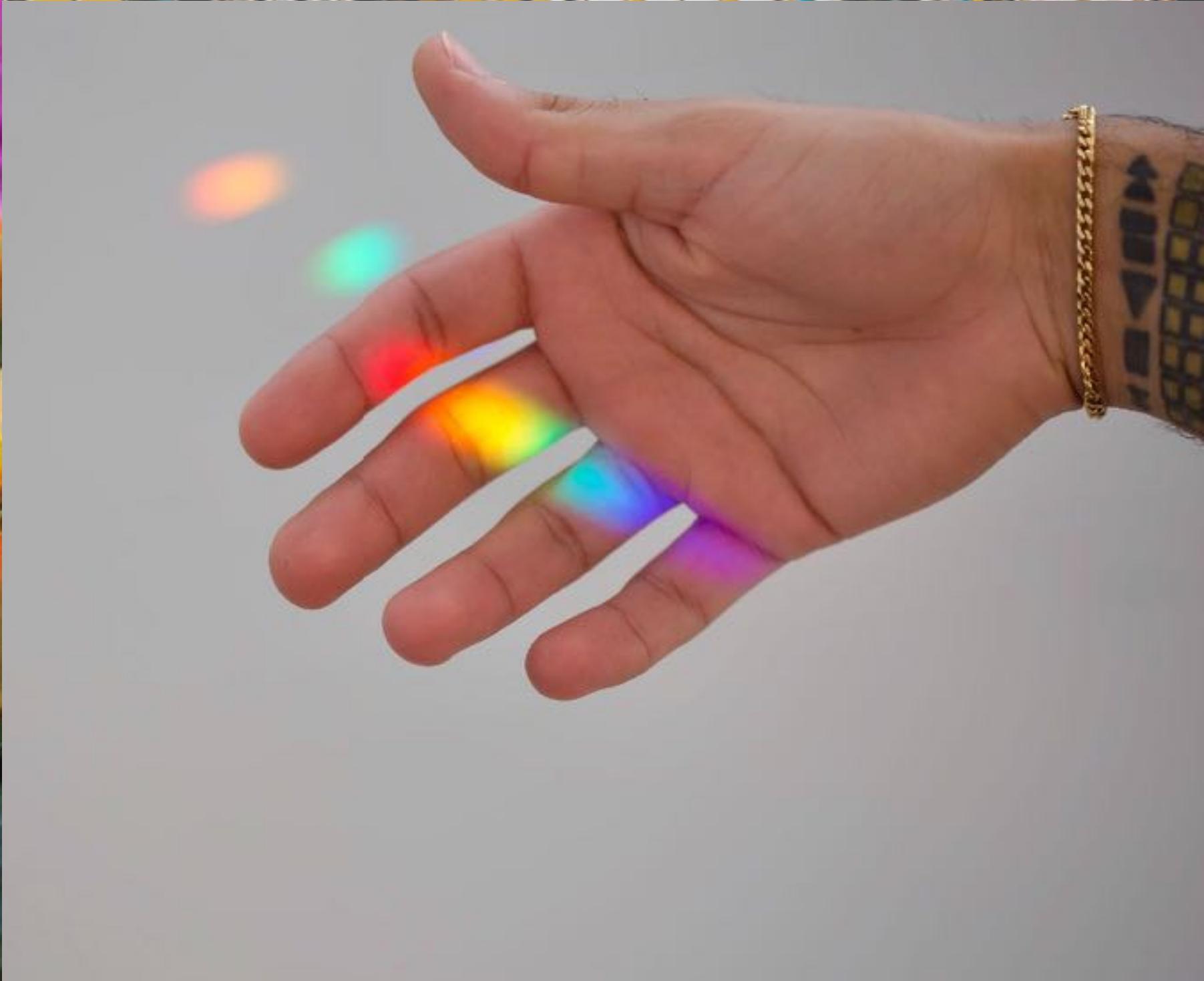
- | | | | |
|---|---|--|---|
| 01  How-to's | 12  Helpful Application / Tool | 23  Q & A Session | 34  Polls |
| 02  Content Curation | 13  Opinion Post | 24  Webinar | 35  Podcasts |
| 03  Case Studies | 14  White Papers | 25  Guides | 36  Pinboards |
| 04  Charts / Graphs | 15  Vlog | 26  Dictionary | 37  Photo Collage |
| 05  Ebooks | 16  Videos | 27  "Day in the Life of" Post | 38  Original Research |
| 06  Email newsletters / Autoresponders | 17  Templates | 28  Infographics | 39  Press release |
| 07  Cartoons / Illustrations | 18  Surveys | 29  Interview | 40  Photos |
| 08  Book summaries | 19  Slideshares | 30  Lists | 41  Predictions |
| 09  Tool Reviews | 20  Resources | 31  Mind Maps | 42  User Generated Content |
| 10  Giveaways | 21  Quotes | 32  Meme | 43  Company News |
| 11  FAQ's | 22  Quizzes | 33  Online Game | 44  Timelines |

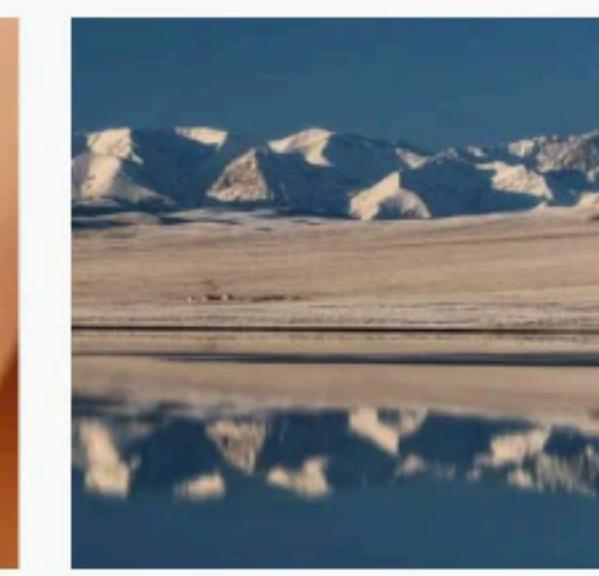
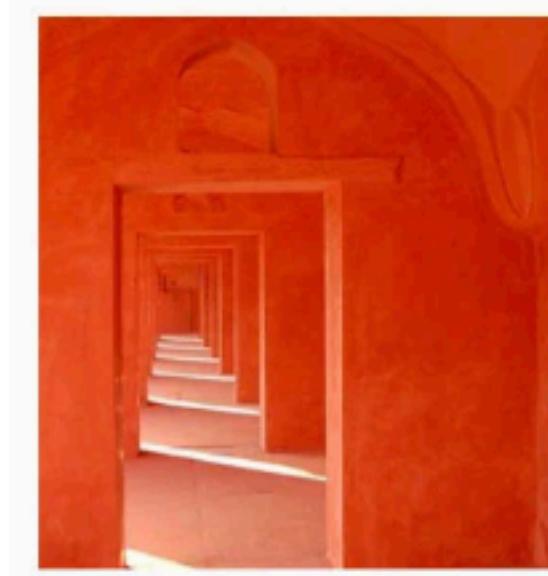






Runde former
Klare farver
Mangfoldighed - overflod
Symmetri
Lethed



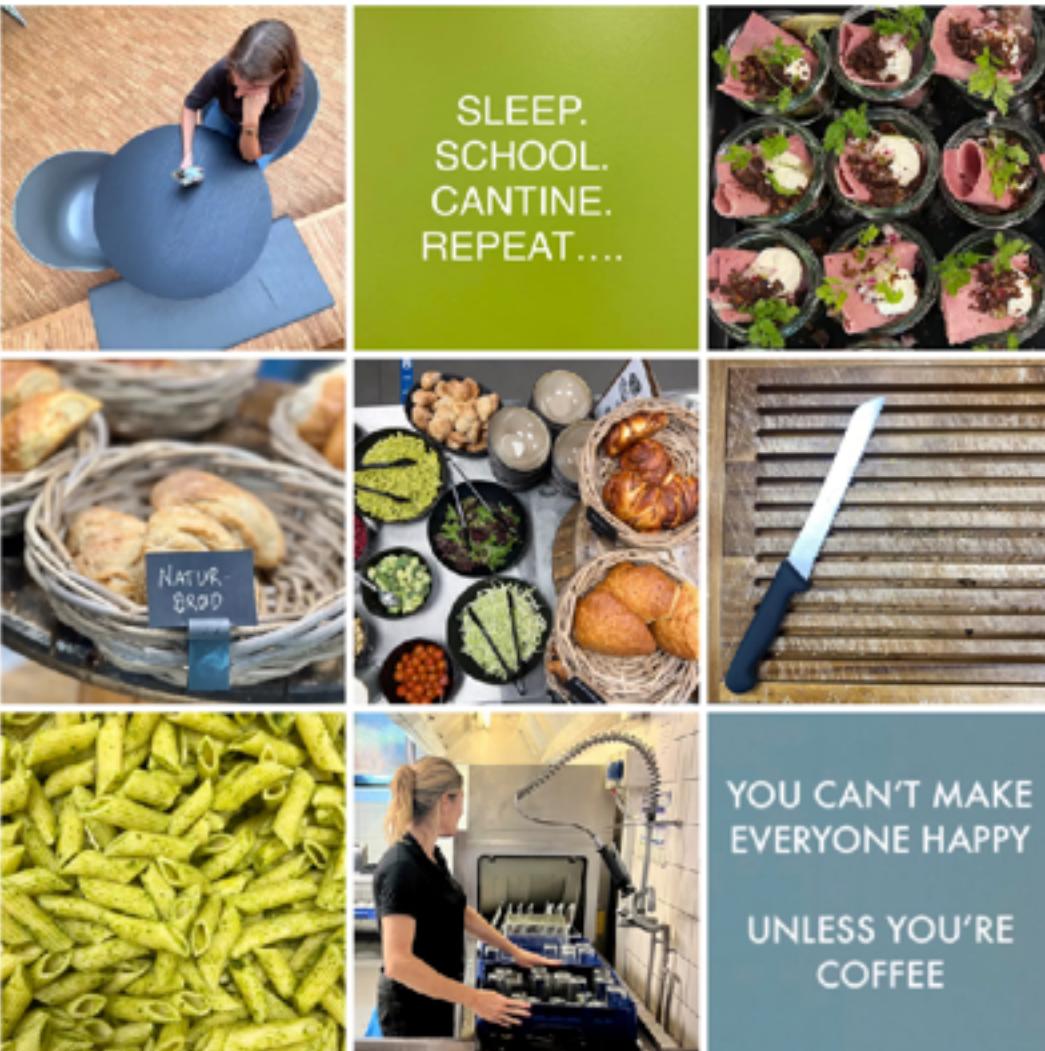




Content produktion

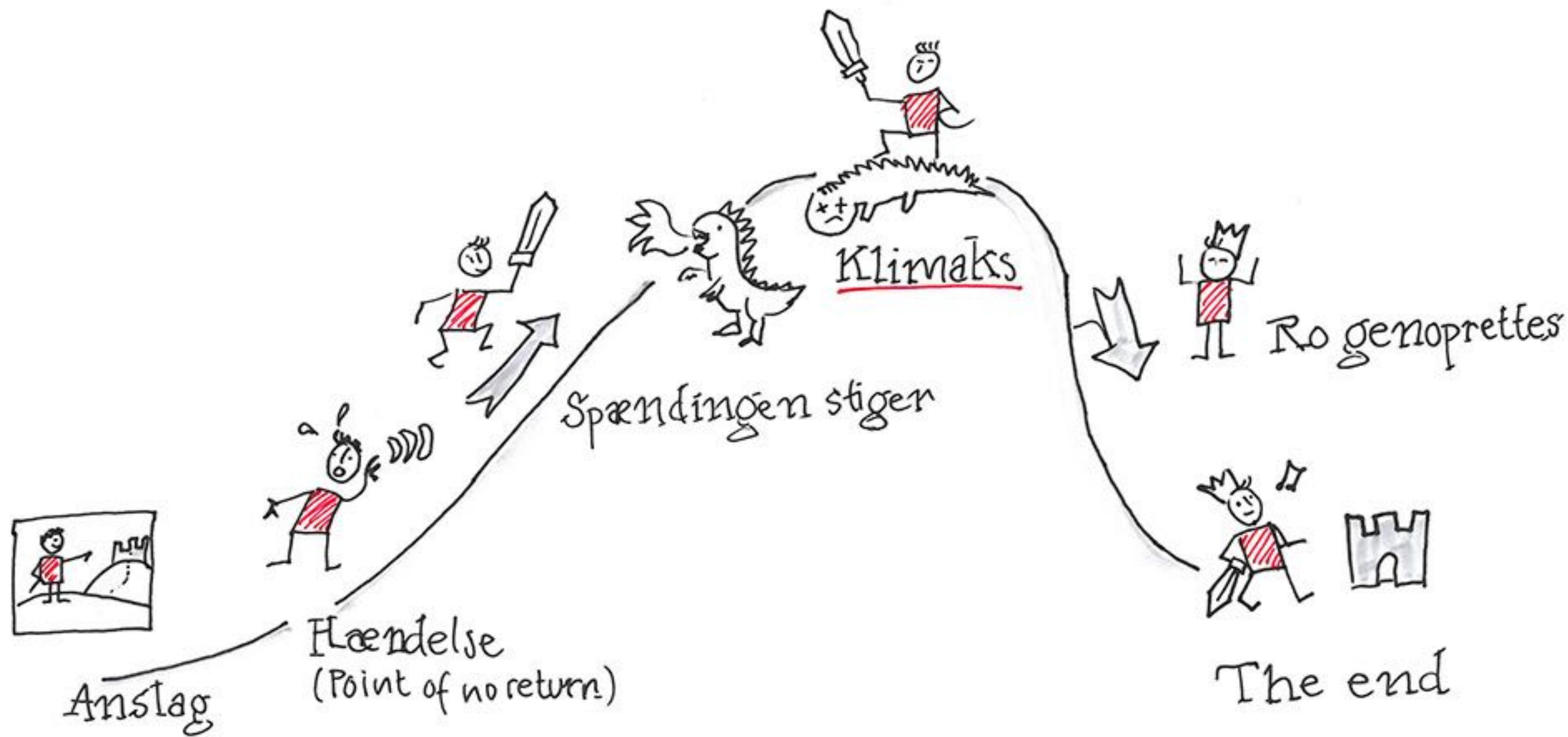


Kantinensh30



Still-billede content der fanger øjet

Komponér et insta-feed til kantinen, hvor I fokuserer på billeder der fanger øjet, og giver dig lyst til at spise deres mad.



Historiefortællingens dna



C.W. looks on Clay. "There are no
choices," intent C.W.S of Clay

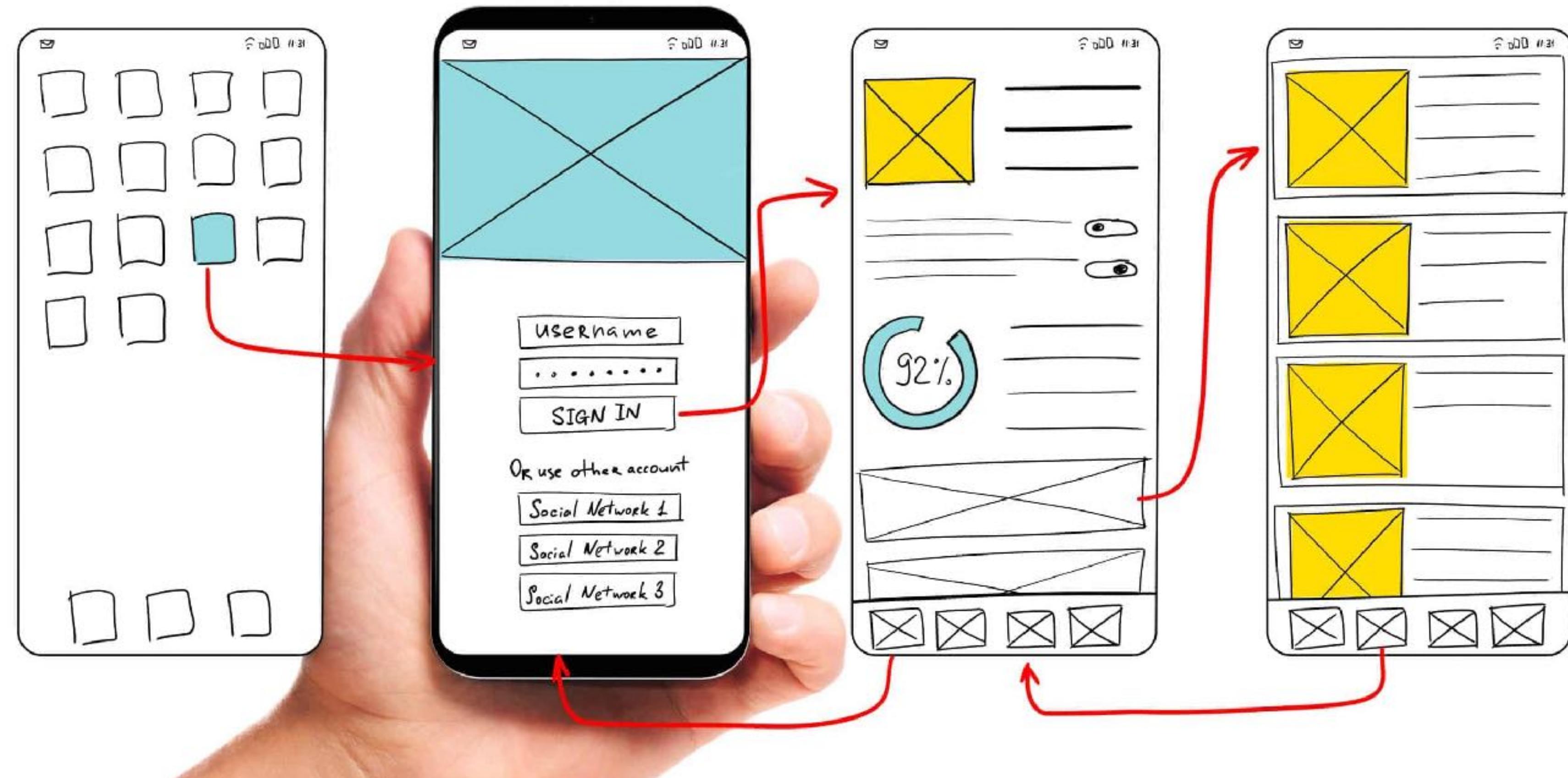


Laura "Clay..."



clay: "Get out!"





MARIA LOUISE
BENDIXEN
UX- OG CONTENTUNDERVISER

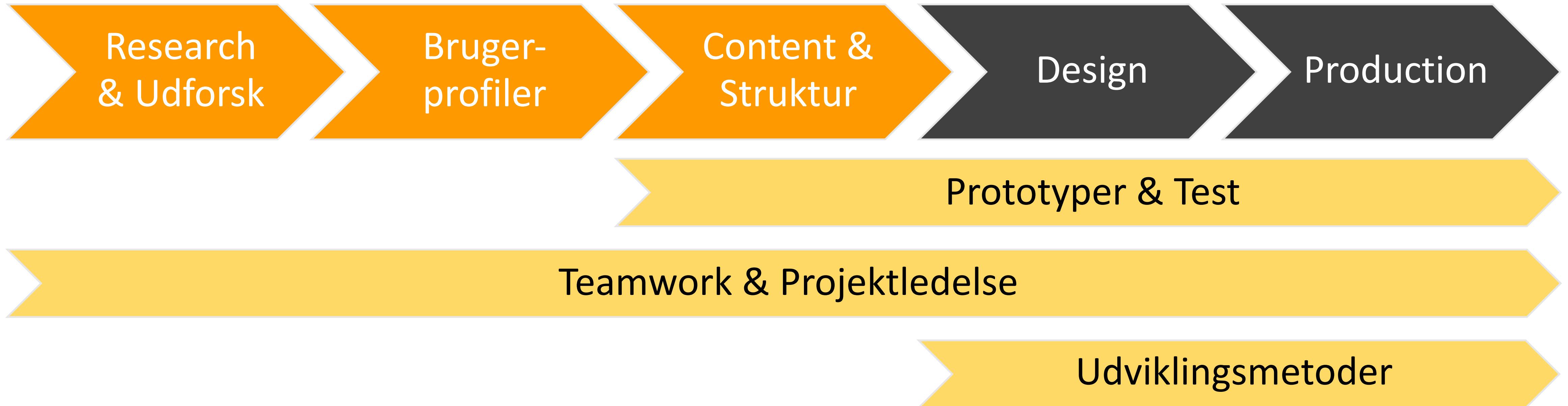
Okt 25

Tænk på brugeren



>

Ved underviser i UX og content
Maria Louise Bendixen



RESEARCH



Hvad er en god morgen for dig?
Hvilken betydning har det for resten af din dag?



Interviews
Observationer
Online søgning
Spørgeskema

Brugerprofiler
Brugeroplevelser



Alarmen
ringer

Ud af sengen

En tur
omkring
badeværelset

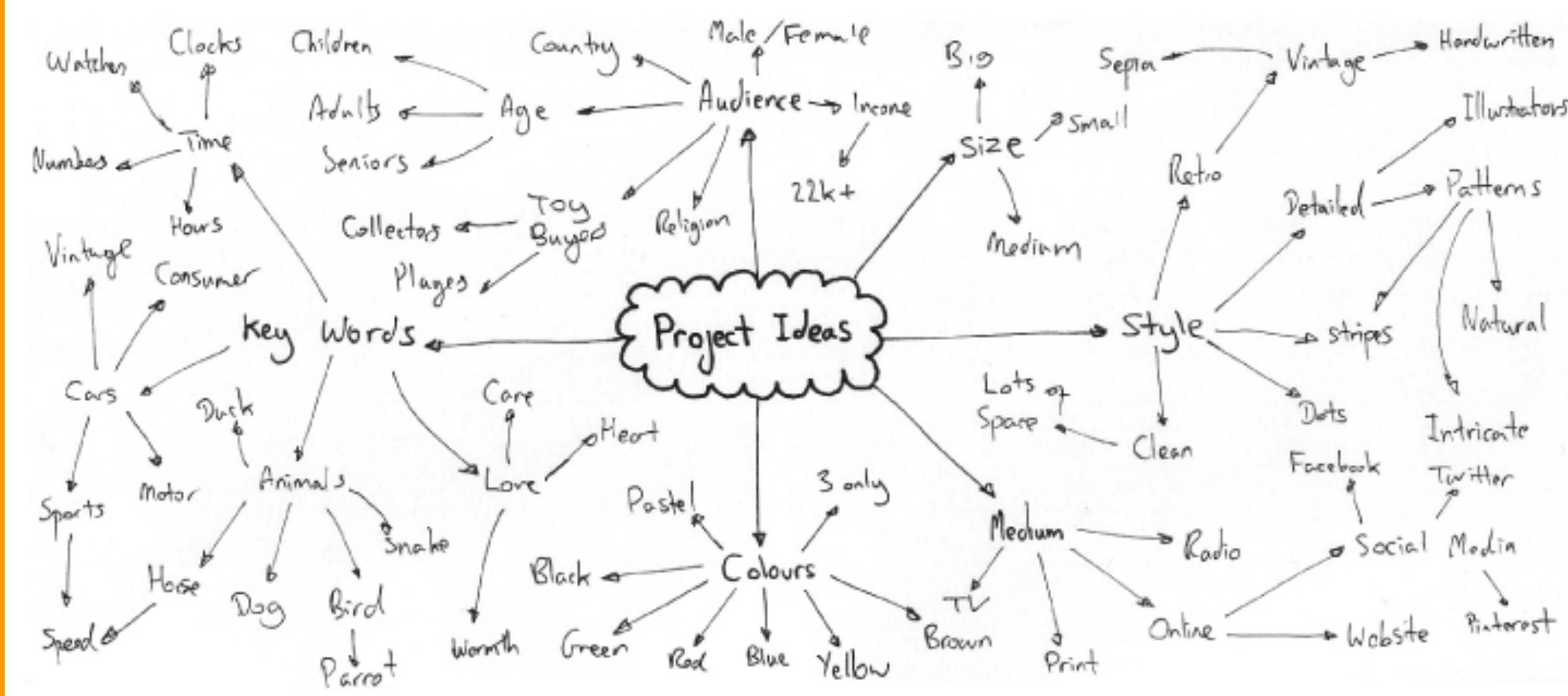
Morgenmad

Afsted til
skole/arbejde

MAPPING

Hvordan ser din morgen ud?
Hvilke morgenritualer har du?
Hvad fungerer godt?
Hvad kunne være bedre?

KREATIV



Brainstorms og mindmaps

creative benspænd og øvelser

Brainstorm på en mulig app

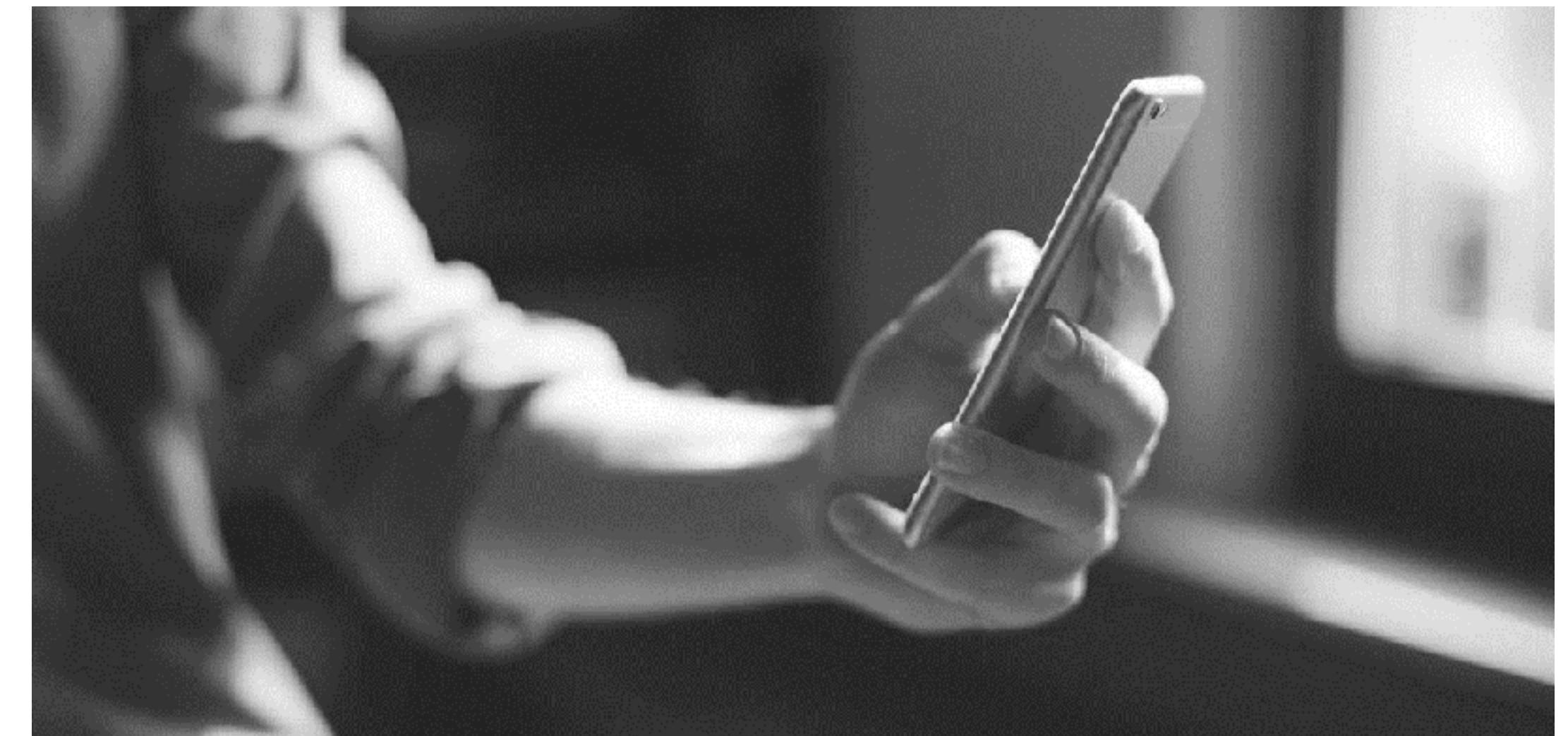
Hvad ville kunne gøre din morgen lettere?

I forhold til at stå op?

Gøre dig klar?

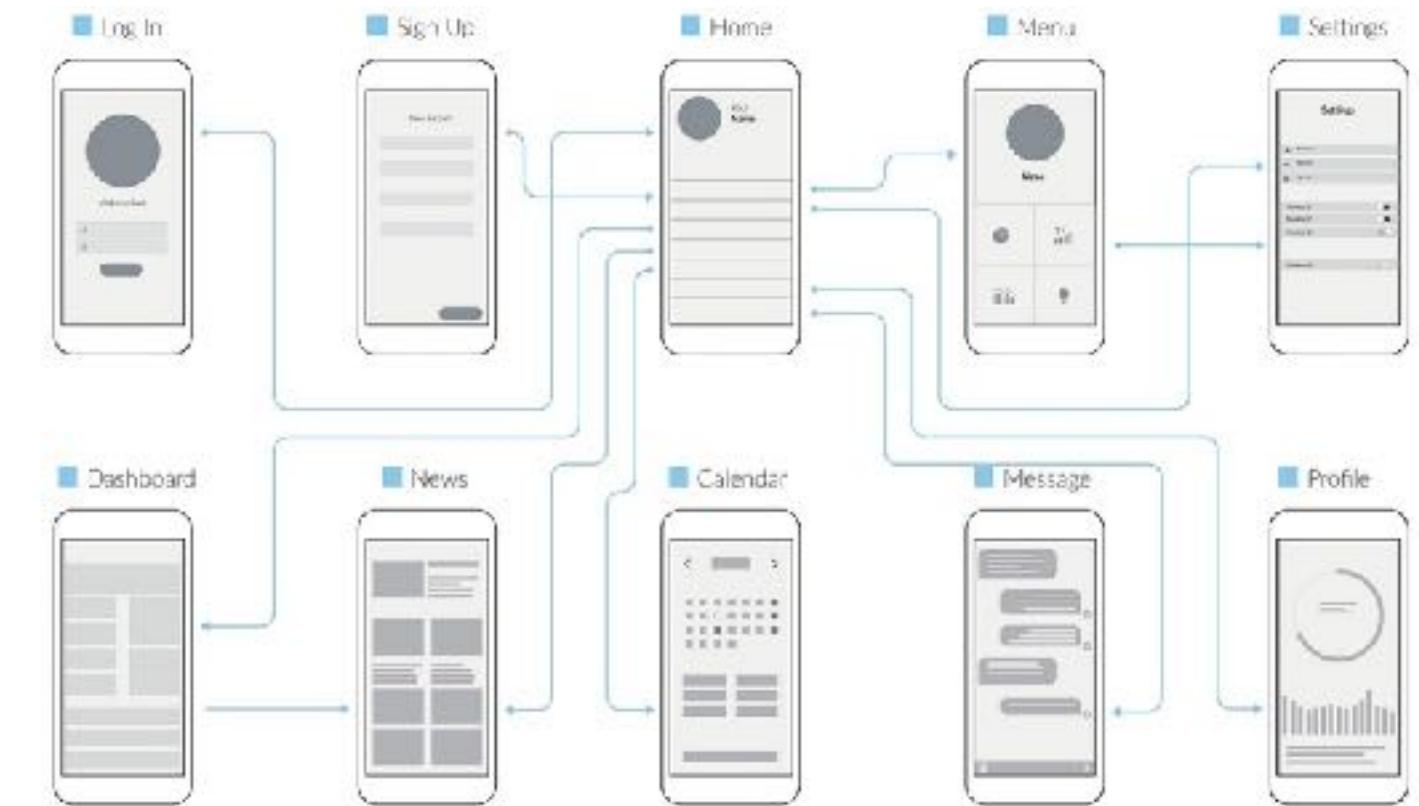
Morgenmad, påklædning, transporttid etc.?

Kan appen kombinere flere af disse opgaver?





Lasalle
Lotus
Mambo
Merlin



Brainstorm på stil: farver og billeder

Hvilke farver signalerer morgen?

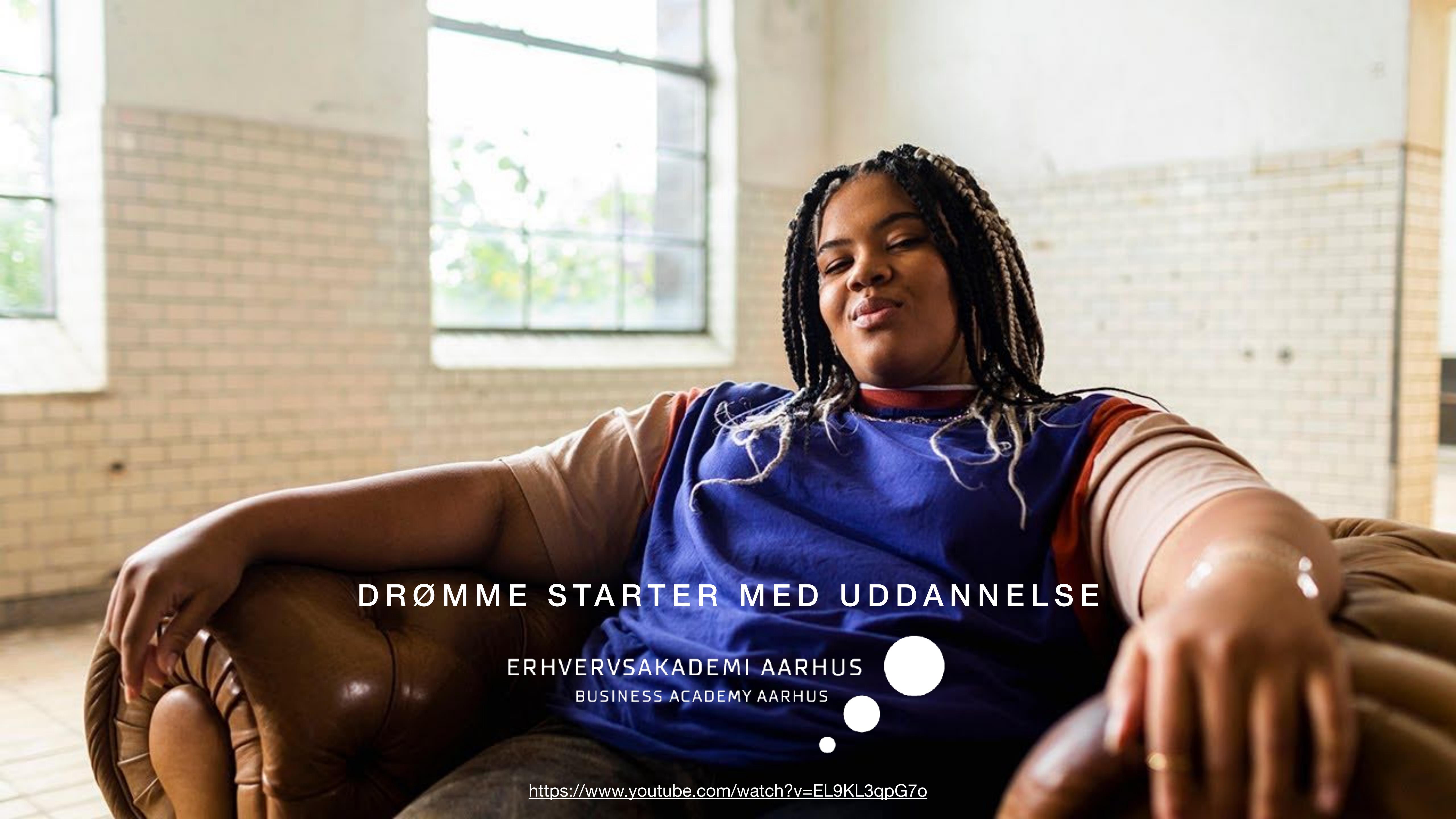
Hvilke billeder og illustrationer vil støtte op omkring stilen?
Kan vi gøre brug af videoer?

SKAB DIN LØSNING



- Interaktion på MDU
- Casearbejde / Besøg af nuværende studerende fra 3. semester
- Frokost
- Besøg af nuværende studerende fra 3. semester
- Afrunding og præsentation af casearbejde





DRØMME STARTER MED UDDANNELSE

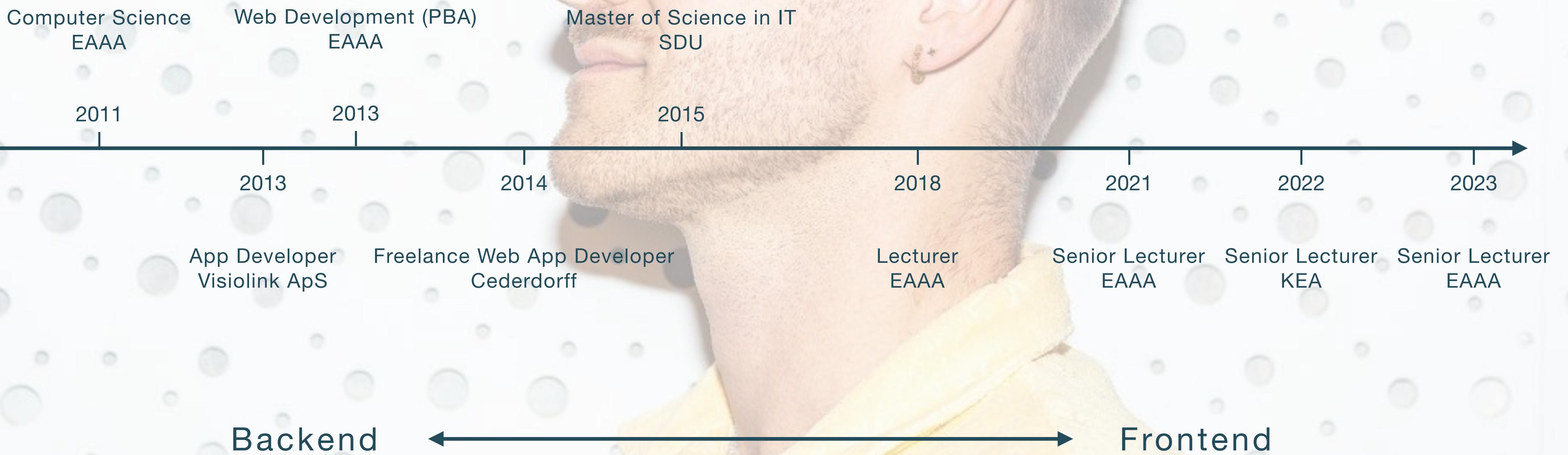
ERHVERVSAKADEMI AARHUS
BUSINESS ACADEMY AARHUS

<https://www.youtube.com/watch?v=EL9KL3qpG7o>

I'm Rasmus Cederdorff (RACE)
Senior Lecturer
Freelance Web App Developer

- Programming with an eye for UI and UX.
- Web Development, JavaScript, React, BaaS & Node.js
- “I speak JavaScript”.
- Websites, Webshops, Web Apps, Mobile Apps, Server App and BaaS.







I'm Rasmus Cederdorff
Holstebro
Alicia & Ida

From Holstebro
I'm into sports
Love (apple) gadgets, to take
pictures & interior design
projects

What's with my arm?

UDDANNELESENSTEKNIKE ELEMENTER

PROGRAMMERING AF BRUGERGRÆNSEFLADER OG INDHOLD

PROGRAMMERING TIL WEB

... ALT DET VI SER I EN BROWSER

Google

google.com

Gmail Billeder Log ind

Google

Google-søgning Jeg prøver lykken

Google er tilgængelig på: Føroyskt

Danmark

CO2-neutral siden 2007

Om Annoncering Erhverv Sådan fungerer Google Søgning Privatliv Vilkår Indstillinger

Elements Console ↗ 1 ↘ 1 ⚙ ⋮ X

```
<!DOCTYPE html>
<html itemscope itemtype="http://schema.org/WebPage" lang="da">
  <head>...</head>
  <body jsmodel="hspDDf" jsaction="YUC7He:.CLIENT;vPBs3b:.CLIENT;IVKTfe:.CLIENT;KsNBn:.CLIENT;sbTXNb:.CLIENT;xjhTIf:.CLIENT;02vyse:.CLIENT;Ez7VMc:.CLIENT;qqf0n:.CLIENT;me3ike:.CLIENT;IrNywb:.CLIENT;Z94jBf:.CLIENT;A8708b:.CLIENT;YcfJ:.CLIENT;A6SDQe:.CLIENT;LjVEJd:.CLIENT;VM8bg:.CLIENT;hWT9Jb:.CLIENT;WCulWe:.CLIENT;NTJodf:.CLIENT;szjOR:.CLIENT;PY1zjf:.CLIENT;wnJTPd:.CLIENT;JL9QDc:.CLIENT;kWlxhc:.CLIENT;qGMTIf:.CLIENT">
    <style data-iml="1634195875072">...</style>
    ... <div class="L3eUgb" data-hveid="1"> flex == $0
      <div class="o3j99 n1xJcf Ne6nSd">...</div> flex
      <div class="o3j99 LLD4me yr19Zb LS80J">...</div> flex
      <div class="o3j99 ikrT4e om7nvf">...</div>
      <div class="o3j99 qarstb">...</div>
      <div class="o3j99 c93Gbe">...</div>
    </div>
    <div class="Fgvgjc">
      <style data-iml="1634195875111">
        .Fgvgjc{height:0;overflow:hidden}</style>
      <div class="gTMtLb fp-nh" id="lb">...</div>
      <div jscontroller="fKZehd" style="display:none" data-u="0" jsdata="C4mkuf;_;AzQv+I" jsaction="rcuQ6b:npT2md">
      <span style="display:none">...</span>
      <script nonce="4eyH3+1nxzKy0S3HAsRNUA==">...</script>
      <div>...</div>
    </div>
  </div>
```

html body div.L3eUgb

Styles Computed Layout Event Listeners DOM Breakpoints ↗

Filter :hov .cls + []

```
element.style {
}
.L3eUgb {
  display: flex;
  flex-direction: column;
}
```

Erhvervsakademi Aarhus - EAA X +

← → C 🔒 eaaa.dk Incognito :

CANVAS E19FRONT CANVAS EAAA APPS MS OFFICE CURRICULUMS BOOKS

ERHVERVSAKADEMI AARHUS DA / INT

Menu

Videregående uddannelser

Erhvervsakademi- og professionsbachelor-uddannelser med ny teoretisk viden, undervisning på små hold, praktikophold og tæt kontakt til erhvervslivet.

Hvad leder du efter?

Få hjælp til din ansøgning

Find al den info, du skal bruge, når du skal søge ind på en videregående uddannelse

Efteruddannelse og kurser

Få nye kompetencer, du kan bruge i dit job med det samme eller som springbræt videre i karrieren.

Start på en videregående

DA / INT

Elements Console Sources Network Performance Memory Application Security Lighthouse ▲ 1 Settings

Filter :hov .cls

element.style { }

body { min-height: 100vh; overflow: auto visible; background-color: #eaebf1; }

body, html { width: 100%; }

body { margin: 0; font-family: din-2014,-apple-system,BlinkMacSystemFont,Segoe UI,europa,Helvetica Neue,Arial,Noto Sans,sans-serif,Apple Color Emoji,Segoe UI Emoji,Segoe UI Symbol,Noto Color Emoji; font-size: 1.0625rem; font-weight: 300; line-height: 1.41176; color: #000; text-align: left; background-color: #efefef; }

* { -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: grayscale; }

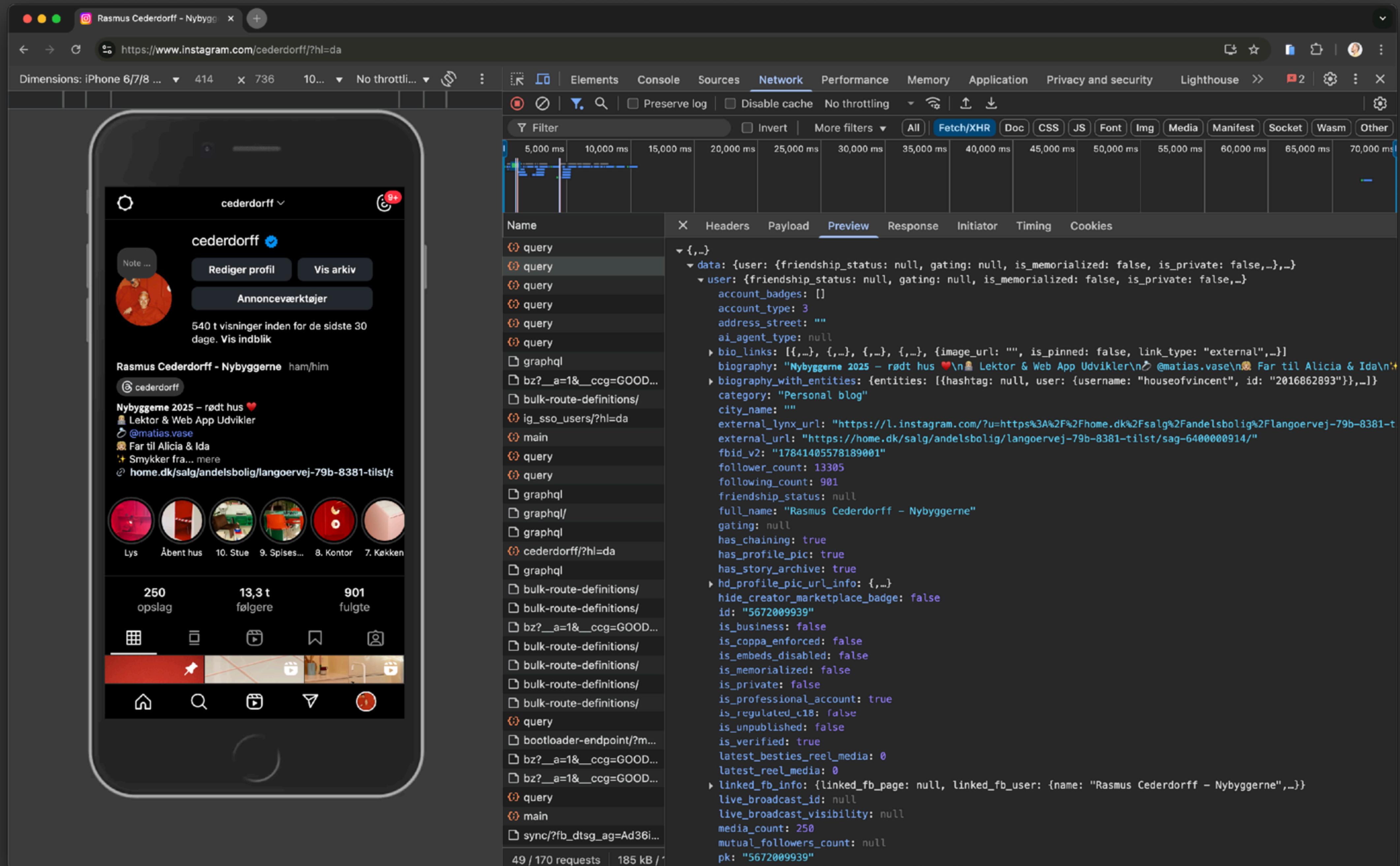
*, :after, :before { box-sizing: border-box; }

body { display: block; margin: 8px; }

Inherited from html

:root { --yellow: #ffc107; --white: #fff; --black: #000; --primary: #41697e; --secondary: #000; --success: #57b7cb; --info: #e4e6ed; --warning: #ffc107; --danger: #e83443; --gold: #c8a053; --green: #57b7cb; --blue: #41697e; --red: #e83443; --gray-300: #f3f4f7; --gray-400: #e4e6ed; --gray-700: #c3c5c9; --breakpoint-xs: 0; --breakpoint-sm: 400px; --breakpoint-md: 800px; --breakpoint-lg: 1000px; }

```
<!DOCTYPE html>
<html lang="da">
  <head>...</head>
  <body class=" == $0">
    <div class="cookie-overlay fade" id="cookieDialog" lang="da" dir="ltr" ng-non-bindable name="cookieDialog" style="display: none;">...</div>
    <!-- Google Tag Manager (noscript) -->
    <!-- End Google Tag Manager (noscript) -->
    <div class="main-wrapper">
      <header class="main-header">...</header>
      <div class="main">
        <div class="main-content">
          <div class="umb-element" id="uddannelser">
            <section class="p-default">
              <div class="row v-gutters align-items-stretch">
                <div class="col-12 col-md-6 grid01-item">...</div>
                <div class="col-12 col-md-6 grid01-item">...</div>
              </div>
            </section>
          </div>
          <div class="umb-element">...</div>
          <div class="umb-element" id="band-med-4-aktuelle-budskaber">...</div>
          <div class="umb-element" id="nyheder-title">...</div>
          <div class="umb-element" id="nyheder">...</div>
          <div class="umb-element" id="arrangementer-title">...</div>
          <div class="umb-element" id="arrangementer">...</div>
        </div>
        <div class="main-panel-wrapper">...</div>
        <footer class="main-footer">...</footer>
      </div>
      <script src="/main.20209281.js" defer></script>
      <div id="opacity-layer"></div>
      <iframe name="__uspapiLocator" tabindex="-1" role="presentation" aria-hidden="true" title="Blank" style="display: none; position: absolute; width: 1px; height: 1px; top: -9999px;">...</iframe>
      <iframe tabindex="-1" role="presentation" aria-hidden="true" title="Blank" src="https://consentcdn.cookiebot.com/sdk/bc.min.html" style="position: absolute; width: 1px; height: 1px; top: -9999px;">...</iframe>
      <script type="text/javascript" id="CookiebotCustomScript">...</script>
      <script type="text/javascript" id="...</script>
      <noscript>...</noscript>
      <script type="text/javascript" id="...</script>
      <noscript>...</noscript>
      <script height="0" width="0" style="display: none; visibility: hidden;" src="//6269280.fl.doubleclick.net/activity;src=6269280;type=besgw0;cat=d...cs=G111;audidc=1978665229.1603201714;~oref=https%3A%2F%2Fwww.eaaa.dk%2F?>...</script>
      <script type="text/javascript" id="fbq("trackCustom", "Engagement");</script>
    </body>
</html>
```



WEB TEKNOLOGIER

HTML



HTML

STRUCTURE
CONTENT

JS



JAVASCRIPT

FUNCTIONALITY
BEHAVIOR

CSS



CSS

LAYOUT / STYLING
PRESENTATION

HTML



HTML the Skeleton



CSS



CSS the Skin



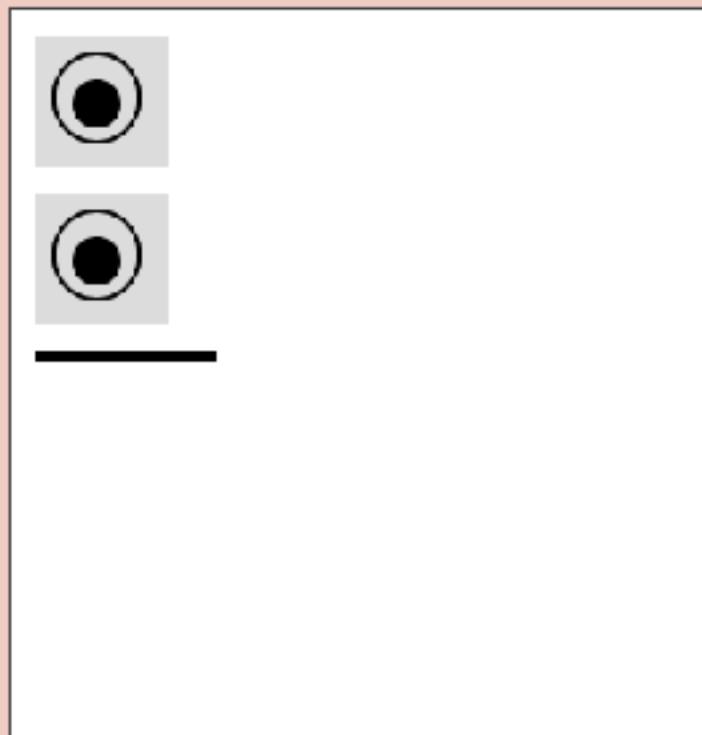
JS



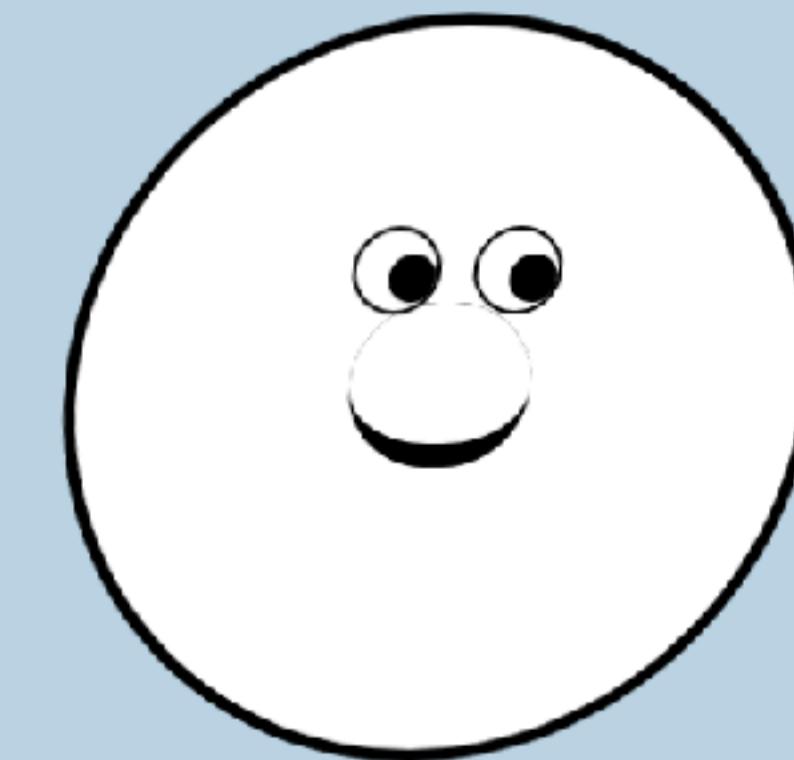
Javascript the Brain



HTML



HTML + CSS



HTML + CSS + JS

Click here to PLAY!



What is HTML?

- Hyper Text Markup Language
- Standard markup language for creating Web pages
- Describes the structure of a Web page
- Consists of a series of elements (tags)
- HTML elements tell the browser how to display the content
- HTML elements can be headings, paragraphs, links, etc.

https://www.w3schools.com/html/html_intro.asp

```
index.html x
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Page Title</title>
5    </head>
6    <body>
7      <h1>This is a Heading</h1>
8      <p>This is a paragraph.</p>
9    </body>
10   </html>
11
```

Anatomy of an HTML document

index.html x

Browser Tests

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Page Title</title>
5   </head>
6   <body>
7     <h1>This is a Heading</h1>
8     <p>This is a paragraph.</p>
9   </body>
10 </html>
```

< > ⌂

https://9nypo.csb.app/

This is a Heading

This is a paragraph.

```
index.html ×  
1  <!DOCTYPE html>  
2  <html>  
3    <head>  
4      <title>Page Title</title>  
5    </head>  
6    <body>  
7      <h1>This is a Heading</h1>  
8      <p>This is a paragraph.</p>  
9    </body>  
10   </html>  
11
```

The `<!DOCTYPE html>` declaration defines that this document is an HTML5 document

The `<html>` element is the root element of an HTML page

The `<head>` element contains meta information about the HTML page

The `<title>` element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

The `<body>` element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.

The `<h1>` element defines a large heading

The `<p>` element defines a paragraph

index.html

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Page Title</title>
5    </head>
6    <body>
7      <h1>This is a Heading</h1>
8      <p>This is a paragraph.</p>
9    </body>
10   </html>
```

```
<html>

  <head>
    <title>Page title</title>
  </head>

  <body>
    <h1>This is a heading</h1>
    <p>This is a paragraph.</p>
    <p>This is another paragraph.</p>
  </body>

</html>
```

The Purpose of the Browser

... to read HTML documents and display them correctly. The browsers use HTML elements (also called tags) to determine how to display the HTML documents and their content.

< > ⌂

<https://9nypo.csb.app/>

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Page Title</title>
5    </head>
6    <body>
7      <h1>This is a Heading</h1>
8      <p>This is a paragraph.</p>
9    </body>
10   </html>
11
```

This is a Heading

This is a paragraph.

index.html

styles.css

Browser Tests

```
1 body {  
2   font-family: Helvetica, Arial, sans-serif;  
3   text-align: center;  
4 }  
5
```

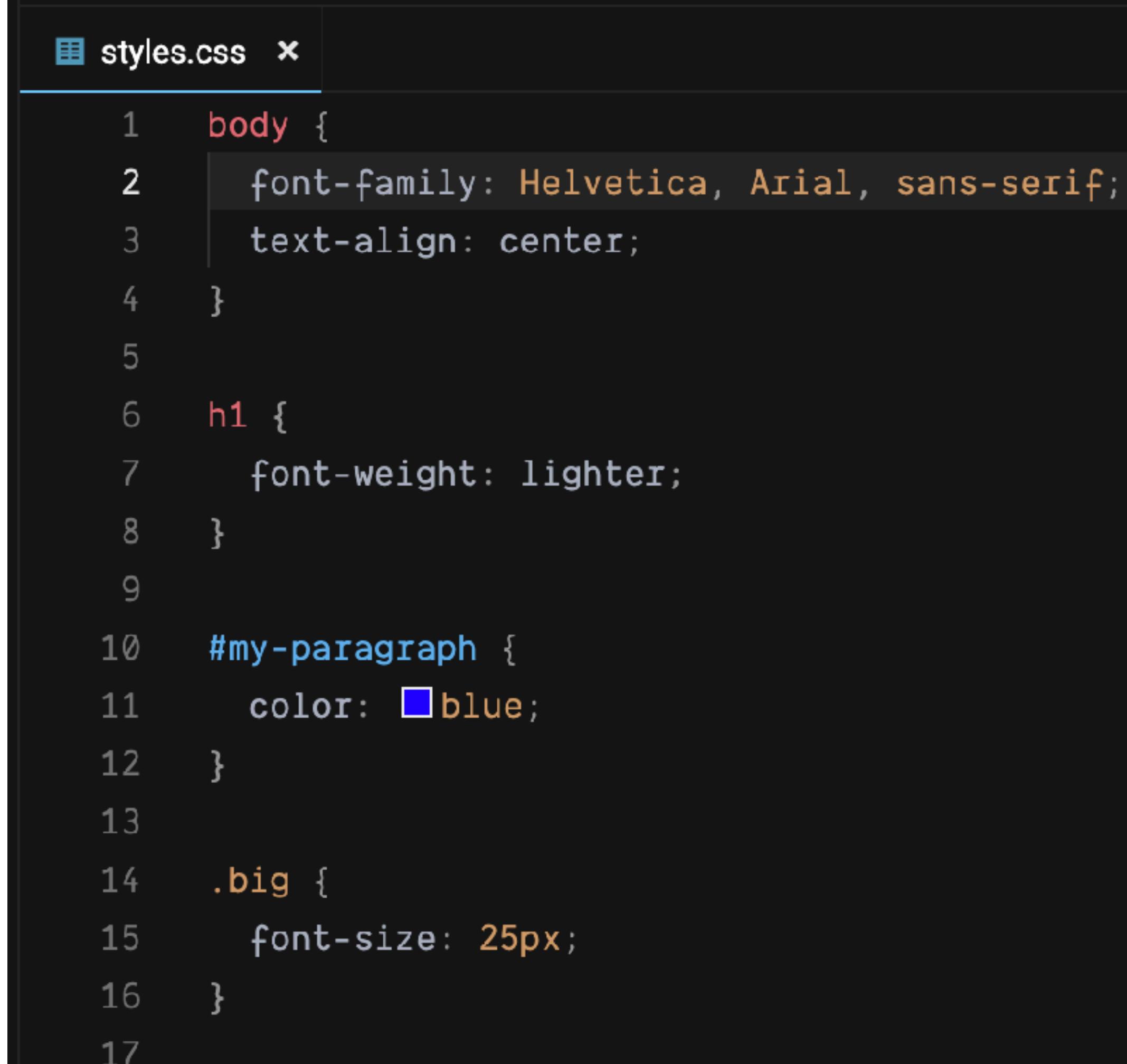
< > ⌂ https://9nypo.csb.app/

This is a Heading

This is a paragraph.

WHAT IS CSS?

- **CSS** stands for **Cascading Style Sheets**
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS **saves a lot of work**. It can control the layout of multiple web pages all at once
- External stylesheets are stored in **CSS files**



```
styles.css x
1 body {
2   font-family: Helvetica, Arial, sans-serif;
3   text-align: center;
4 }
5
6 h1 {
7   font-weight: lighter;
8 }
9
10 #my-paragraph {
11   color: blue;
12 }
13
14 .big {
15   font-size: 25px;
16 }
17
```

CSS Introduction

w3schools.com/css/css_intro.asp

Incognito

HTML CSS JAVASCRIPT SQL PYTHON PHP BOOTSTRAP MORE REFERENCES CERTIFICATES

COLOR PICKER

SHOP

HOW TO

Tabs
Dropdowns
Accordions
Side Navigation
Top Navigation
Modal Boxes
Progress Bars
Parallax
Login Form
HTML Includes
Google Maps
Range Sliders
Tooltips
Slideshow
Filter List
Sort List

CSS Tutorial

CSS HOME

CSS Introduction

CSS Syntax

CSS Selectors

CSS How To

CSS Comments

CSS Colors

CSS Backgrounds

CSS Borders

CSS Margins

CSS Padding

CSS Height/Width

CSS Box Model

CSS Outline

CSS Text

CSS Fonts

CSS Icons

CSS Links

CSS Lists

CSS Tables

CSS Display

CSS Max-width

CSS Position

CSS Overflow

CSS Float

Welcome to My Homepage

Use the menu to select different Stylesheets

Stylesheet 1

Stylesheet 2

Stylesheet 3

Stylesheet 4

No Stylesheet

Same Page Different Stylesheets

This is a demonstration of how different stylesheets can change the layout of your HTML page. You can change the layout of this page by selecting different stylesheets in the menu, or by selecting one of the following links:

[Stylesheet1](#), [Stylesheet2](#), [Stylesheet3](#), [Stylesheet4](#).

No Styles

This page uses DIV elements to group different sections of the HTML page. Click here to see how the page looks like with no stylesheet:

[No Stylesheet](#).

Side-Bar

Lore ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

< index.html x

Browser Tests

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Page Title</title>
5 <link rel="stylesheet" href="styles.css" />
6 </head>
7 <body>
8 <h1>This is a Heading</h1>
9 <p>This is a paragraph.</p>
10 </body>
11 </html>
12

https://9nypo.csb.app/

This is a Heading
This is a paragraph.

styles.css x

1 body {
2 font-family: Helvetica, Arial, sans-serif;
3 text-align: center;
4 }
5
6 h1 {
7 font-weight: lighter;
8 }
9

index.html x

Browser Tests

< > ⌂ https://9nypo.csb.app/

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Page Title</title>
5          <link rel="stylesheet" href="styles.css" />
6      </head>
7      <body>
8          <h1>This is a Heading</h1>
9          <p>This is a paragraph.</p>
10         <p id="my-paragraph">This is another paragraph.</p>
11     </body>
12 </html>
13
```

This is a Heading

This is a paragraph.

This is another paragraph.

styles.css x

...

```
1  body {
2      font-family: Helvetica, Arial, sans-serif;
3      text-align: center;
4  }
5
6  h1 {
7      font-weight: lighter;
8  }
9
10 #my-paragraph {
11     color: blue;
12 }
```

index.html

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Page Title</title>
5     <link rel="stylesheet" href="styles.css" />
6   </head>
7   <body>
8     <h1>This is a Heading</h1>
9     <p>This is a paragraph.</p>
10    <p id="my-paragraph">This is another paragraph.</p>
11    <p class="big">This is another paragraph.</p>
12  </body>
13 </html>
14
```

styles.css

```
1 body {
2   font-family: Helvetica, Arial, sans-serif;
3   text-align: center;
4 }
5
6 h1 {
7   font-weight: lighter;
8 }
9
10 #my-paragraph {
11   color: blue;
12 }
13
14 .big {
15   font-size: 25px;
16 }
```

Browser Tests

https://9nypo.csb.app/

This is a Heading

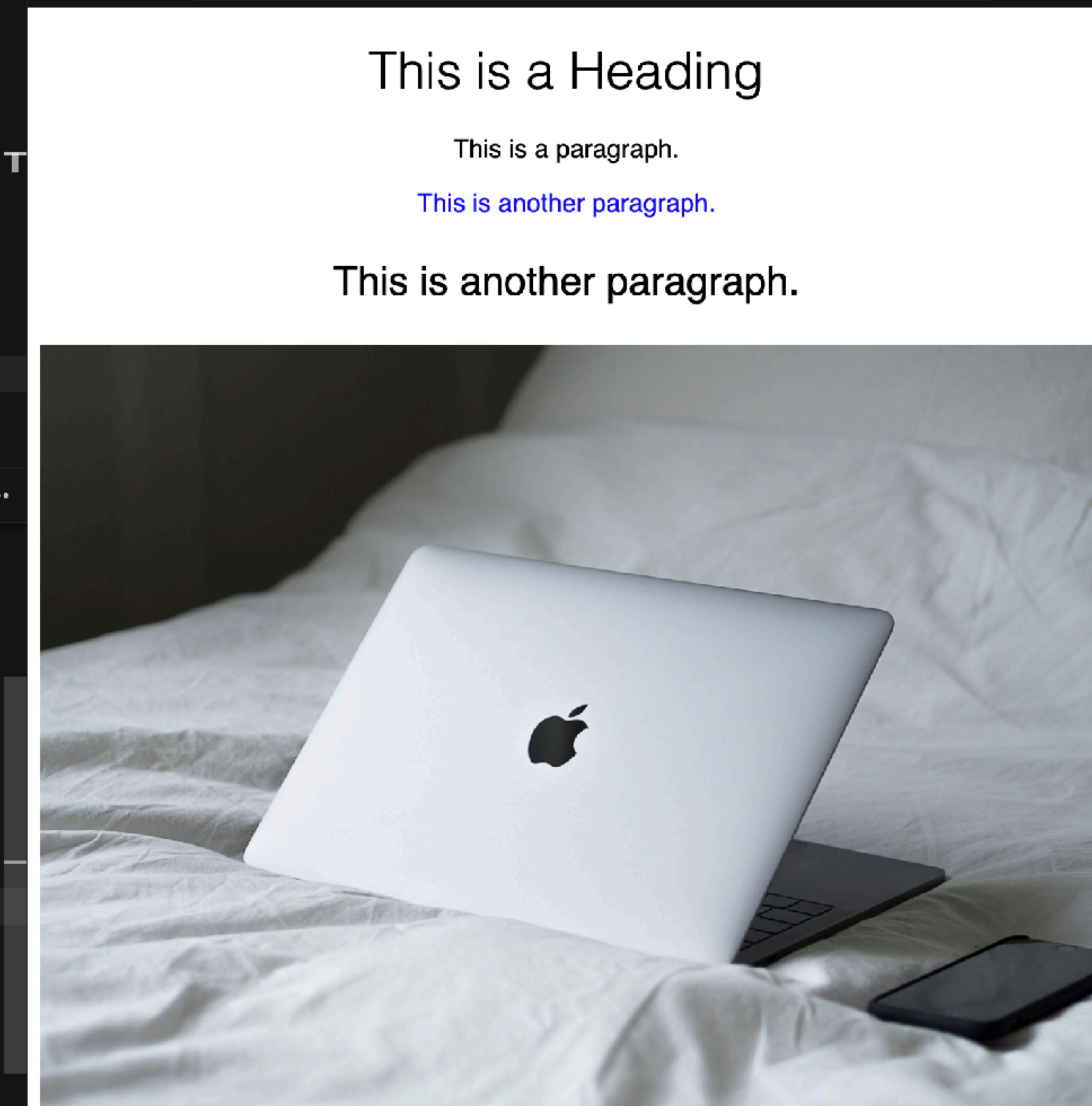
This is a paragraph.

This is another paragraph.

This is another paragraph.

```
index.html < > C https://9nypo.csb.app/ Browser Tests  
1  <!DOCTYPE html>  
2  <html>  
3  <head>  
4  <title>Page Title</title>  
5  <link rel="stylesheet" href="styles.css" />  
6  </head>  
7  <body>  
8  <h1>This is a Heading</h1>  
9  <p>This is a paragraph.</p>  
10 <p id="my-paragraph">This is another paragraph.</p>  
11 <p class="big">This is another paragraph.</p>  
12   
13 </body>  
14 </html>
```

```
styles.css < ...  
9  
10 #my-paragraph {  
11   color: blue;  
12 }  
13  
14 .big {  
15   font-size: 25px;  
16 }  
17  
18 img {  
19   width: 100%;  
20 }
```



CSS SELECTORS

CSS selectors are used to "find" (or select) the HTML elements you want to style.

Simple selectors (name, id, class)

Combinator selectors (a specific relationship between them)

Pseudo-class selectors (a certain state)

Pseudo-elements selectors (a part of an element)

Attribute selectors (attribute or attribute value)

GETTING STARTED

1. Go to: <https://codesandbox.io/>
2. Sign In
3. Open this project: <https://codesandbox.io/s/html-css-javascript-starter-whlnu>
4. Add a paragraph.
5. Add styling (CSS).
6. Center all elements (text-align: center)
7. Change the color and font size.
8. Add an image ()
9. Set/ change the width of the image.

```
index.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Page Title</title>
5     <link rel="stylesheet" href="styles.css" />
6   </head>
7   <body>
8     <h1>This is a Heading</h1>
9     <p>This is a paragraph.</p>
10    <p id="my-paragraph">This is another paragraph.</p>
11    <p class="big">This is another paragraph.</p>
12  </body>
13 </html>
14
```



```
styles.css
1 body {
2   font-family: Helvetica, Arial, sans-serif;
3   text-align: center;
4 }
5
6 h1 {
7   font-weight: lighter;
8 }
9
10 #my-paragraph {
11   color: blue;
12 }
13
14 .big {
15   font-size: 25px;
16 }
```

S O L U T I O N

<https://codesandbox.io/s/html-css-javascript-9nypo>

Grid & Flexbox

... two CSS layout models that can be used to create layouts with just a couple of CSS rules.

... responsive and flexible layouts.

CSS Grids

CSS Grid Teachers

Column 1	Column 2	Column 3
Birgitte Kirk Iversen Senior Lecturer hki@mail.dk	Martin Aagaard Nøhr Lecturer mnor@mail.dk	Peter Lind Senior Lecturer peli@kua.dk
Column 1	Column 2	Column 3

Header

Column

Column

Column

Footer

Amerikanske chocolate chip cookies

Cookies

Klassiske amerikanske cookies - spredt udenpå og bløde indeni... Og hvis der er noget de virkelig kan, derover på den anden side af atlanten, så er det at bage cookies. Om vi kalder dem Chocolate chip cookies eller bare Cookies, ger nok ikke den store forskel. Der er chokoladestykker i - og de smager prægtfuldt. Prøv denne opskrift på den perfekte Chocolate chip cookie, næste gang kiksersluten banker på døren!

Ingredienser

Cookies

- Blædt smør, 150 g
- Sukker, ca. 1½ dl 125 g
- Brun farrin, ca. 1½ dl 125 g
- Vand/jakkevand, 2 tspl.
- Æg, 1
- Hvedemel (ca. 4½ dl), 250 g
- Natur, 1 tspl.
- Græn salt, ¼ tspl.
- Bagpulver, ½ tspl.

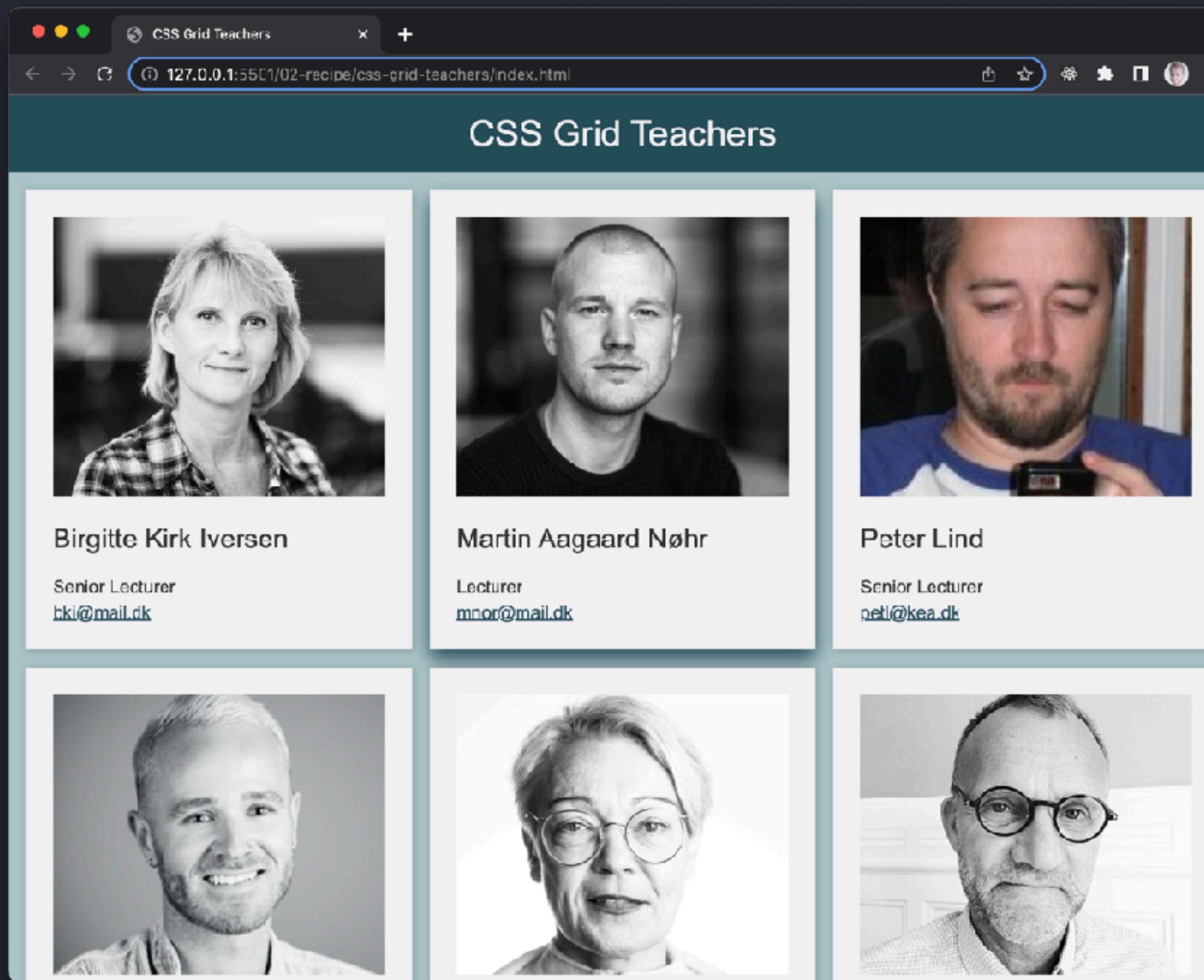
Sådan gør du

Cookies

1. Pak smør, sukker, brun farrin, vanille og æg godt sammen.
2. Bland hvedemel, natur, salt og bagpulver og vær det i smørblandingen sammen med chokolade.
3. Del degen i 20 stykker à ca. 45 g og form dem til kugler.
4. Sat kuglerne på plader med bagpapir - tryk dem let flate. Kagejern fylder en del ud, så seg for, at der er god plads imellem dem.
5. Bag kuglerne til da er pydte, men bløde i midten.
6. Lad kagejern afkøle ca. 6 min. på bagpladen og flyt dem så over på en rist.

Bagplad

CSS Grid



```
<section class="grid-container">...</section>

/* ----- grid container styling ----- */
.grid-container {
  display: grid;
  grid-template-columns: 1fr;
  gap: 1em;
  padding: 1em;
}

@media (min-width: 600px) {
  .grid-container {
    grid-template-columns: 1fr 1fr;
  }
}

@media (min-width: 992px) {
  .grid-container {
    grid-template-columns: 1fr 1fr 1fr;
  }
}
```

w CSS Templates

w3schools.com/css/css_templates.asp

HTML CSS JAVASCRIPT SQL PYTHON PHP BOOTSTRAP HOW TO W3.CSS JAVA JQUERY C++

CSS Multiple Columns
CSS User Interface
CSS Variables
CSS Box Sizing
CSS Media Queries
CSS MQ Examples
CSS Flexbox

CSS Layout Templates

We have created some responsive starter templates with CSS.

You are free to modify, save, share, and use them in all your projects.

Header, equal columns and footer:

Try it (using float) »

Try it (using flexbox) »

Try it (using grid) »

Header, unequal columns and footer:

Try it (using float) »

Try it (using flexbox) »

Try it (using grid) »

Topnav, content and footer:

Sidenav and content:

NetSikker inkluderet
sikrer dig hjælp ved digitale krænkelser
Se vilkår på telenor.dk

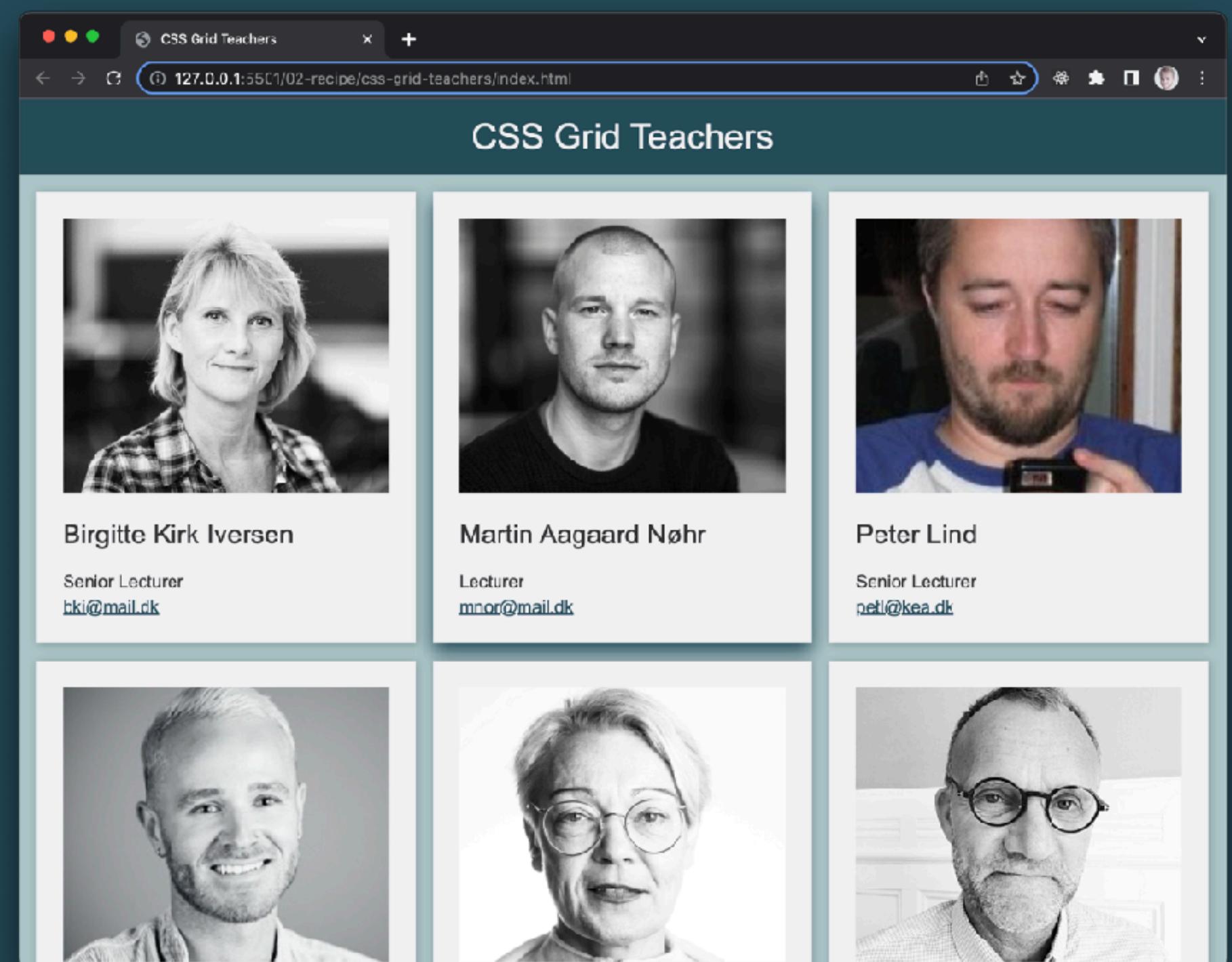
NEW
We just launched W3Schools videos
Explore now

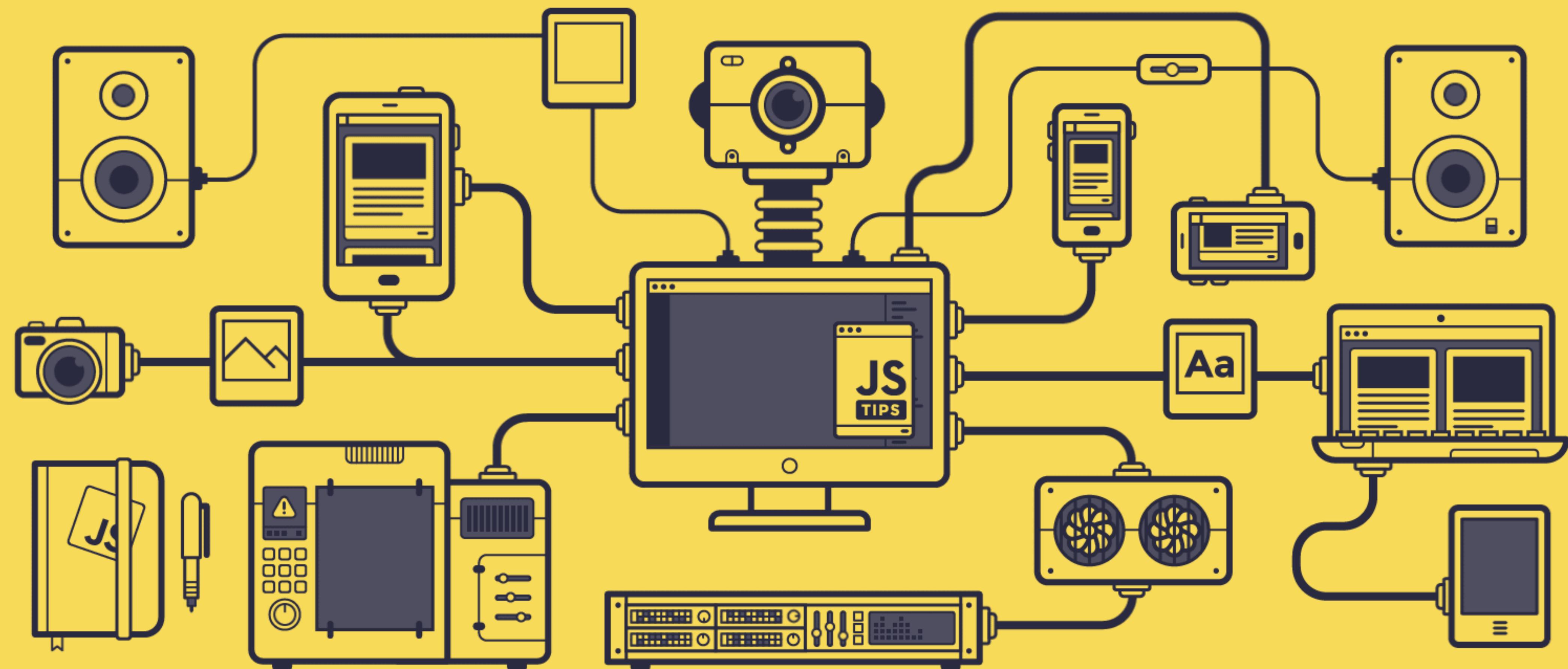
COLOR PICKER

LIKE US

GRID TEACHERS

1. Åben og brug denne skabelon: <https://codesandbox.io/s/grid-teachers-template-vdimm>
2. Centrer overskriften (h1)
3. Tilføj to underviser mere fra <https://www.eaaa.dk/kontakt/find-medarbejder/>
4. Tilføj en baggrundsfarve på fx body
5. Ændre vægtningen på overskrifter (font-weight) på fx h1 og h2)
6. Tilpas farven på alle links (a)
7. Tilpas anden styling (css). Se fx: <https://www.w3schools.com/css/>

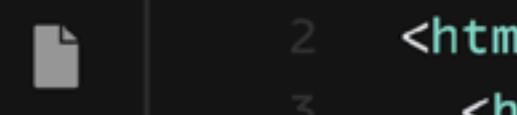






index.html x

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Page Title</title>
5     <link rel="stylesheet" href="styles.css" />
6   </head>
7   <body>
8     <h1>This is a Heading</h1>
9     <p>This is a paragraph.</p>
10    <button>Try me</button>
11    <script src="app.js"></script>
12  </body>
13</html>
```



app.js x

```
1 function changeMyWebsite() {
2   document.body.style.backgroundColor = "red";
3   document.body.style.color = "white";
4   document.querySelector("h1").innerHTML = "My new header";
5   alert("Hi, Welcome to my web app!");
6 }
7
8 document.querySelector("button").addEventListener("click", changeMyWebsite);
9 |
```

< > ⌛ https://brg12.csb.app/

This is a Heading

This is a paragraph.

Try me

<https://codesandbox.io/s/javascript-starter-brg12>

What is JavaScript?

- The world's most popular programming language.
- The programming language of the Web.
- Easy to learn.
- Can change content of a webpage (HTML content).
- Can change styling of HTML.

index.html x

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Page Title</title>
5     <link rel="stylesheet" href="styles.css" />
6   </head>
7   <body>
8     <h1>This is a Heading</h1>
9     <p>This is a paragraph.</p>
10    <button>Try me</button>
11    <script src="app.js"></script>
12  </body>
13</html>
```

js app.js x

```
1 function changeMyWebsite() {
2   document.body.style.backgroundColor = "red";
3   document.body.style.color = "white";
4   document.querySelector("h1").innerHTML = "My new header";
5   alert("Hi, welcome to my web app!");
6 }
7
8 document.querySelector("button").addEventListener("click", changeMyWebsite);
9
```

The screenshot shows a code editor interface with two files open: `index.html` and `app.js`. The `index.html` file contains the following HTML code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
    <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
    <h1>This is a Heading</h1>
    <p>This is a paragraph.</p>
    <input type="text" placeholder="Type your name" id="name" />
    <button>Try me</button>
    <script src="app.js"></script>
  </body>
```

The `app.js` file contains the following JavaScript code:

```
function alertName() {
  const name = document.querySelector("input").value;
  alert("Hi, " + name + "! Welcome to my web app!");
}

document.querySelector("button").addEventListener("click", alertName);
```

Browser Tests Terminal

< > ⌂ https://brg12.csb.app/

This is a Heading

This is a paragraph.

Type your name

Try me

<https://codesandbox.io/s/javascript-input-okm7e>

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
    <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
    <h1>This is a Heading</h1>
    <p>This is a paragraph.</p>
    <input type="text" placeholder="Type your name" id="name" />
    <button>Try me</button>
    <section id="content"></section>
    <script src="app.js"></script>
  </body>
```

Browser Tests Terminal

https://brg12.csb.app/

This is a Heading

This is a paragraph.

Rasmus Cederdorff

Try me

Rasmus Cederdorff

```
function displayName() {
  const name = document.querySelector("input").value;
  document.querySelector("#content").insertAdjacentText("beforeend", name);
}

document.querySelector("button").addEventListener("click", displayName);
```

DOM MANIPULATION

```
// declaring a variable with a value
let message = "Hi Frontenders!"

//accessing the variable and logging it to the console
console.log(message);

// appending the variable (the string) to the DOM element #content
document.querySelector("#content").innerHTML = message;
```

```
<body>
  <header>
    <h1>PROJECT TEMPLATE</h1>
  </header>
  <section id="content"></section>
  <!-- main is file -->
  <script src="js/main.js"></script>
</body>
```



JavaScript Introduction × +

w3schools.com/js/js_intro.asp Incognito :

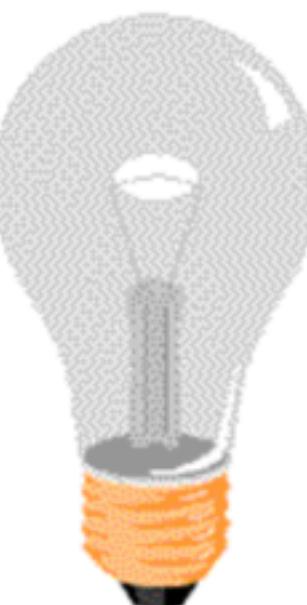
Home HTML CSS **JAVASCRIPT** SQL PYTHON PHP BOOTSTRAP MORE ▾ REFERENCES ▾ CERTIFICATES ⚡ 🌐 🔎

JS Tutorial
JS HOME
JS Introduction
JS Where To
JS Output
JS Statements
JS Syntax
JS Comments
JS Variables
JS Operators
JS Arithmetic
JS Assignment
JS Data Types
JS Functions
JS Objects
JS Events
JS Strings
JS String Methods
JS Numbers
JS Number Methods
JS Arrays
JS Array Methods
JS Array Sort
JS Array Iteration
JS Dates
JS Date Formats
JS Date Get Methods

JavaScript Can Change HTML Attribute Values

In this example JavaScript changes the value of the `src` (source) attribute of an `` tag:

The Light Bulb



Turn on the light Turn off the light

Try it Yourself »

ADVERTISEMENT

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Progress Bars
Parallax
Login Form
HTML Includes
Google Maps
Range Sliders
Tooltips
Slideshow
Filter List
Sort List

SHARE

f t l

CERTIFICATES

HTML
CSS
JavaScript
Python
SQL
PHP
And more

index.html x

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Page Title</title>
5     <link rel="stylesheet" href="styles.css" />
6   </head>
7   <body>
8     <h1>This is a Heading</h1>
9     <p>This is a paragraph.</p>
10    <button>Try me</button>
11    <script src="app.js"></script>
12  </body>
13</html>
14
```

js app.js x

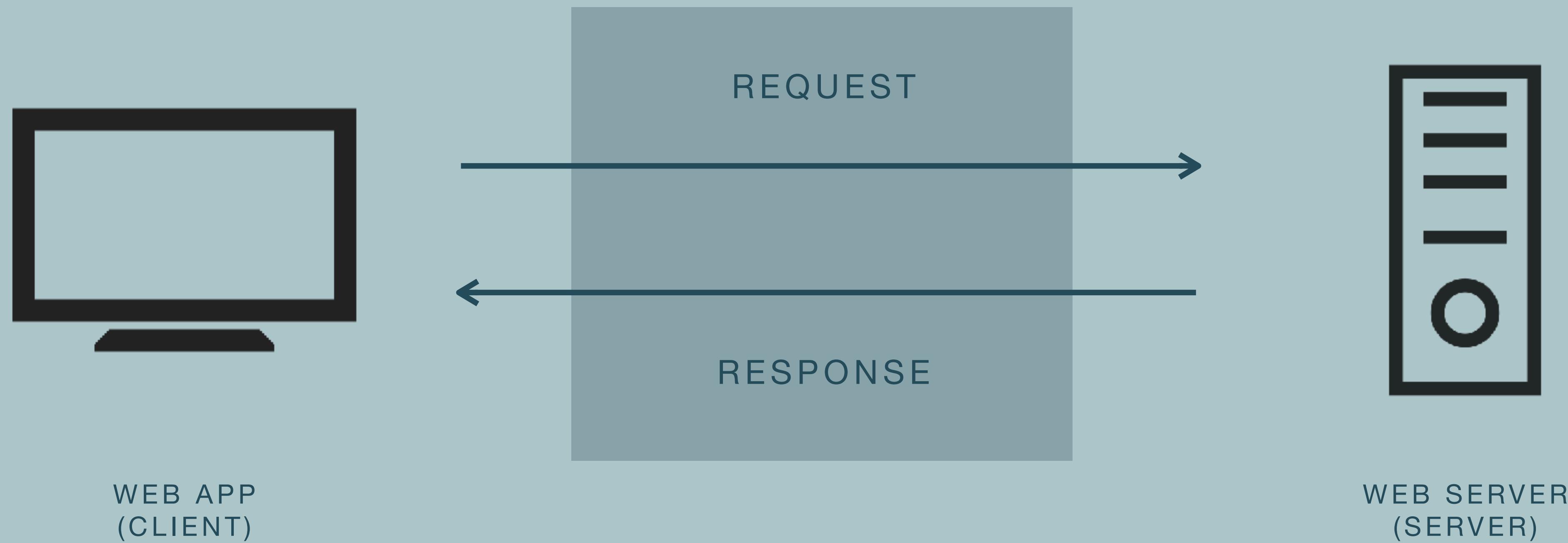
```
1 function changeMyWebsite() {
2   document.body.style.backgroundColor = "red";
3   document.body.style.color = "white";
4   document.querySelector("h1").innerHTML = "My new header";
5   alert("Hi, welcome to my web app!");
6 }
7
8 document.querySelector("button").addEventListener("click", changeMyWebsite);
9
```

With JavaScript we are able to

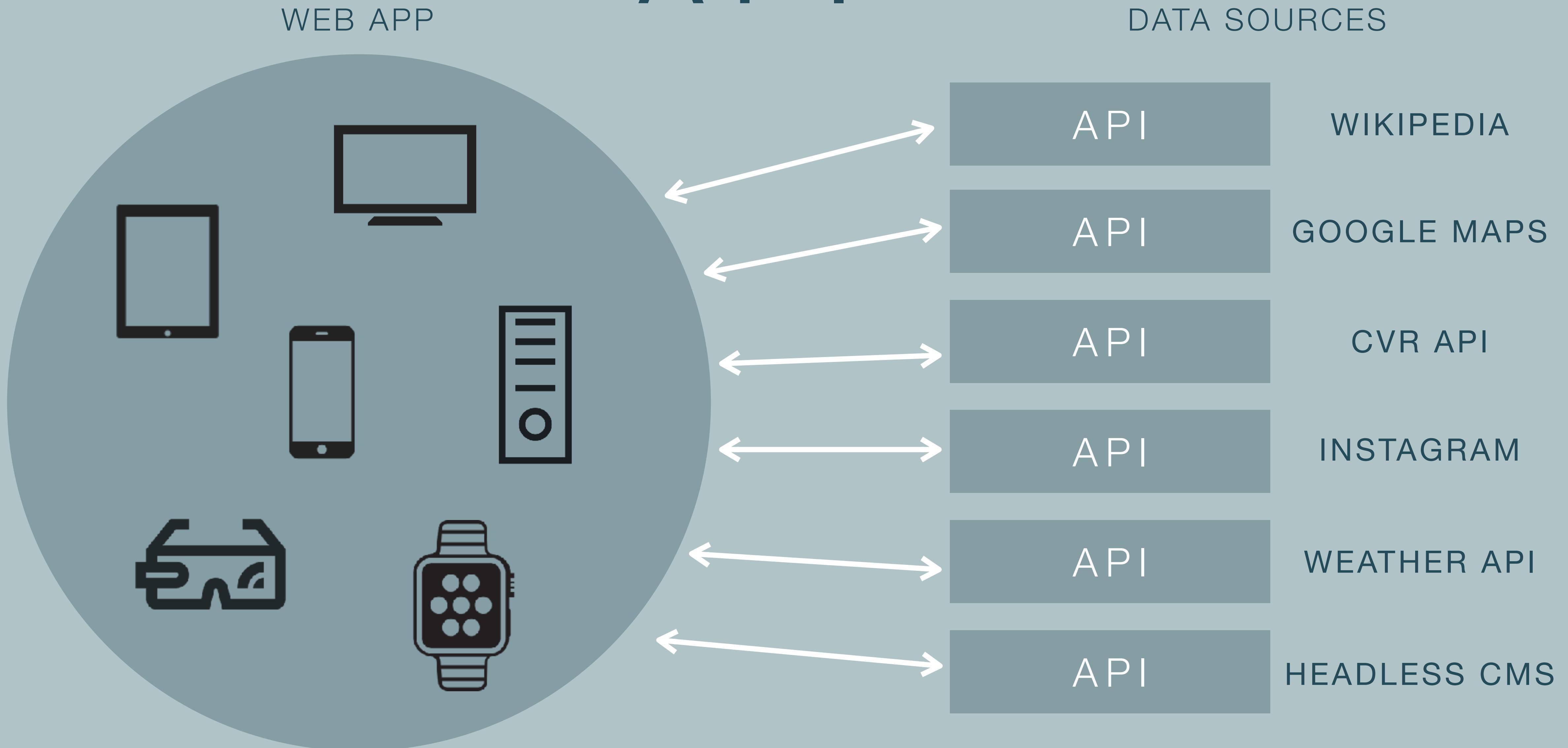
- build dynamic web pages and web apps.
- fetch content/ data from a backend (web service, data source, etc.) through an API.
- do DOM-manipulation.
- build and develop anything 🤖

<https://www.w3schools.com/js/default.asp>

CLIENT SERVER MODEL



API



cederdorff

Drafts / grid-teachers-fetch

0 Share Fork Create

index.html

```
8 <header>
9   <h1>MDU Teachers</h1>
10 </header>
11 <section id="teachers" class="grid-container"></section>
12
13   <script src="app.js"></script>
14 </body>
15 </html>
```

JS app.js

```
1 function fetchTeachers() {
2   fetch(
3     "https://raw.githubusercontent.com/cederdorff/mdu-frontend/main/data/teachers.json"
4   )
5     .then((response) => response.json())
6     .then((data) => appendTeachers(data));
7 }
8
9 fetchTeachers();
10
11 function appendTeachers(teachers) {
12   for (const teacher of teachers) {
13     document.querySelector("#teachers").innerHTML += `
14       <article class="grid-item">
15         
18         <h2>${teacher.name}</h2>
19         <p>${teacher.position}</p>
20         <a href="mailto:${teacher.mail}">${teacher.mail}</a>
21       </article>
22     `;
23   }
24 }
25
```

Browser Tests Terminal

https://3ojxr.csb.app/

MDU Teachers

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Lecturer
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Console 0 Problems 0

fb3bcd59e

Ln 1, Col 1 Spaces: 2 UTF-8 LF JavaScript

<https://codesandbox.io/s/grid-teachers-fetch-3ojxr>

CREATE YOUR OWN WEBPAGE

1. Open dette projekt: <https://codesandbox.io/s/html-css-javascript-my-webpage-starter-odt36>
2. Tilpas indholdet: dit navn, kort beskrivelse af dig, mail, webpage eller din skoles, evt. billede
3. Tilføj en ny paragraf (`<p></p>`) hvor du kort beskriver hvorfor du meldte dig til studiepraktik på multimediedesigneruddannelsen.
4. Tilføj et grid hvor du viser undervisere. Evt med `fetch`
5. Test din løsning
6. Prøv at ændre noget styling (CSS).



Rasmus Cederdorff

Underviser i Frontendudvikling
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PROJECTS

<https://codesandbox.io/s/html-css-javascript-starter-whlnu>

<https://codesandbox.io/s/html-css-javascript-9nypo>

<https://codesandbox.io/s/javascript-starter-brg12>

<https://codesandbox.io/s/javascript-input-okm7e>

<https://codesandbox.io/s/html-css-javascript-my-webpage-starter-odt36>

<https://codesandbox.io/s/html-css-javascript-my-webpage-wyg9w>

<https://codesandbox.io/s/grid-teachers-template-vdimm>

<https://codesandbox.io/s/grid-teachers-fetch-3ojxr>

<https://codesandbox.io/s/grid-participants-fetch-s2zee>



FØLG
YESSICA

Struktur på studiet
giver plads til sjov



ET GLIMT AF MDU
CASEARBEJDE

ET GLIMT AF MDU

- Lav en video, der fortæller om hvad I oplever MDU er.
- Grupper af 5-6 personer
- Målgruppe: Unge mellem 16-25 (Jer selv)
- Udfordring: hvordan kan I lave en video, der giver målgruppen lyst til at læse MDU?

- Analyse af målgruppe
- Definition af formål
- Brainstorm og planlægning (storyboard)
- Film footage
- Rediger indhold (fx iMovie, CapCut eller lignende)

Slå kreativiten løs, skab stemninger,
utraditionelle vinkler

- **Output:** Video
+ evt. infowebiste (HTML, CSS & JS)
- **Deadline:** torsdag kl. 13:30

Formål: at stifte
bekendtskab med
nogle af de
værktøjer en
multimediedesigner
bruger

ET GLIMT AF MDU

GRUPPER

Gruppe 1	
Andrea Jensen	Svendborg Gymnasium
Sarah Roesgaard	Horsens Gymnasium og HF
Lucas Nakila Møller	Viden Djurs, Grenaa
safaa said shabel	Viby Gymnasium
Kamma	Th. Langs HF-kursus og VUC
Gruppe 2	
Holger Oppermann	Thy-Mors HF & VUC
Isabella Salling Jespersen	Aarhus Katedralskole
Christian Jørgensen	EUC Syd, Aabenraa
Noah Hein Vester	Odense Tekniske Gymnasium
jiwei tang	Marselisborg Gymnasium
Gruppe 3	
Mathias Ali Waade	Midtbyen Gymnasium, Viborg, HTX
June Hedegaard Rask	Holstebro Gymnasium og HF
Julie Skovbølling Holm	*Ingen*
Mathilde Dahl Nielsen	Herningsholm Erhvervsskole og Gymnasier
Hannah Dahl Djurhuus	EUC Syd, Aabenraa

Gruppe 4	
Sebastian Bay Nyebølle	Aarhus Gymnasium, Aarhus C
Asta Hvidtfeldt Foged	Svendborg Gymnasium
Christian Lyngsbo	Teknisk Gymnasium Skanderborg
Nanna Lai Bendiksen	Køge Gymnasium
Nanna Thorø Iversen	*Ingen*
Gruppe 5	
Josefine Damsgaard	Aarhus Gymnasium, Aarhus C
eleanor emilie lignell bækholm	Svendborg Gymnasium
Clara Lyngdal Bro	*Ingen*
Stefan Gøthche Rasmussen	Bjerringbro Gymnasium
Ellen Friis	SESG, Svendborg (Svendborg Erhvervsskole & Gymnasier)

STUDIEVEJLEDNING

[Forside](#) [Kontakt](#) [Find medarbejder](#) [Medarbejder](#)

Dorte Hedevang

Stilling

studie- og karrierevejleder

Afdeling

Kvalitet og studieliv

Mail

dohe@eaaa.dk

Telefon

[7228 6024](tel:72286024)

Adresse

Sønderhøj 30, 8260 Viby J



Spørgsmål vedrørende ansøgning,
optagelse og adgangskrav?

eaaa.dk/kontakt/find-medarbejder/medarbejder/dorte-hedevang/

www.eaaa.dk/videregående-uddannelser/ansog-om-optagelse/

ERHVERVSAKADEMI AARHUS

Forside Videregående uddannelser Ansøg om optagelse

Søg om optagelse på en videregående uddannelse på Erhvervsakademi Aarhus

Find svar på alle dine spørgsmål om optagelse på vores videregående uddannelser.

Få styr på alle regler

Dyk ned i vores vejledningsunivers og få styr på din ansøgning.

Søg ind på erhvervsakademi- eller professionsbacheloruddannelse

Søg ind på 1½-årig professionsbacheloruddannelse

<https://www.eaaa.dk/videregående-uddannelser/ansog-om-optagelse/>

<https://www.eaaa.dk/videregaende-uddannelser/erhvervsakademiuddannelse/multimediedesigner/#ansoeg-om-optagelse>

The screenshot shows a web browser window with the URL www.eaaa.dk/videregaende-uddannelser/erhvervsakademiuddannelse/multimediedesigner/#ansoeg-om-optagelse in the address bar. The page has a light yellow background. At the top, there is a navigation bar with links: Om uddannelsen, Vælg engelsk linje, **Ansøg om optagelse**, Praktik, Karriere, Studieliv, Studietilfredshed, and Kontakt. On the far left is a search icon, and on the far right is a menu icon. The main content area features a large heading "Ansøg om optagelse". Below it, a text block states: "Her finder du informationer om, hvordan du søger ind på multimediedesigneruddannelsen på Erhvervsakademi Aarhus." Underneath, a section titled "Adgangskrav" lists four categories, each with a plus sign icon: "Adgang via gymnasial eksamen (kvote 1 eller kvote 2)", "Adgang via relevant erhvervsuddannelse (kvote 2)", "Adgang via 3-årig erhvervsuddannelse (kvote 2)", and "Anden adgang (kvote 2)". Below this, a section titled "Sådan søger du" contains two paragraphs of text: "Du søger ind på uddannelsen via [optagelse.dk](#). Du kan søge fra 1. februar. Der er studiestart i august." and "Hvis du vil starte på uddannelsen i januar, skal du søge ind via [nemStudie](#). Du kan søge fra 15. september." At the bottom, a note reads: "Orienter dig i ansøgningsfrister, dato for studiestart og øvrige regler for optag nedenfor."

A dark, moody photograph of a person from behind, wearing a dark jacket, holding a tablet. The tablet screen shows a video of a man in a suit, possibly a video conference or a recorded video. The overall atmosphere is professional and mysterious.

ET GLIMT AF MDU

CASEARBEJDE & FREMVISNING AF PRODUKTER

BESØG AF
STUDERENDE

PORTFOLIO

<https://soviki.dk/>

<https://mariussart.com/>

<https://kristinedzu.github.io/portfolio/>

<https://portfolio.piotrpospiech.com/>

<https://www.majanorbjerg.dk/>

SPØRGSMÅL & FEEDBACK

eaaa.padlet.org/race/studiepraktik



eaaa.dk

[https://www.eaaa.dk/videregående-uddannelser/
erhvervsakademiuuddannelse/multimediedesigner/](https://www.eaaa.dk/videregående-uddannelser/erhvervsakademiuuddannelse/multimediedesigner/)

<https://www.baaa.dk/programmes/multimedia-design/>

ERHVERVSAKADEMI AARHUS
BUSINESS ACADEMY AARHUS