

# STUDIEPRAKTIK

## MULTIMEDIEDESIGNER

ERHVERVSAKADEMI AARHUS  
BUSINESS ACADEMY AARHUS



A close-up photograph of a woman with blonde hair resting her head on a light-colored wooden surface. She is wearing a dark blue top. The lighting is warm and focused on her face and hair.

TAG EN VIDEREGÅENDE UDDANNELSE PÅ

ERHVERVSAKADEMI AARHUS  
BUSINESS ACADEMY AARHUS

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

# I kommer til at møde



Maria Louise Bendixen

[mlbe@eaaa.dk](mailto:mlbe@eaaa.dk)

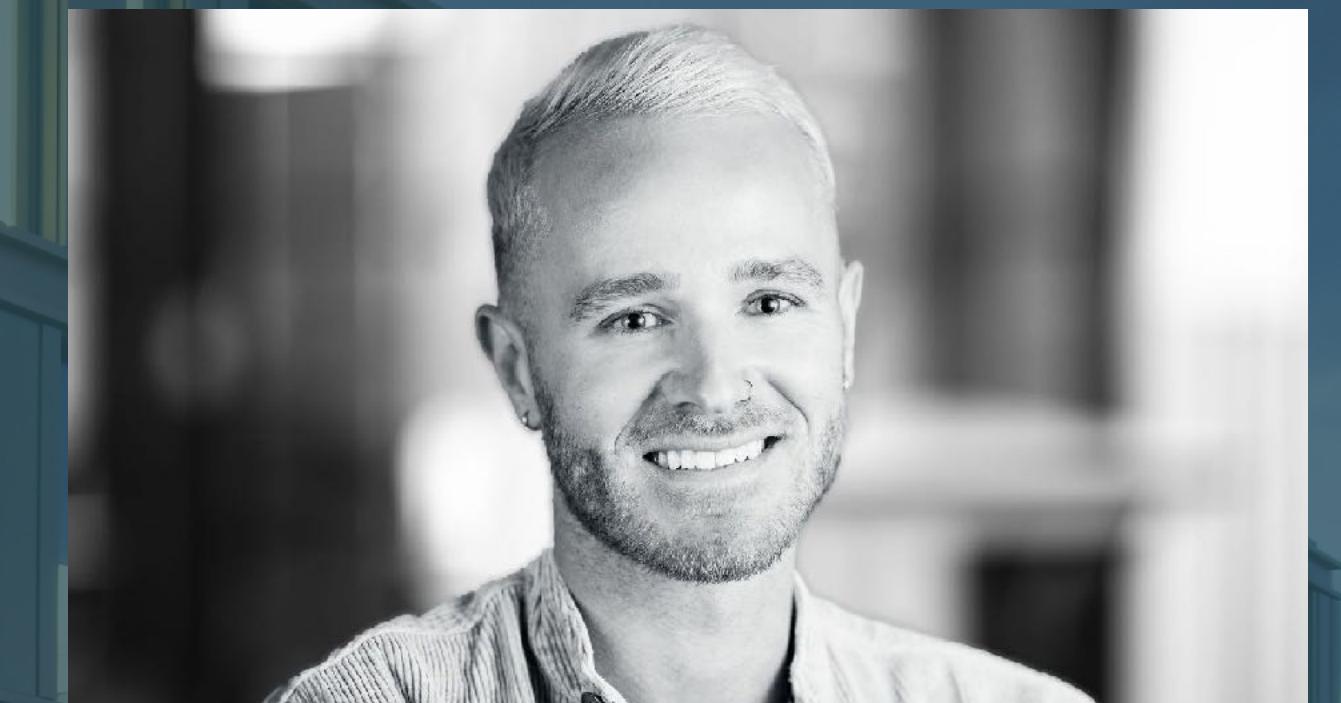
UX og Content



Marlene Ahlgreen Jensen

[maj@eaaa.dk](mailto:maj@eaaa.dk)

Design



Rasmus Cederdorff

[race@eaaa.dk](mailto:race@eaaa.dk)

Programmering



# RASMUS CEDERDORFF

PROGRAMMERING &  
WEBUDVIKLING

WEB APP DEVELOPER

ELSKER (apple) GADGETS &  
TAGE BILLEDER

“ALLE KAN LÆRE AT  
PROGRAMMERE”



# PROGRAM ONSDAG

- Velkomst, introduktion til MDU & rundvisning
- Uddannelsens tekniske elementer
- Besøg af studerende
- Frokost
- UX- og contentunderviser  
Maria Louise Bendixen
- Opstart af case



**FRIVILLIG  
AKTIVITET  
ONSDAG**

**14.30: Rundtur i Aarhus C**

Afslutning på Aarhus  
Streetfood hvor  
Erhvervsakademiet giver mad

Mødested: udenfor  
indgangen Sønderhøj 30

- Designunderviser Marlene
- Opsamling på  
“programming”
- Casearbejde
- Frokost
- Besøg af studerende
- Casearbejde
- Fremvisning af produkter  
og afrunding



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

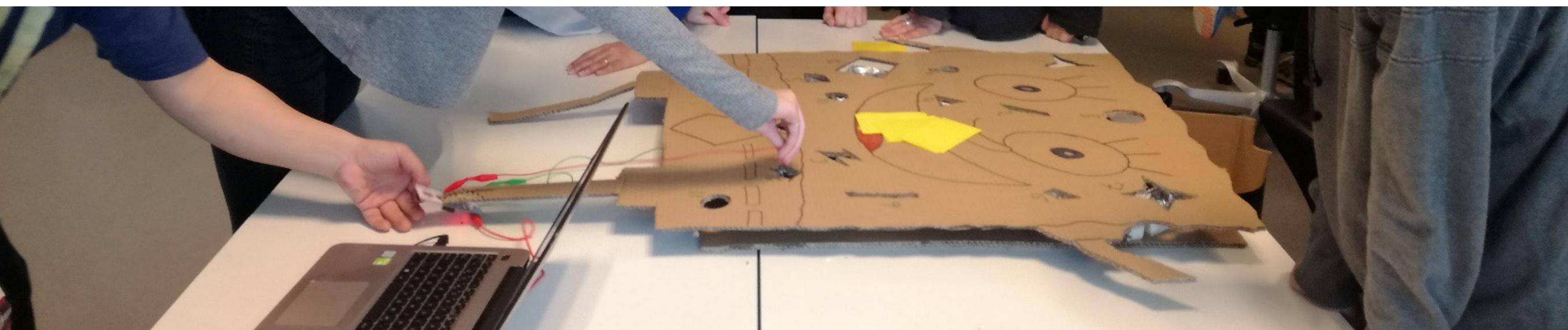
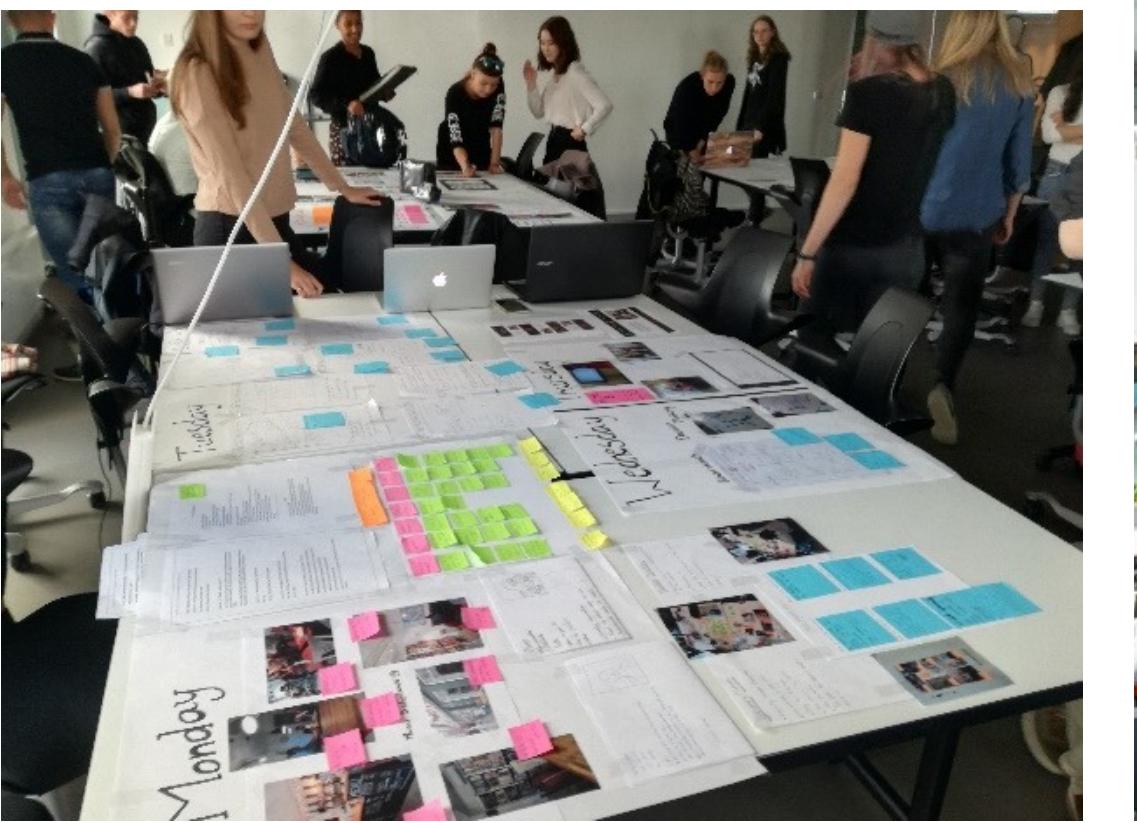


Erhvervsakademi Aarhus  
Sønderhøj 7G, 8260 Viby J



# Vejviser til Erhvervsakademi Aarhus

De røde prikker viser, hvordan du finder vej  
mellem vores tre afdelinger på Sønderhøj





# FACILITETER

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

A dark, moody photograph of a person's hands resting on a computer keyboard. The hands are positioned as if the person is about to type or has just finished. The lighting is dramatic, with strong highlights on the fingers and the keys, while the rest of the scene is in deep shadow.

# MULTIMEDIEDESIGNERUDDANNELSEN

DESIGN & PROGRAMMERING

AF

DIGITALE BRUGERGRÆNSEFLADER & DIGITALT INDHOLD

# MULTIMEDIEDESIGNERUDDANNELSEN

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

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

**VERO MODA®**

Nyheder    Tøj    Trending Now    AWARE    Curve & Plus Size    VERO MODA Girl    Ventetøj    SOMETHINGNEW    **SALE**    Most Wanted    VERO MODA Club    Party Season

Søg

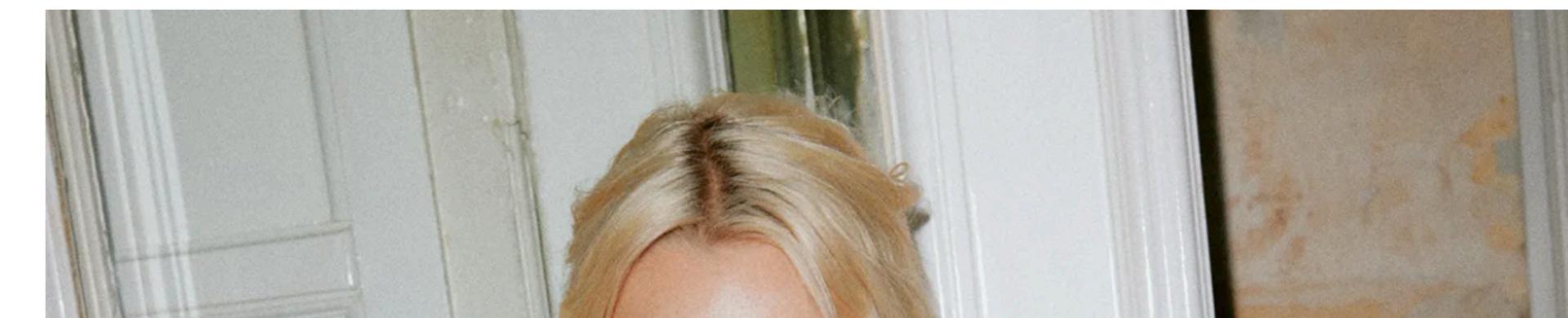


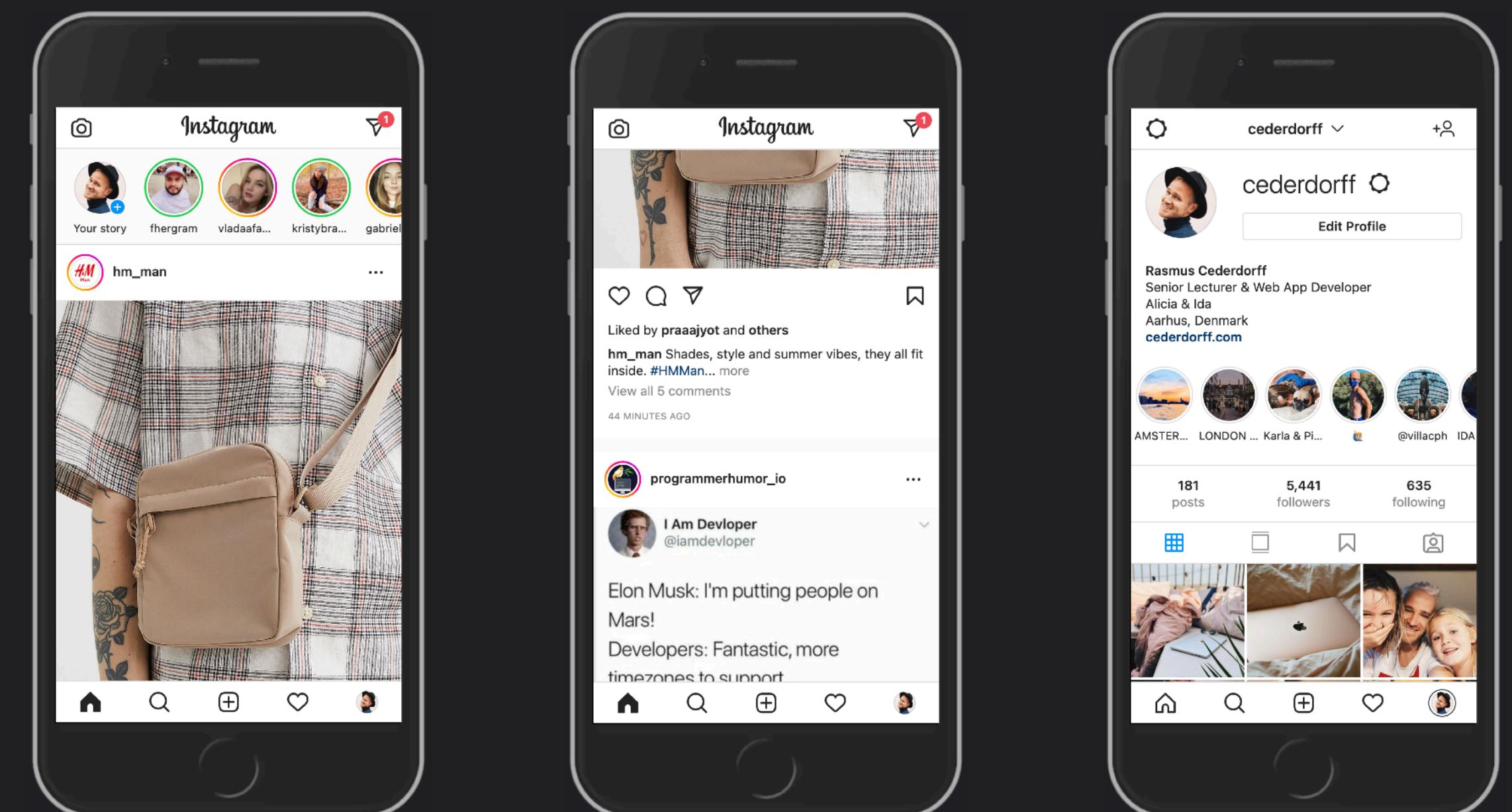
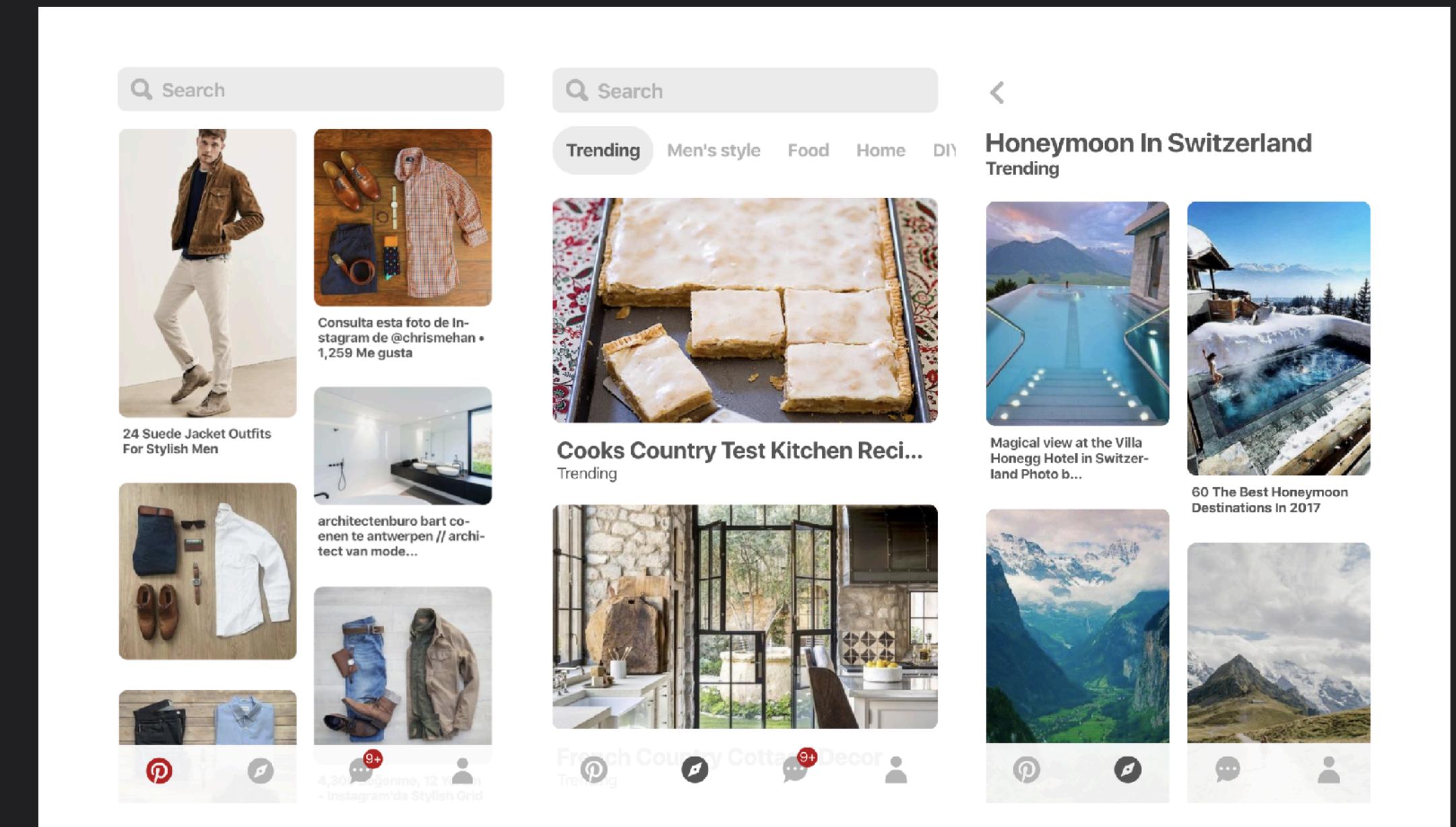
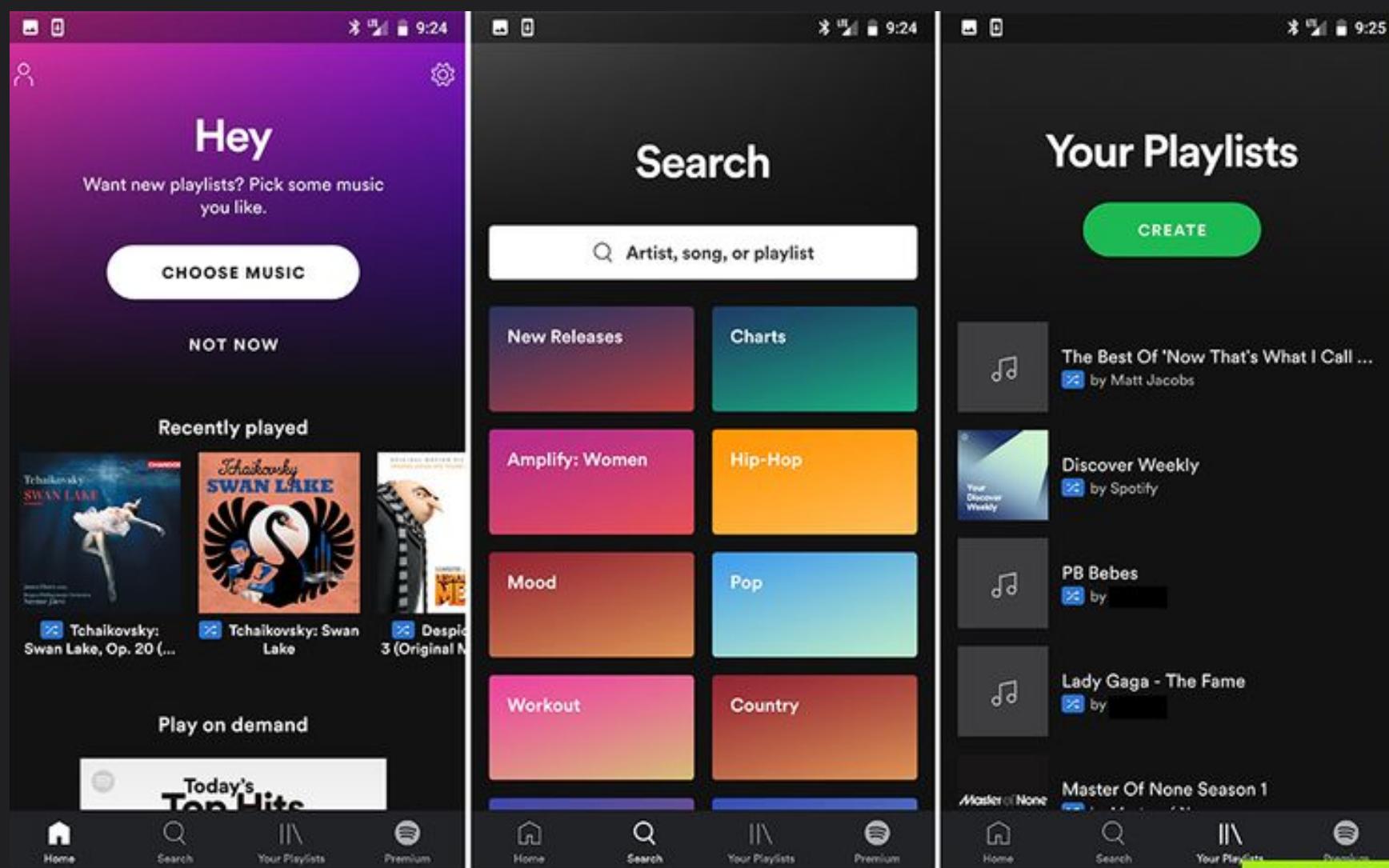
JAKKER

JEANS

STRIK

KJOLER



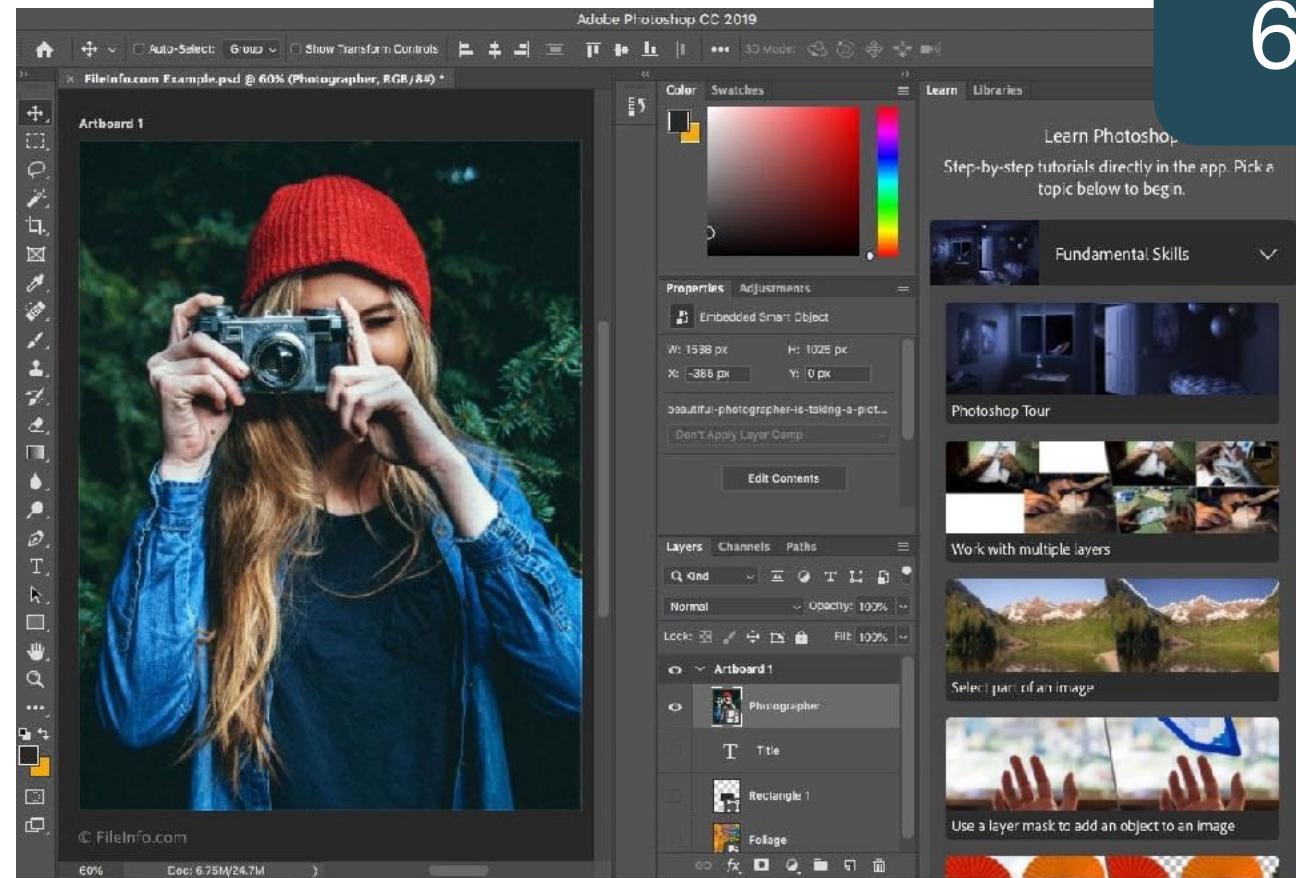




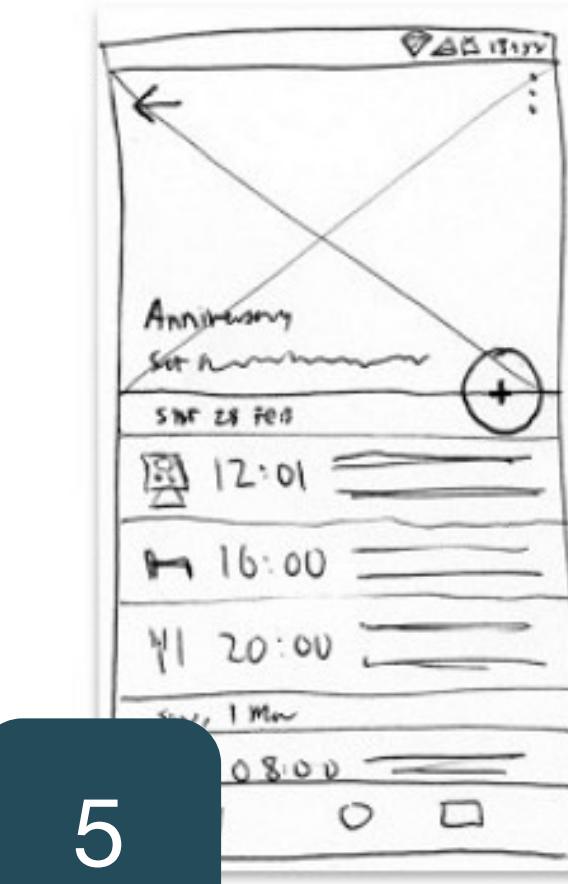
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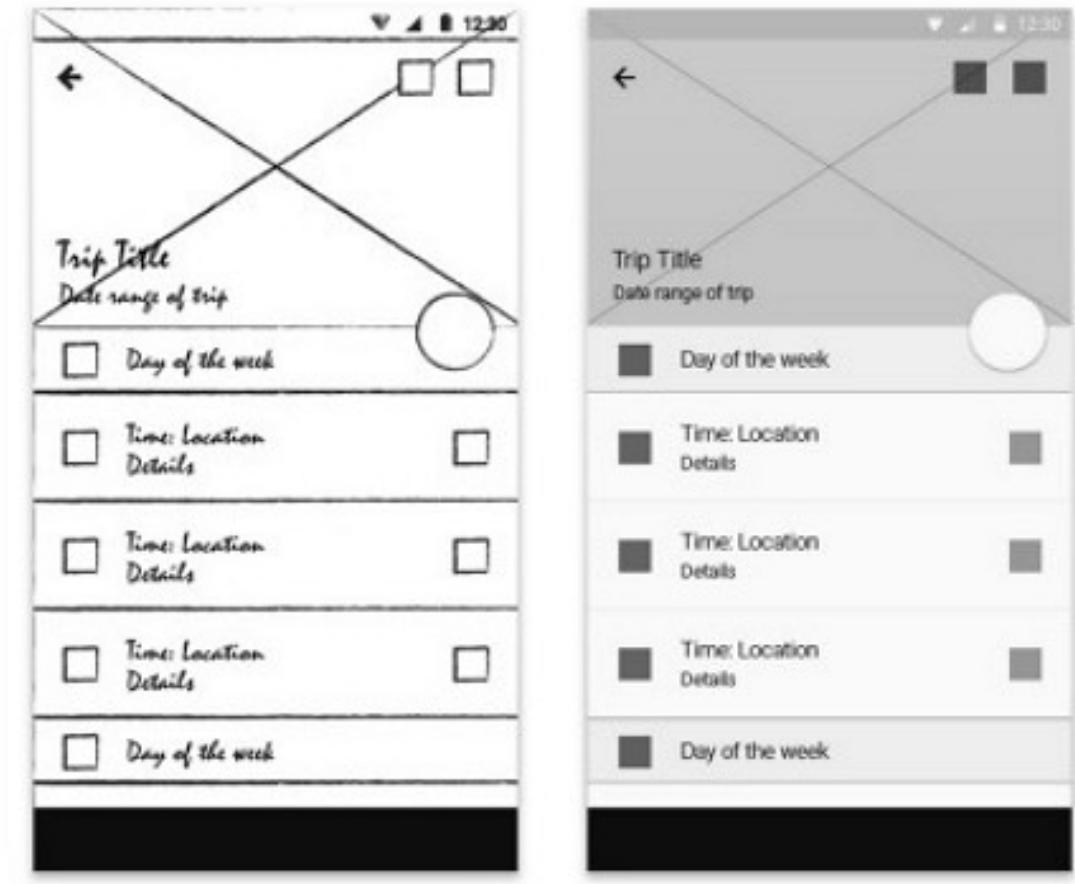
2



6



5



3

**Style Tile**

LOGO - ON WHITE

LOGO - ON DARK

This is some text about the style tile, and how awesome it is to use it. We will have a link right here to the main page for people to clone it.

This is a link to our blog post

**Content Example**

**I'm a Headline**

**I'm a Sub Headline**

Tomato Red #F4B01 Yellow Sun #F8A000 Slate Grey #3E4749 Lite Slate #879499

**IMAGES / PATTERNS**

Red Bricks Yellow Wall Sunset

Button 1 Button 2 Button 3

High Energy! Clean Passionate

7



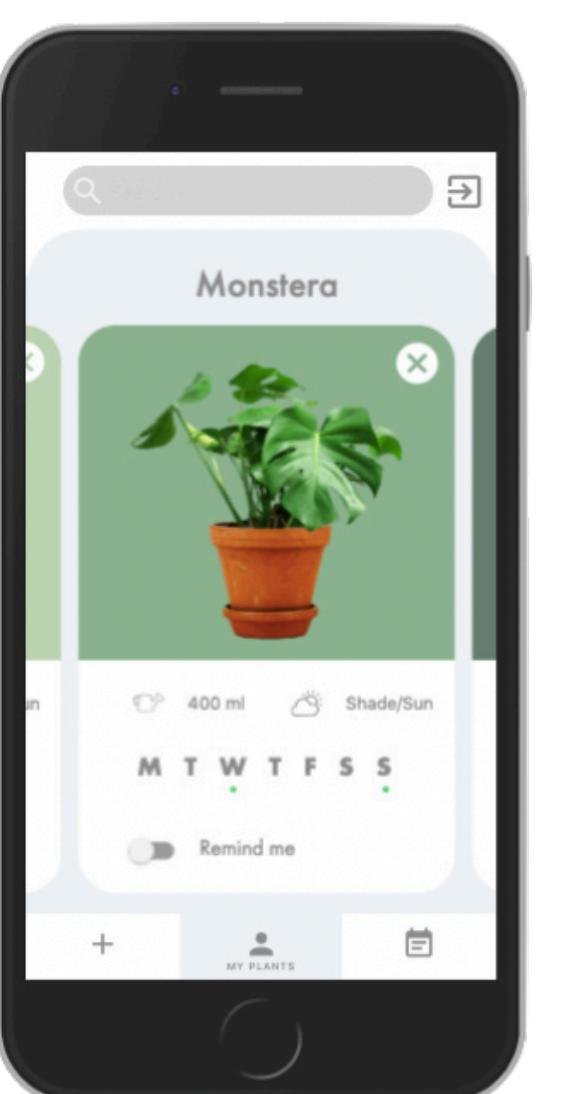
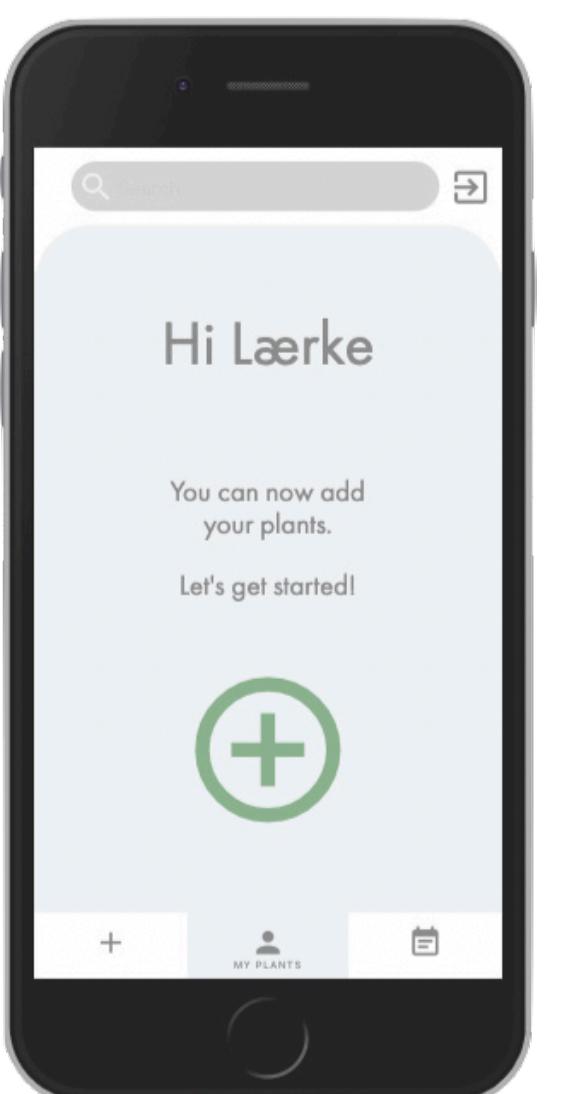
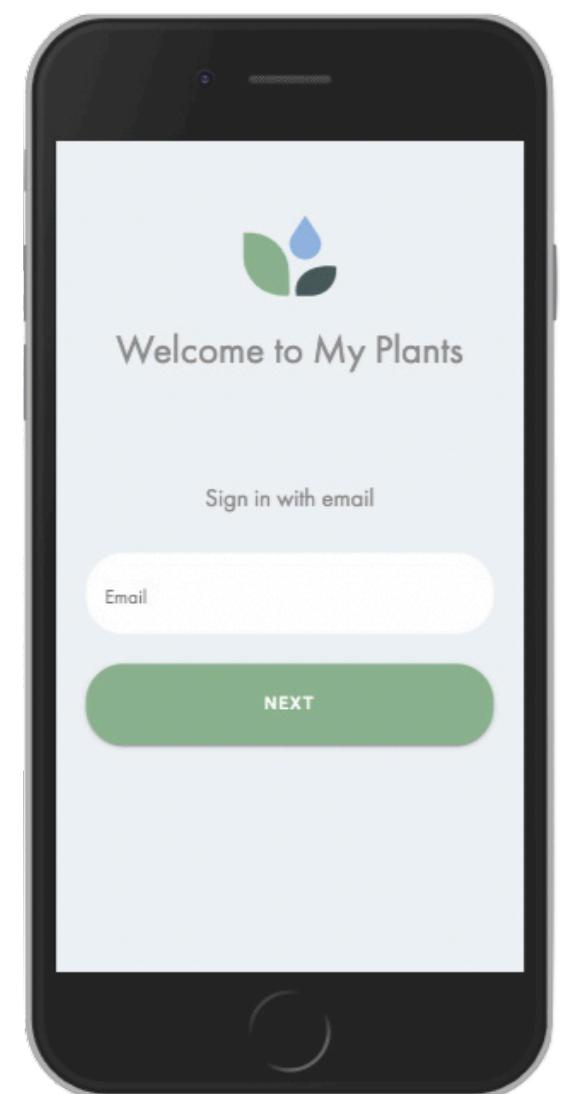
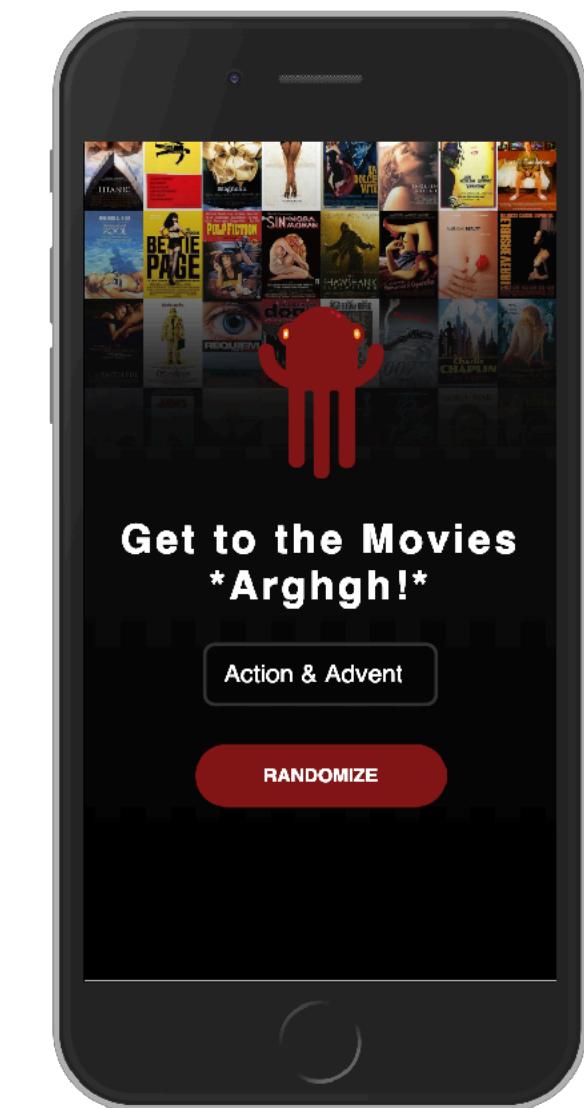
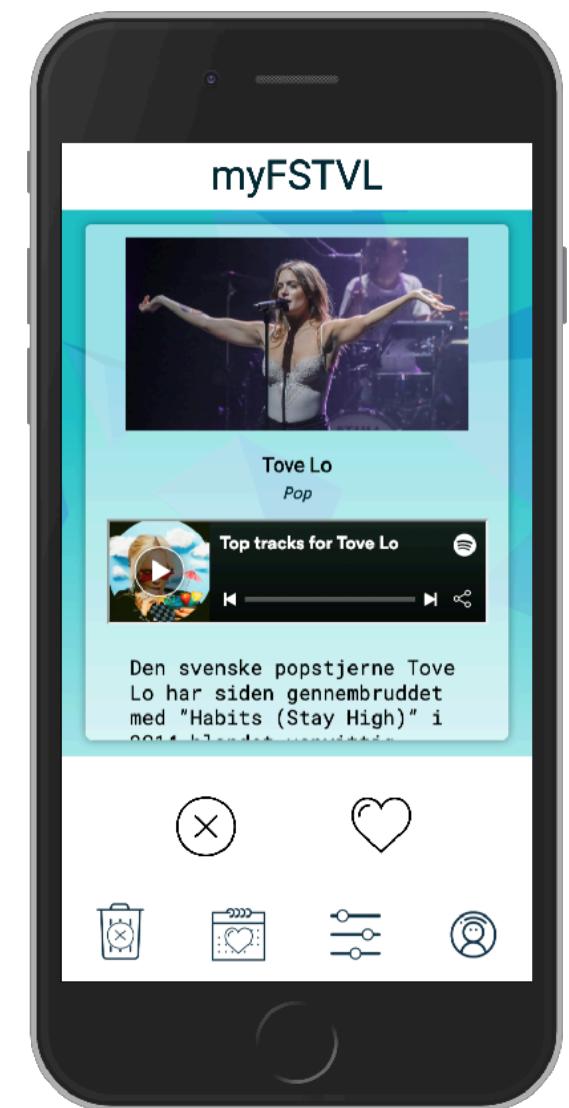
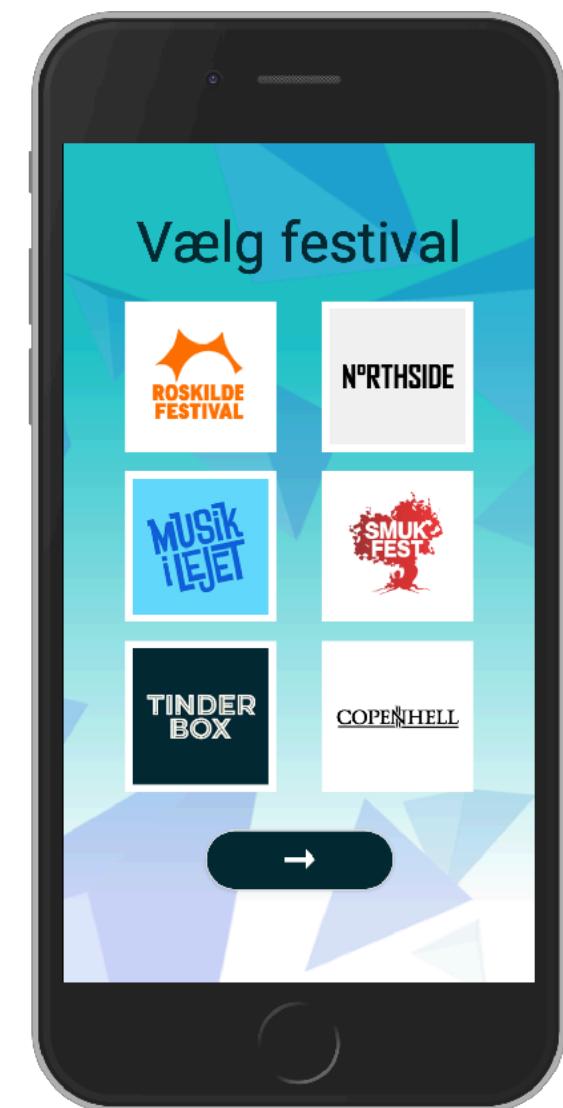
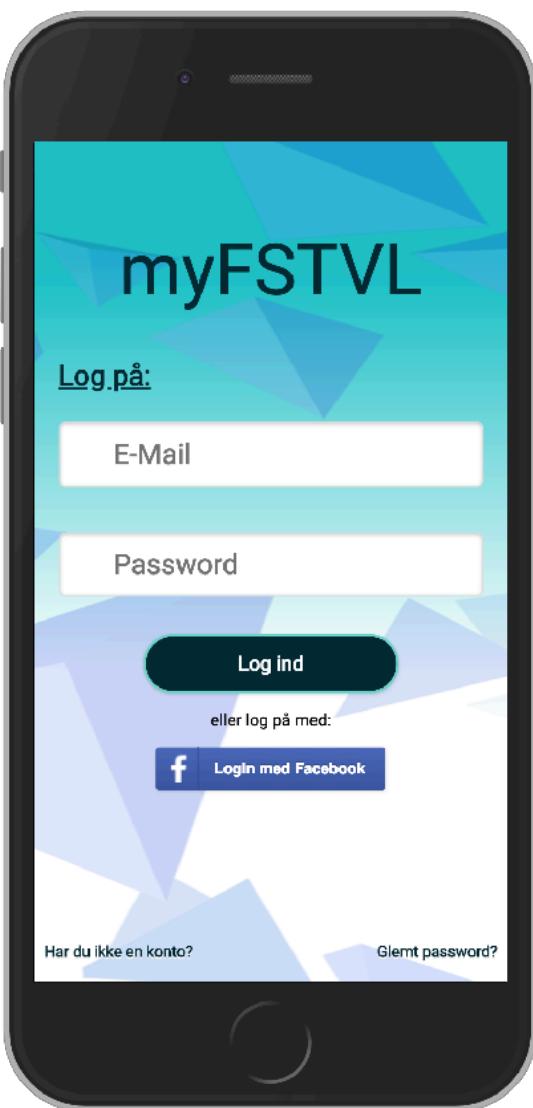
4

```

1 <!DOCTYPE ...>
2 <head>
3   <link rel="stylesheet" type="text/css" href="style.css">
4   <script src = "src/Thermostat.js"></script>
5   <script>
6     src="https://code.jquery.com/jquery-3.2.1.min.js"
7     integrity="sha256-hwg4sgFZhdsEEmdYGBf13FyQuiTwLAQgxVSNgta=">
8     crossorigin="anonymous"></script>
9   <script src = "jq.js"></script>
10 </head>
11
12 <body>
13   <h1> Temperature </h1>
14   <div style="position: absolute; left: 37%; top: 13%; width:300px; height:300px; -moz-border-radius: 120px; -webkit-border-radius: 120px; border-radius: 180px; background: #D8F6FA;"></div>
15   <span id="number" class = "number"></span> <h4> °C </h4>
16   <button id = "powersave" class = "saveon"> PowerSave On </button>
17   <button id = "plus" class = "plus"> + </button>
18   <button id = "minus" class = "minus"> - </button>
19   <button id = "Reset" class = "reset"> Reset </button>
20
21
22
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26
27
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29
  
```

8





# THE PROTOTYPING PROCESS



SKETCHES → WIREFRAMES → MOCK-UPS → PROTOTYPE

DRAWING  
PEN AND PAPER

MORE VISUAL  
XD, FIGMA

GRAPHIC DESIGN  
PS, XD, FIGMA

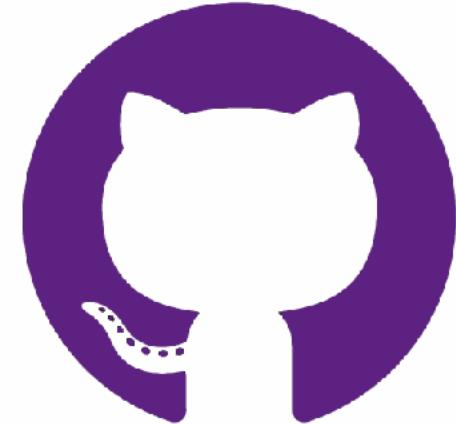
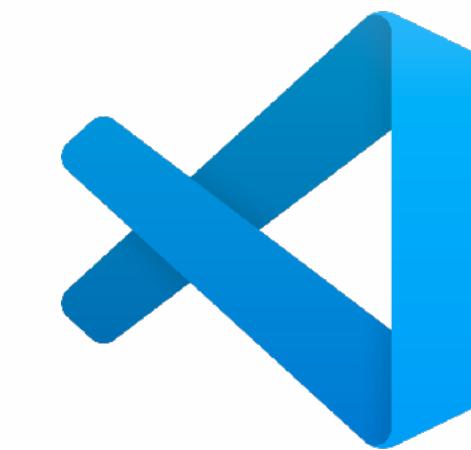
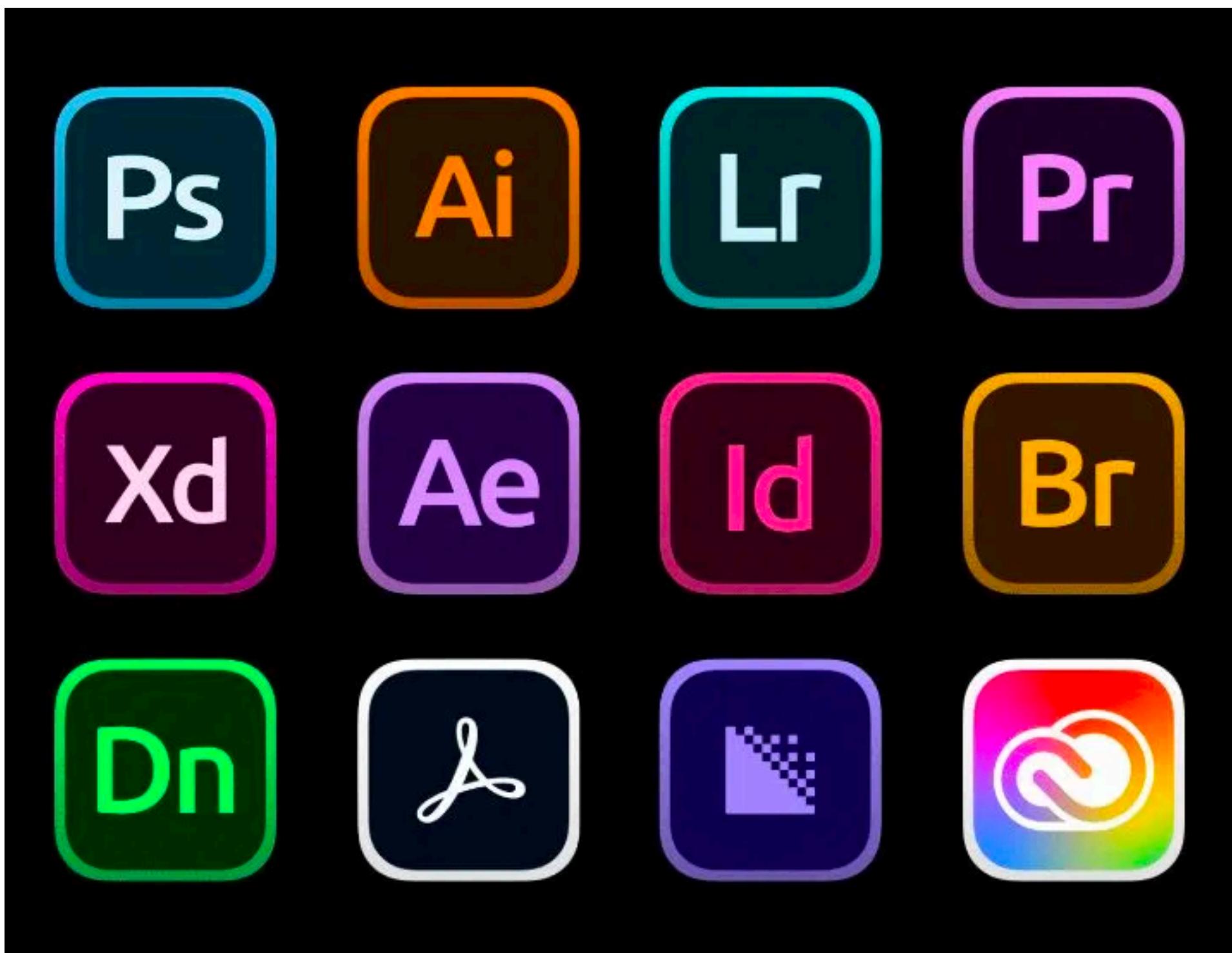
INTERACTIVE  
XD, FIGMA CODE



# MULTIMEDIEDESIGNERENS VÆRK TØJSKASSE



Adobe® Creative Cloud™



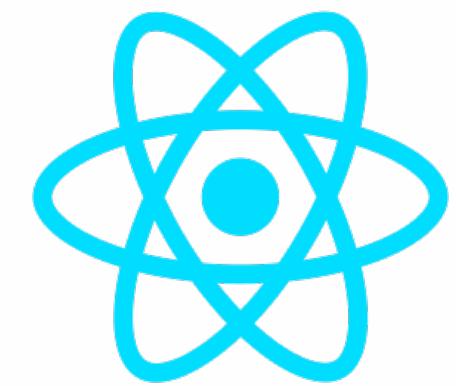
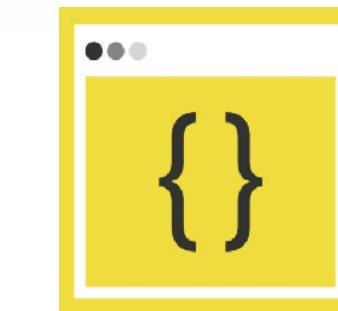
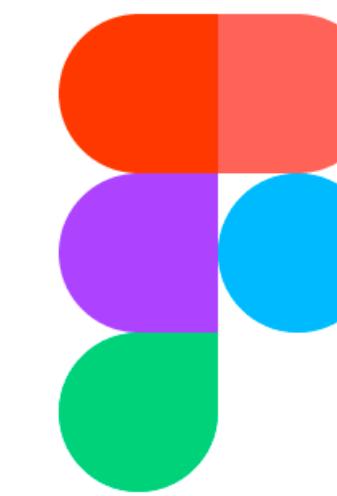
HTML



JS



CSS



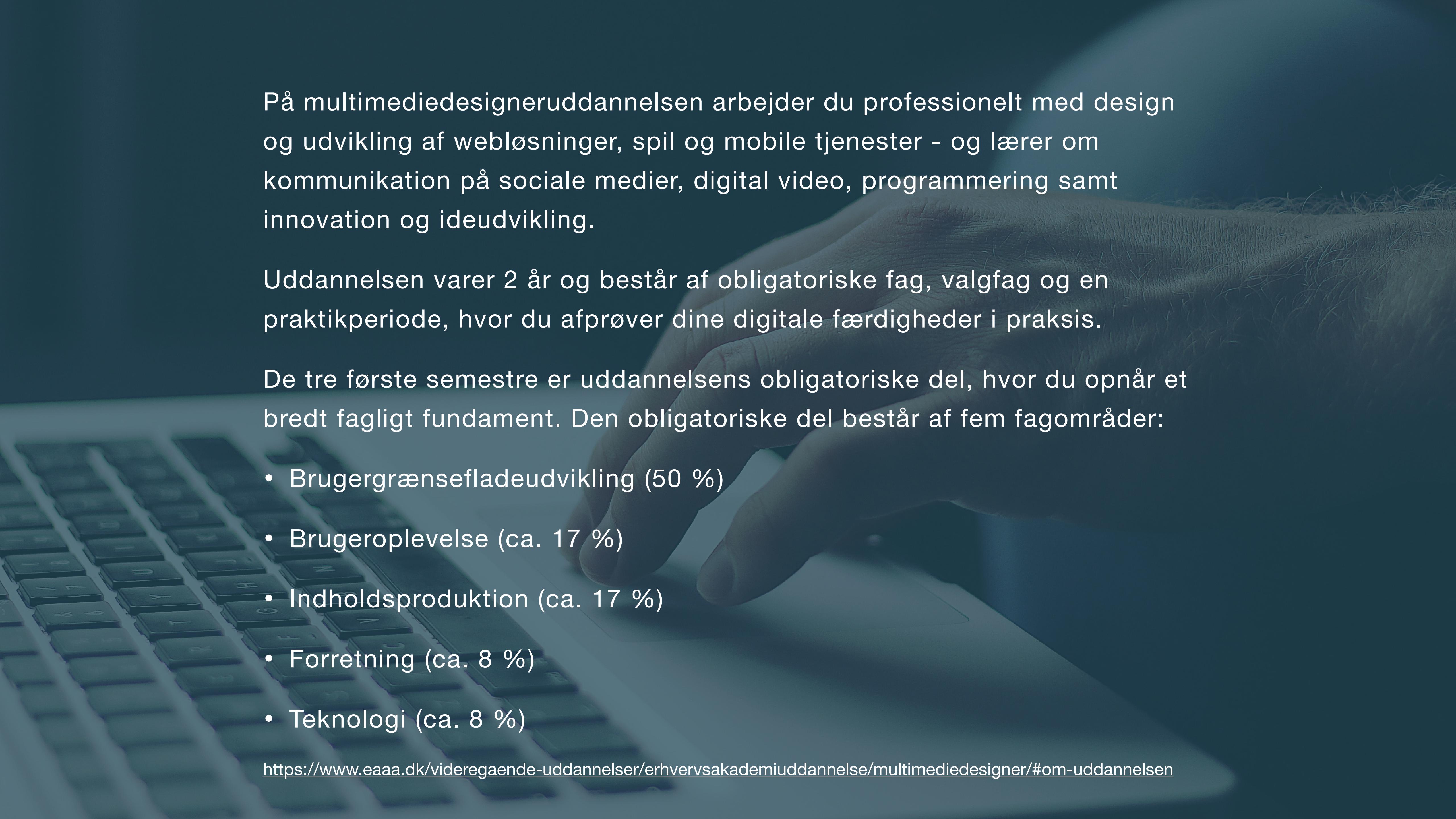
Klar til job på 2 år  
2-årig videregående uddannelse  
i digitale medier, programering, design og brugeroplevelser (UX)

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

Digital koncept-udvikling, Webudvikling, E-commerce samt  
Innovation & Entrepreneurship + adskillige på VIA University og  
andre steder



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 %)

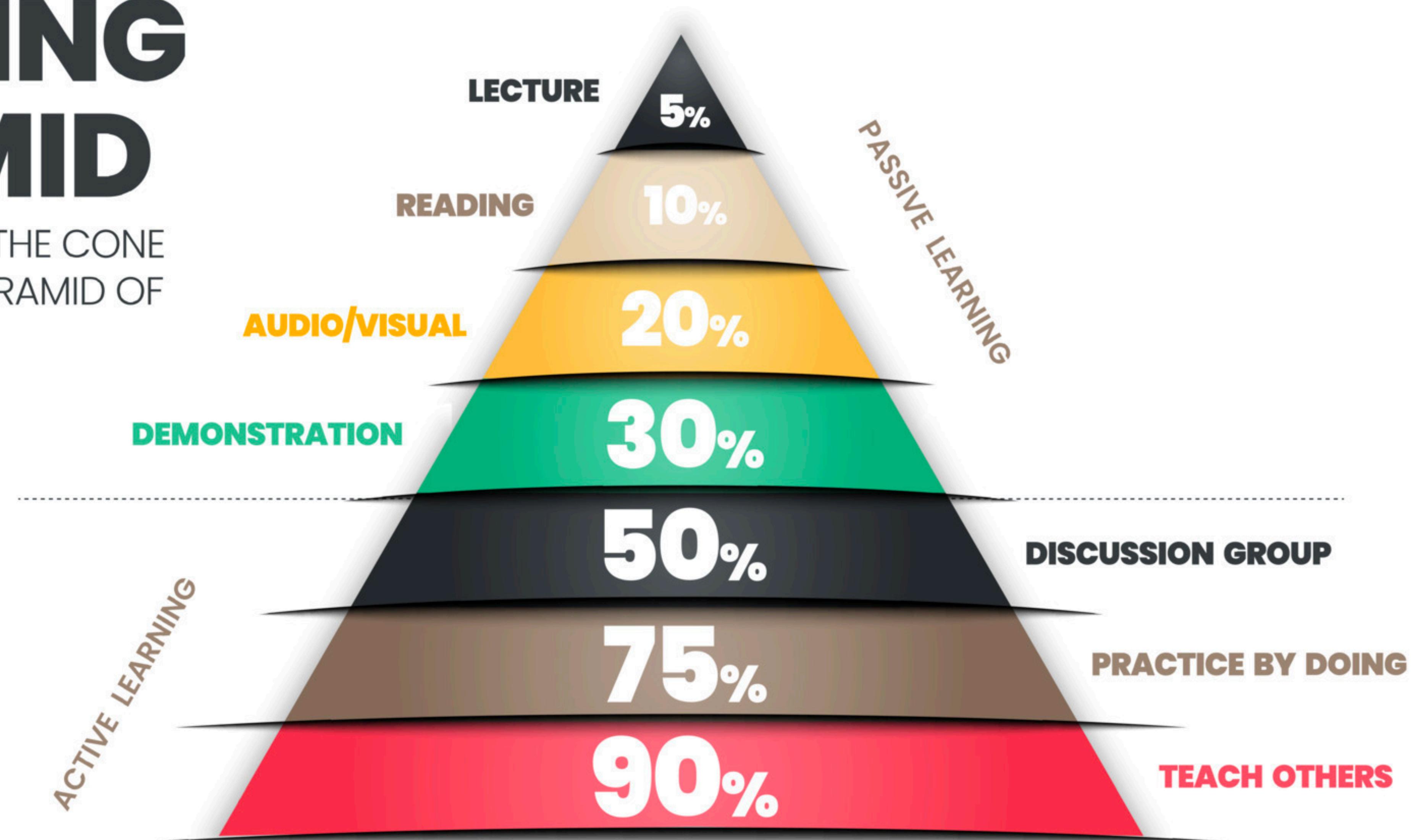
# OVERBYGNINGER



[Læs mere her](#)

# LEARNING PYRAMID

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





UDDAN DIG TIL MULTIMEDIEDESIGNER

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

# UDDANNELSENS OPBYGNING

**1. semester**



**2. semester**



**3. semester**



**4. semester**



1. semester	SPRINT-uge (website for virksomhed)	Online Magasin (Eget emne)	Mobile First (website - mobil, tablet og pc)	*	Eksamens-projekt (website for produkt)
2. semester	Digital Storytelling	UX/UI (Brugeroplevelse)	Specialisering		Eksamens-projekt (website for virksomhed)
3. semester	<p style="text-align: center;">Specialiseringslinjer</p> <p style="text-align: center;">Frontend Developer, Content Creator eller E-commerce Design &amp; Development</p> <p style="text-align: center;">(3 eksamensprojekter)</p>				
4. semester	Praktikforløb (selvvalgt virksomhed)		Afsluttende projekt (Hovedopgave)		



Gruppeprojekt



Individuelt projekt



\*

Specialisering



Praktik & Hovedopgave



DU KAN OGSA LÆSE "OS"  
PÅ INTERNATIONALK

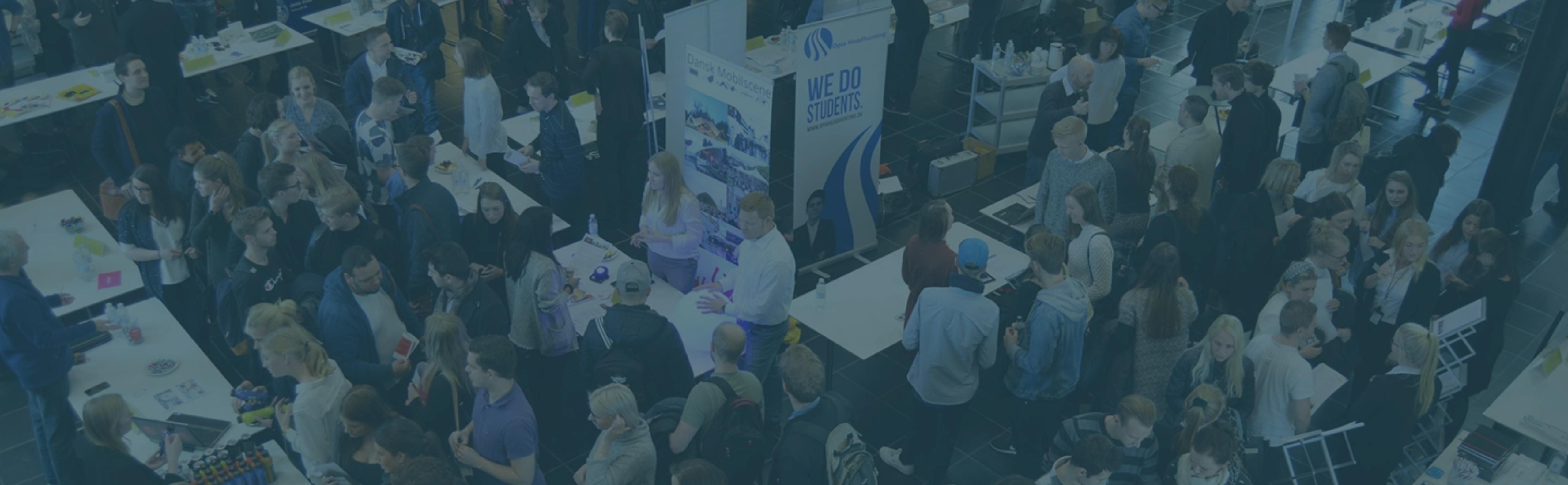
<https://www.baaa.dk/programmes/multimedia-design/>



**Study Multimedia Design  
in Denmark!**

A photograph of five people in a modern office environment. Four individuals are seated around a light-colored wooden table, while one person stands to the left. They appear to be engaged in a collaborative discussion or meeting. The person standing is wearing glasses and a dark jacket over a patterned scarf. The others are dressed in casual to semi-formal attire. On the table, there is a yellow booklet with the word "PRAKTIK" printed on it, along with some papers and a laptop. The background shows office cubicles and a whiteboard with colorful sticky notes.

# PRAKTIK



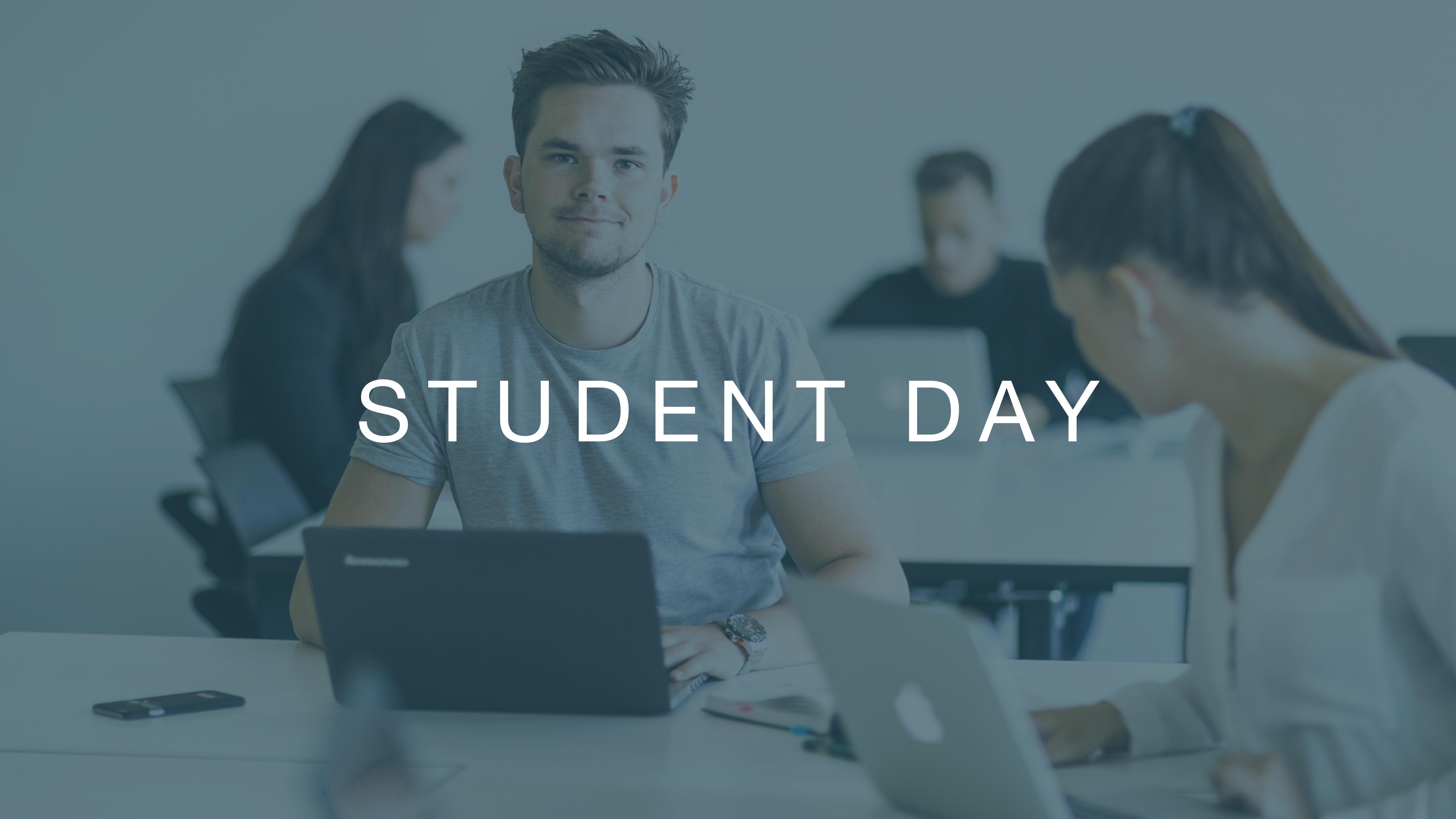
# COMPANY DAY



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



# STUDENT DAY



# JOBPORTAL

[jobportal.eaaa.dk](http://jobportal.eaaa.dk)

# HVERDAGEN

## FULD TIDSSTUDIE

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

## DINE MEDSTUDERENDE

Gennemsnitsalder: 22 år

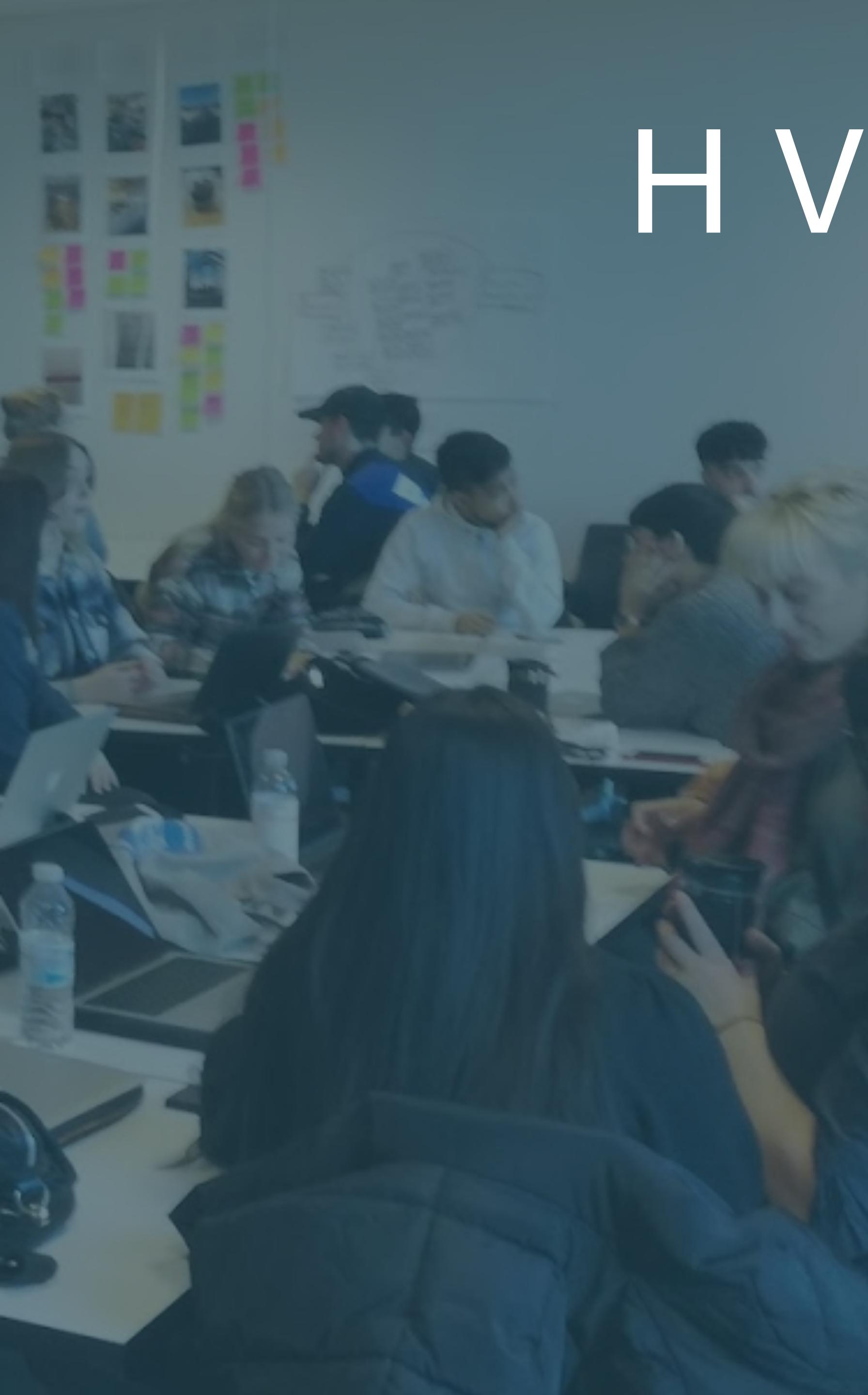
Fordeling: 60 % Kvinder & 40 % mænd

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 PÅ RINGVEJ SYD 104

<https://www.youtube.com/watch?v=KuH96527IRI>

# 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, focusing on the phone and the hand.

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

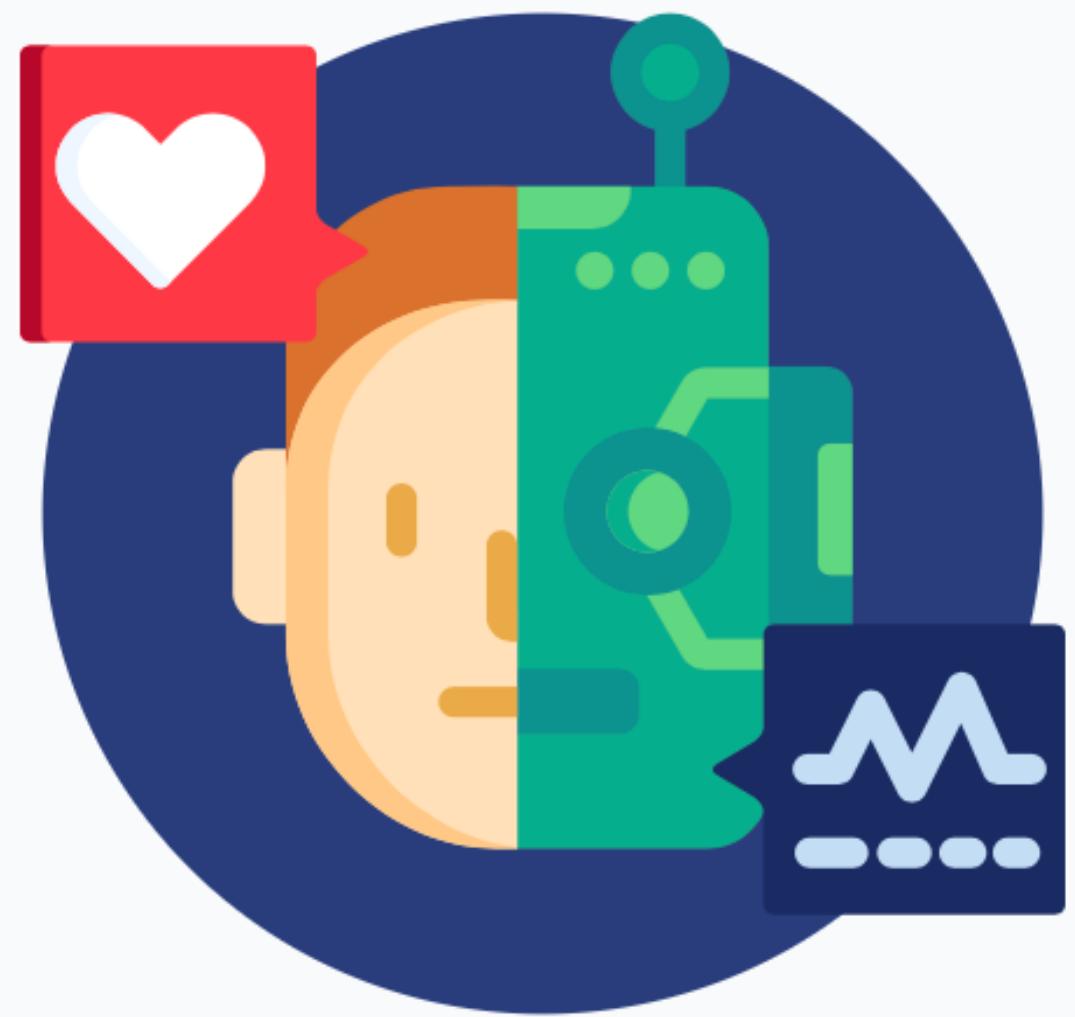
Det inkluderer skærm, touchskræm, knapper, tastatur, mus, lyde og lys.

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

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

# UI

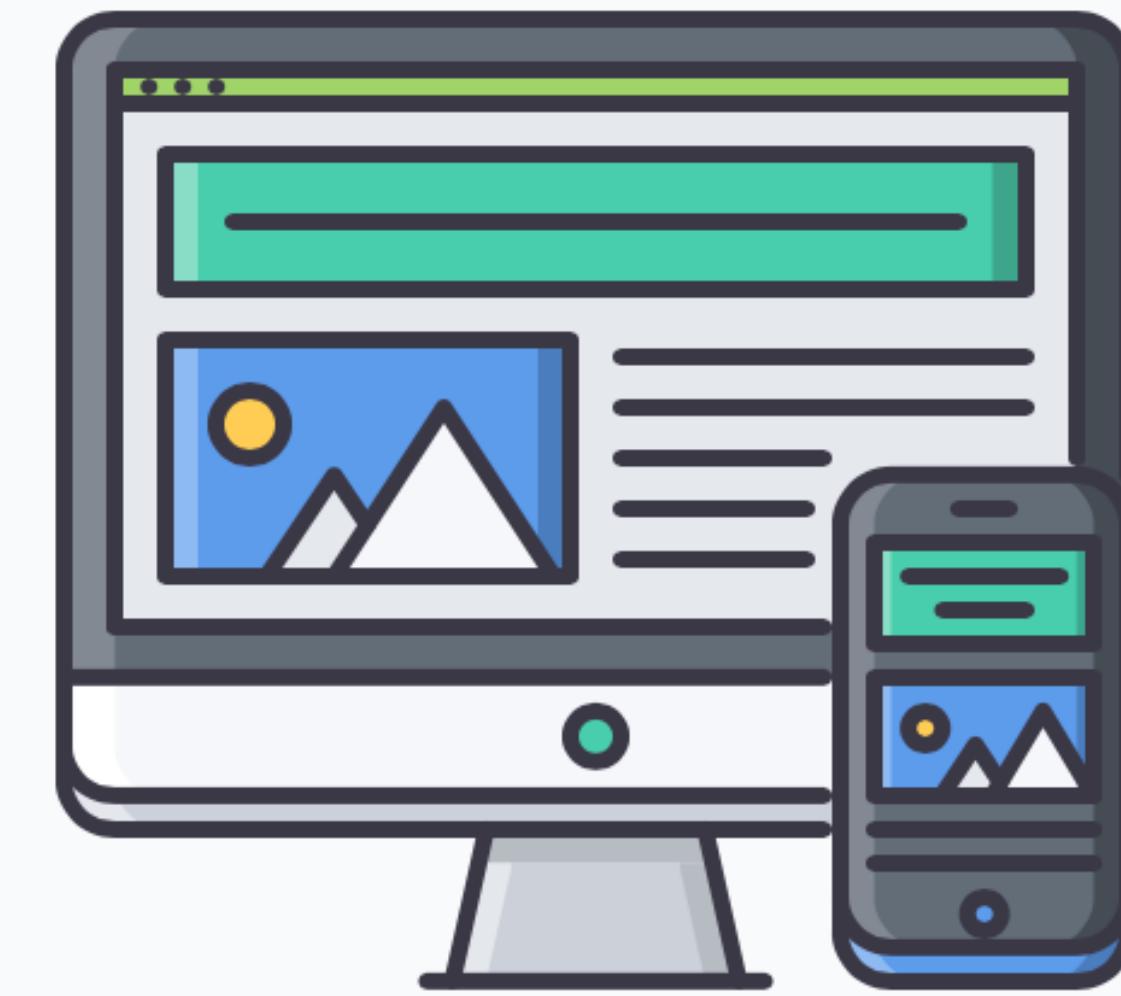
User Interface



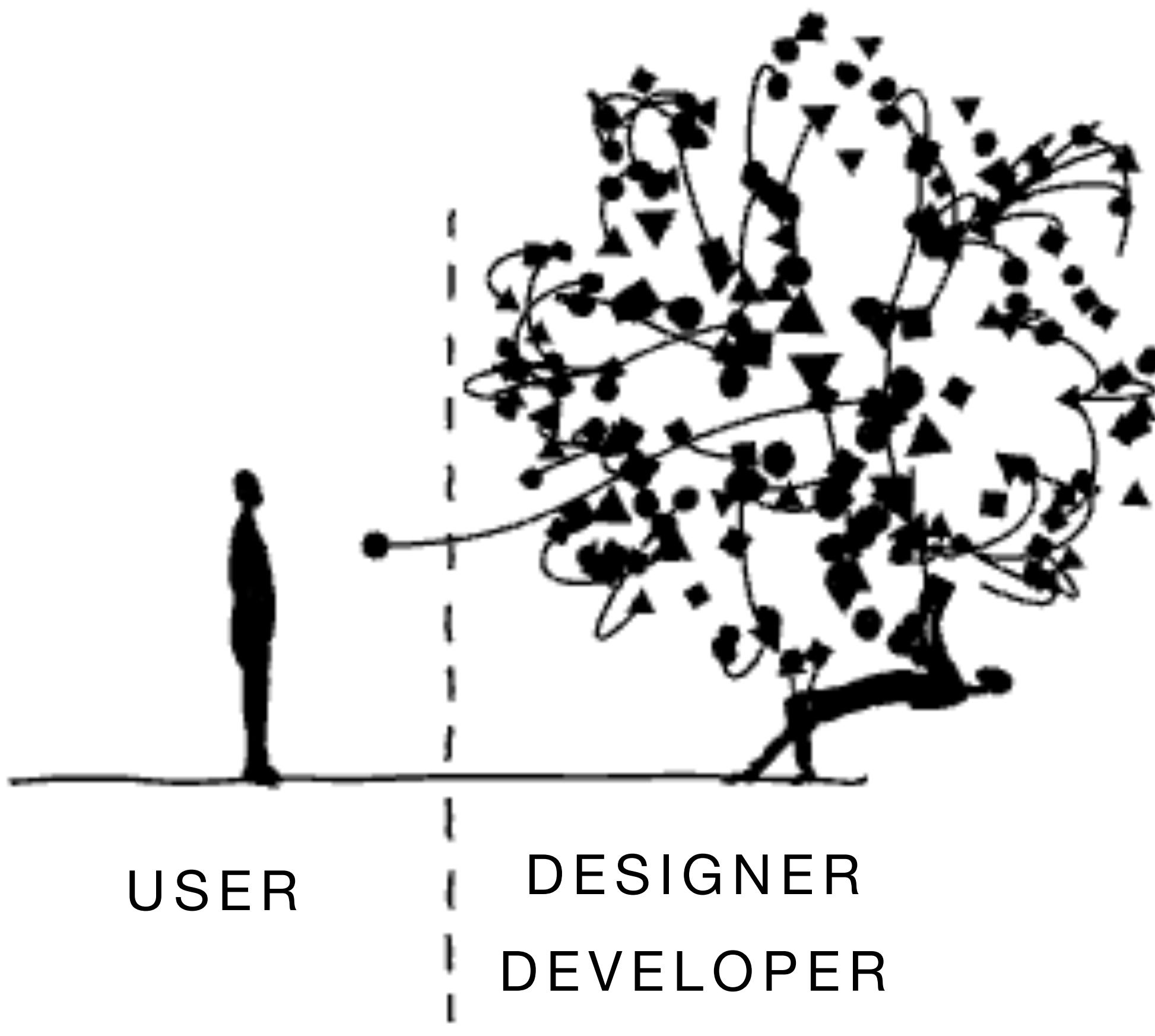
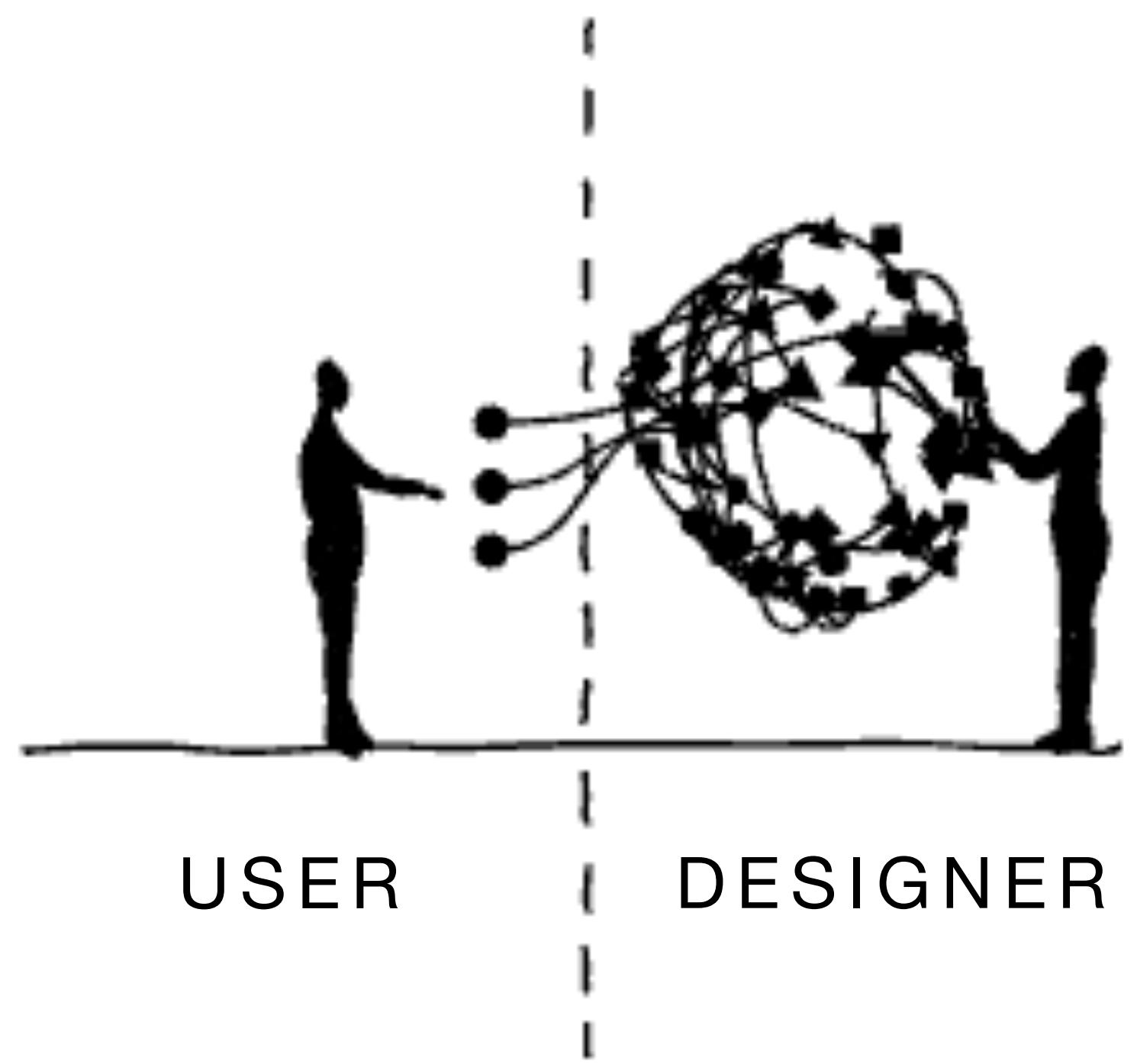
all the ways in which a person can interact with a machine or system; including computerised systems.

# GUI

Graphical User Interface



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



# UDDANNESEN S TEKNISKE ELEMENTER

## PROGRAMMERING AF BRUGERGRÆNSEFLADER OG INDHOLD



```
use strict;
const doc = document;
doc.addEventListener("DOMContentLoaded", function() {
  // const postFetchUrl = "http://api.cederdorff.com/wp-json/wp/v2/posts?_embed";
  const postFetchUrl = "http://api.cederdorff.com/wp-json/wp/v2/posts?_embed&categories=2";

  fetch(postFetchUrl)
    .then(function(response) {
      return response.json();
    })
    .then(function(posts) {
      console.log(posts);
      appendClients(posts);
    });
}

function appendClients(clients) {
  let html = "";
  for (let i = 0; i < clients.length; i++) {
    let client = clients[i];
    console.log(client);
    if (i % 2 === 0) {
      html += `<div class="col-left even">
        <div class="container">
          <div class="center">
            <h3>${client.title.rendered}</h3>
            <div class="client-links">
              <a href="${client.link[0].link_url[0]}" target="_blank">Link${client.link[0].link_text[0]} <i class="ion-ios-arrow-forward"></i><|> <a href="#">Link${client.link[1].link_text[0]}</a> <i class="ion-ios-arrow-forward"></i>
            </div>
          </div>
        </div>
      </div>
    `;
    } else { // index is odd
      html += `<article class="client">
        <div class="col-right even">
          
        </div>
      </article>
    `;
  }
}
```

# 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>
  html body div.L3eUgb
  Styles Computed Layout Event Listeners DOM Breakpoints >
```

Filter :hov .cls + [ ]

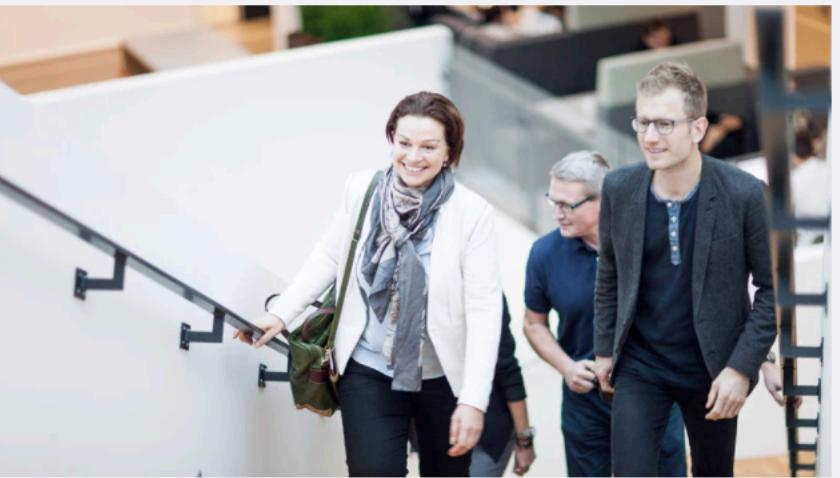
```
element.style {
}
.L3eUgb {
  display: flex;
  flex-direction: column;
}
```



## Videregående uddannelser

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

# *Hvad leder du efter?*



## Efteruddannelse og kurser

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



## Få hjælp til din ansøgning

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

## **Start på en videregående**

Elements    Console    Sources    Network    Performance    Memory    Application    Security    Lighthouse ⚠ 1        

html body

```
<!DOCTYPE html>
<html lang="da">
  <head>...</head>
  ...<body class="main"> == $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) -->
    ><noscript>...</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>
    </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/activityi;src=6269280;type=begw0;cat=d...cs=G111;auiddc=1978665229.1603201714;~oref=https%3A%2F%2Fwww.eaaa.dk%2F?">...</script>
  <script type="text/javascript" id="fbq("trackCustom","Engagement");</script>
</body>
</html>
```

Styles    Computed    Event Listeners    >

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;
```

Rasmus Cederdorff (@cederdorff) +

← → ⌂ Instagram.com/cederdorff/ Incognito :

CANVAS E19FRONT CANVAS EAAA APPS MS OFFICE CURRICULUMS BOOKS

iPhone 6/7/8 ▾ 375 x 667 100% Online

Instagram cederdorff

Rediger profil

Rasmus Cederdorff  
Lecturer at @erhvervsakademiaaarhus  
Freelance Web & App Developer  
Father of Alicia & Ida  
Aarhus, Denmark  
[cederdorff.com](#)

ME ME ME IDA 5 YE... @AALKJR ALICIA & ... LONDON ... LEG

166 opslag 5.197 følgere 450 fulgte

grid camera bookmark photo

```
<!DOCTYPE html>
<html lang="da" class="js logged-in client-root js-focus-visible sDN5V">
  <head>...</head>
  <body class="style" == $0>
    <div id="react-root">
      <form enctype="multipart/form-data" method="POST" role="presentation">...
      </form>
      <section class="9eogI E3X2T">
        <div></div>
        <main class="SCxLW o64aR" role="main">
          <div class="v9tJq AaASh VfzDr">
            <header class="HVbuG">...</header>
            <div class="vDIg">...</div>
            <div class="4bSq7">...</div>
            <ul class="3dEHb">...</ul>
            <div class="fx7hk">...</div>
            <div class="2z6nI">
              <article class="ySN3v">
                <div style="flex-direction: column; padding-bottom: 0px; padding-top: 0px;">
                  <div class="Nnq7C weEfm">...</div>
                  </div>
                </div>
                <div class="4emnV">...</div>
              </article>
            </div>
          </main>
          <nav class="NXc7H jLuN9">...</nav>
          <footer class="8Rna9 _3Laht" role="contentinfo">...</footer>
        </section>
      </div>
      <script type="text/javascript">window._pendingAdditionalData(["feed"]);</script>
      <link rel="stylesheet" href="/static/bundles/es6/ConsumerUICommons.css/6a9060457779.css" type="text/css" crossorigin="anonymous">
      <link rel="stylesheet" href="/static/bundles/es6/Consumer.css/86e8a84cb4ec.css" type="text/css" crossorigin="anonymous">
      <script type="text/javascript">...</script>
      <script type="text/javascript" src="/static/bundles/es6/Vendor.js/c911f5848b78.js" crossorigin="anonymous"></script>
      <script type="text/javascript" src="/static/bundles/es6/da_DK.js/46c0d9b3257d.js" crossorigin="anonymous"></script>
      <script type="text/javascript" src="/static/bundles/es6/ConsumerLibCommons.js/4d50460379cf.js" crossorigin="anonymous"></script>
      <script type="text/javascript" src="/static/bundles/es6/ConsumerUICommons.js/f3fac56c708f.js" crossorigin="anonymous"></script>
      <script type="text/javascript" src="/static/bundles/es6/ConsumerAsyncCommons.js/c4ca4238a0b9.js" crossorigin="anonymous"></script>
      <script type="text/javascript" src="/static/bundles/es6/e1e7b108fe2f.js" crossorigin="anonymous" charset="utf-8" async></script>
```

html.js.logged-in.client-root.js-focus-visible.sDN5V body

# WEB TEKNOLOGIER

**HTML**



HTML

STRUCTURE  
CONTENT

**JS**



JAVASCRIPT

FUNCTIONALITY  
BEHAVIOR

**CSS**



CSS

LAYOUT / STYLING  
PRESENTATION

**HTML**



**HTML** the Skeleton



**CSS**



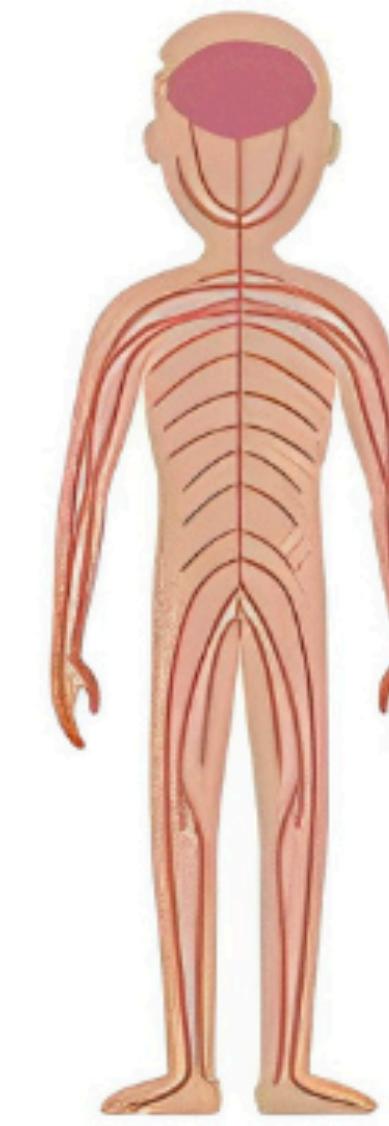
**CSS** the Skin



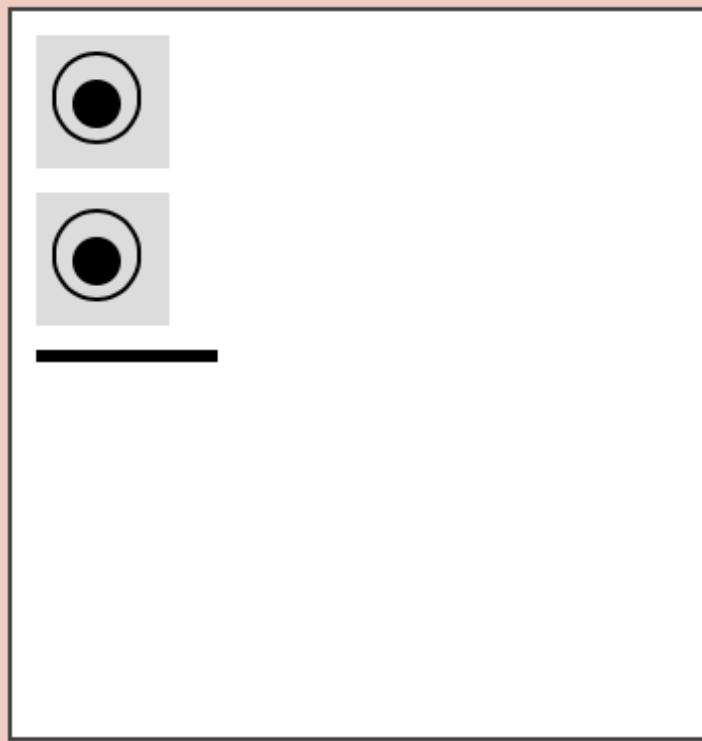
**JS**



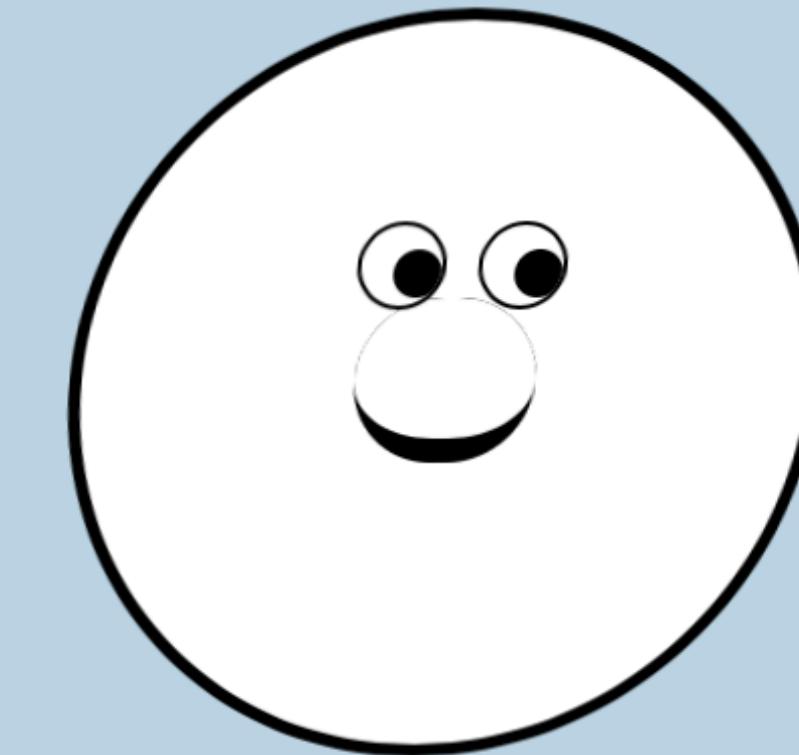
**Javascript** the Brain



## HTML

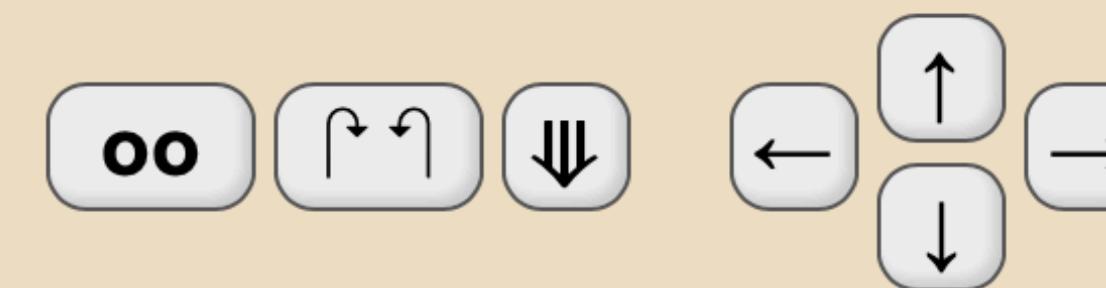


## HTML + CSS



## 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](https://www.w3schools.com/html/html_intro.asp)

```
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
```



```
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.

# Anatomy of an HTML document

```
<> 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>  
11
```

```
<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.

```
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.

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

# 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

< > ⌂ 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     </body>
11 </html>
12
```

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
```

This is a Heading  
This is a paragraph.

index.html x

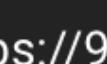
Browser Tests

```
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    <p id="my-paragraph">This is another paragraph.</p>
11  </body>
12 </html>
13
```



Browser

Tests



https://9nypo.csb.app/



# 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 }
13
```

I

T

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 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         <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 x

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

...

Browser

Tests



https://9nypo.csb.app/



# 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 (<img>)
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**

The screenshot shows a grid layout with three columns. Each column contains a portrait photo and the name of a teacher below it. The first column has 'Birgitte Kirk Iversen' (Senior Lecturer, hki@mail.dk). The second column has 'Martin Aagaard Nøhr' (Lecturer, mnor@mail.dk). The third column has 'Peter Lind' (Senior Lecturer, pell@kea.dk).

**Header**

The screenshot shows a header section divided into three equal-width columns. Each column is labeled 'Column'. Below the header, there is a footer section labeled 'Footer'.

**Amerikanske chocolate chip cookies**

**Cookies**

Klassiske amerikanske cookies - sprøde udenpå og bløde indeni... Og hvis der er noget du 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 gør nok ikke den store forskel. Der er chokoladestykker i - og de smager prægtfuldt. Prøv denne opskrift på den perfekte Chocolate chip cookie, næste gang lækkersulten banker på døren!

**Ingredienser**

**Cookies**

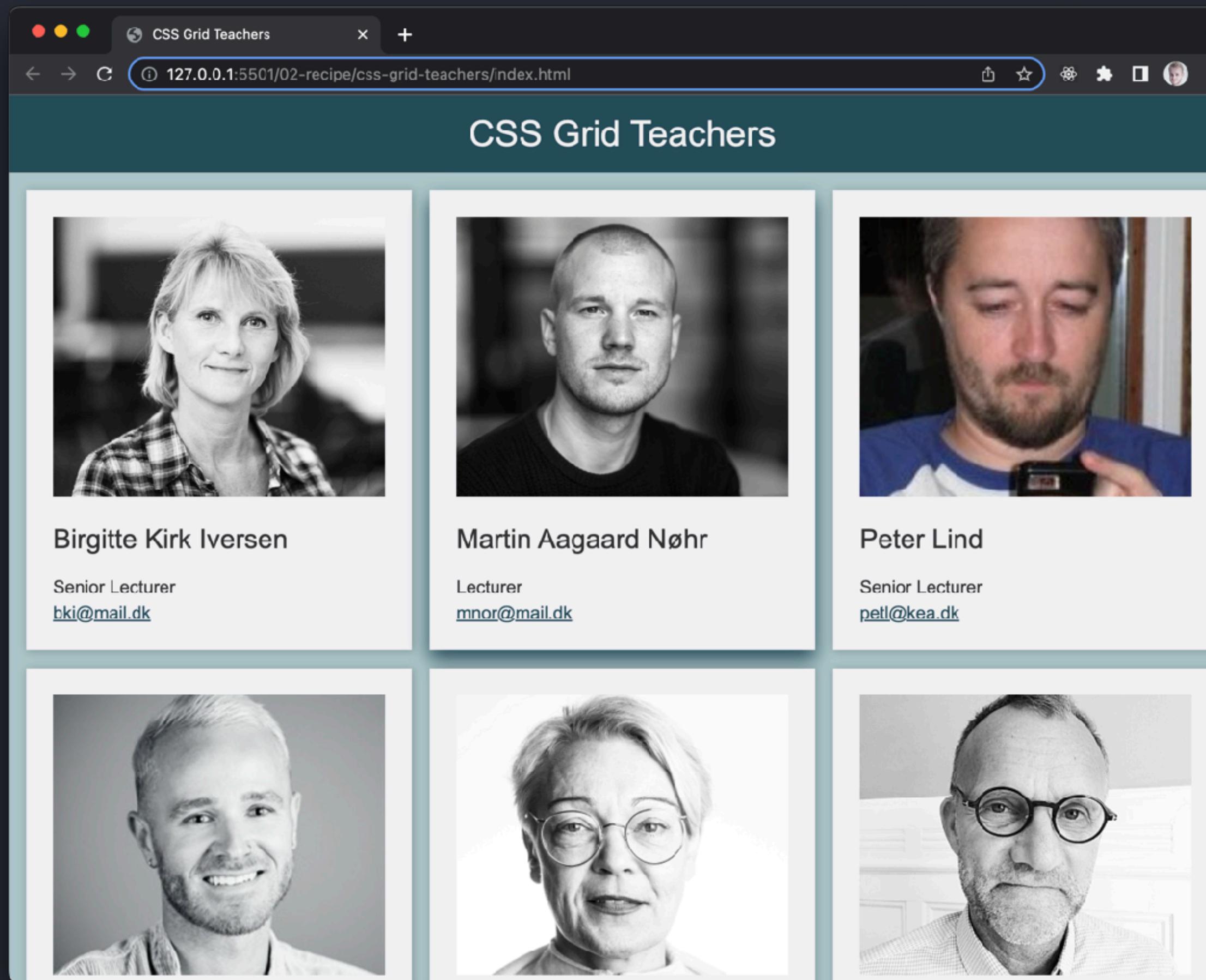
- Bledt smør, 150 g
- Sukker, (ca. 1½ dl) 125 g
- Brun farin, (ca. 1½ dl) 125 g
- Vanille-sukker, 2 tsk
- Eg, 1
- Hvedemel (ca. 4½ dl), 250 g
- Natron, 1 tsk
- Grit salt, ¼ tsk
- Bagepulver, ½ tsk

**Sådan gør du**

1. Pisk smør, sukker, brun farin, vanille og æg godt sammen.  
2. Bland hvedemel, natron, salt og bagepulver og før det i smørblandingen sammen med chokolade.  
3. Del dejen i 20 stykker a ca. 45 g og form dem til kugler.  
4. Sat kuglerne på plader med bagepapir - tryk dem let flade. Kagerne fylder en del ud, så sørг for, at der er god placé imellem dem.  
5. Bag kagerne til de er gyldne, men bløde i midten.  
6. Lad kagerne afkøle ca. 5 min. på bagepladen og flyt dem så over på en rist.

**Bagetid**

# 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;
  }
}
```

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 Responsive  
RWD Intro  
RWD Viewport  
RWD Grid View  
RWD Media Queries  
RWD Images  
RWD Videos  
RWD Frameworks  
RWD Templates

CSS Grid  
Grid Intro  
Grid Container  
Grid Item

CSS SASS  
SASS Tutorial

CSS Examples  
CSS Templates  
CSS Examples  
CSS Quiz  
CSS Exercises  
CSS Certificate

CSS References  
CSS Reference  
CSS Selectors

# 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

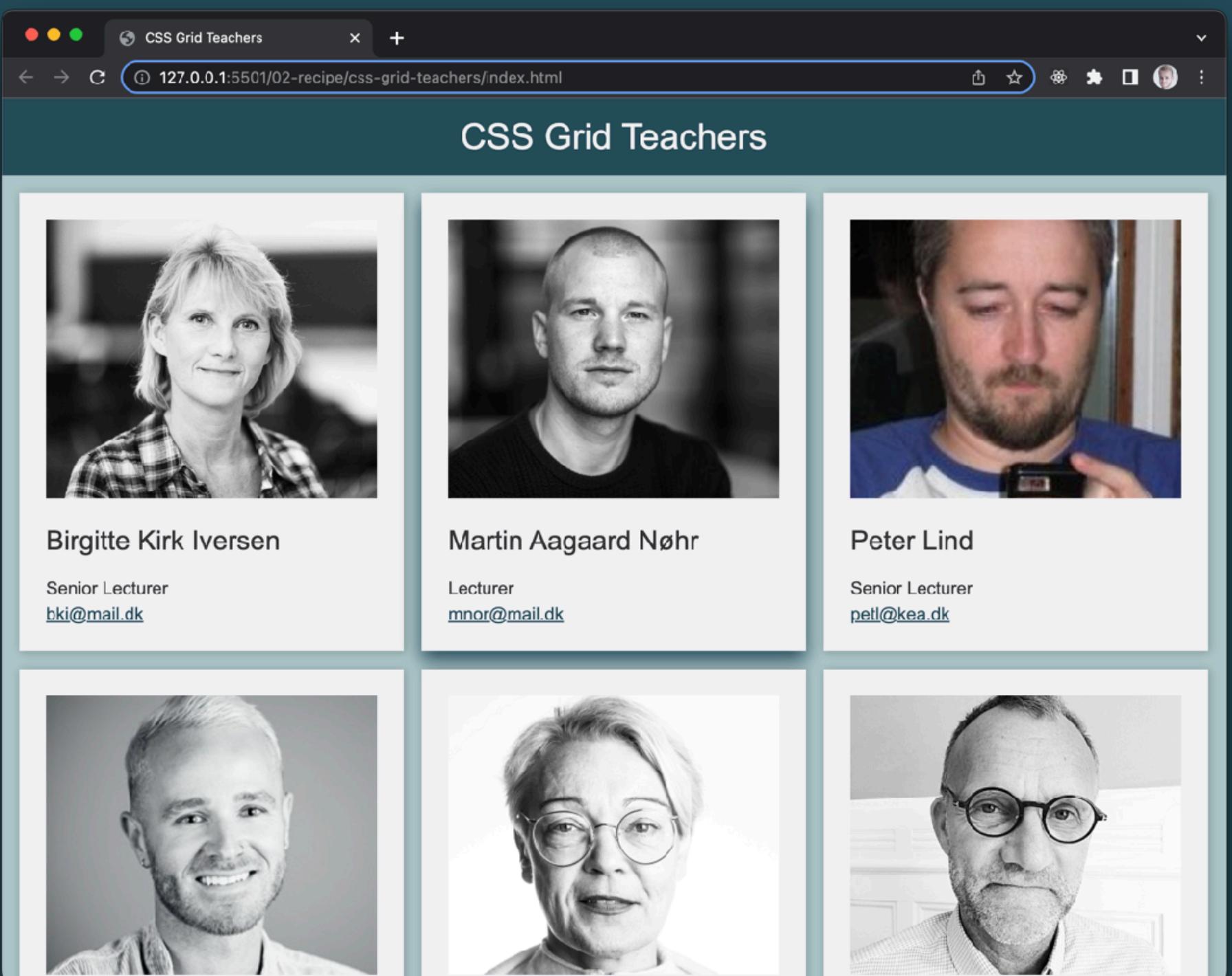
NEW  
We just launched W3Schools videos  
Explore now

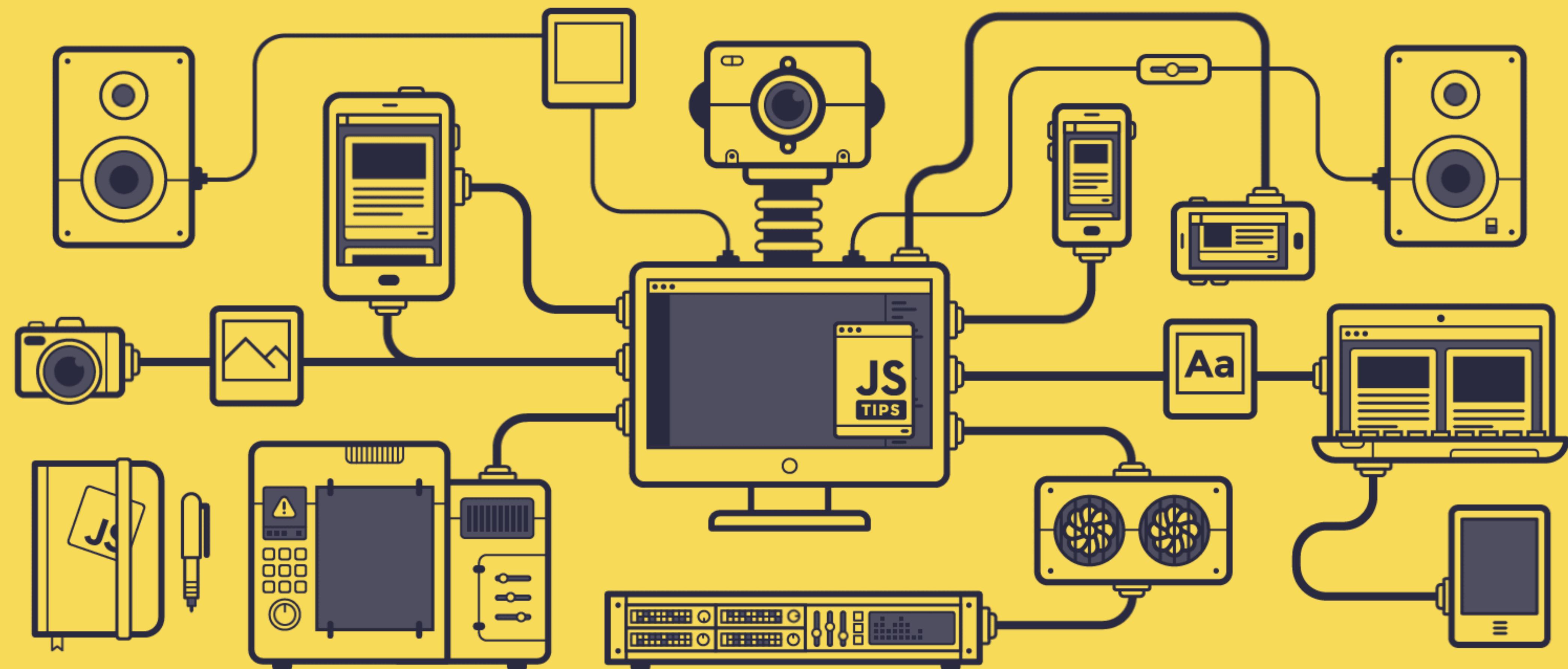
COLOR PICKER

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

```
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>
```



index.html



index.html



index.html



index.html



index.html



index.html



index.html



index.html



index.html

...

Browser

Tests

Terminal



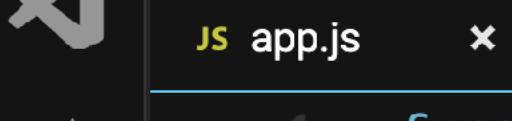
https://brg12.csb.app/



# This is a Heading

This is a paragraph.

Try me



app.js

```
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://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
```

index.html

# styles.css

```
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    <input type="text" placeholder="Type your name" id="name" />
11    <button>Try me</button>
12    <script src="app.js"></script>
13  </body>
```

JS app.js

```
1 function alertName() {
2   const name = document.querySelector("input").value;
3   alert("Hi, " + name + "! Welcome to my web app!");
4 }
5
6 document.querySelector("button").addEventListener("click", alertName);
```

Browser

Tests

Terminal

<https://brg12.csb.app/>

# This is a Heading

This is a paragraph.

Try me

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

```
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    <input type="text" placeholder="Type your name" id="name" />  
11    <button>Try me</button>  
12    <section id="content"></section>  
13    <script src="app.js"></script>  
14  </body>
```

```
JS app.js ...  
1 function displayName() {  
2   const name = document.querySelector("input").value;  
3   document.querySelector("#content").insertAdjacentText("beforeend", name);  
4 }  
5  
6 document.querySelector("button").addEventListener("click", displayName);  
7
```

Browser Tests Terminal

< > ⌂ https://brg12.csb.app/

# This is a Heading

This is a paragraph.

Rasmus Cederdorff

Try me

Rasmus Cederdorff

# 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 `<img>` tag:

The Light Bulb

Turn on the light Turn off the light

Try it Yourself »

ADVERTISEMENT

w3 Get Certified in HTML, CSS, and JavaScript Get Certified >

Progress Bars  
Parallax  
Login Form  
HTML Includes  
Google Maps  
Range Sliders  
Toolips  
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

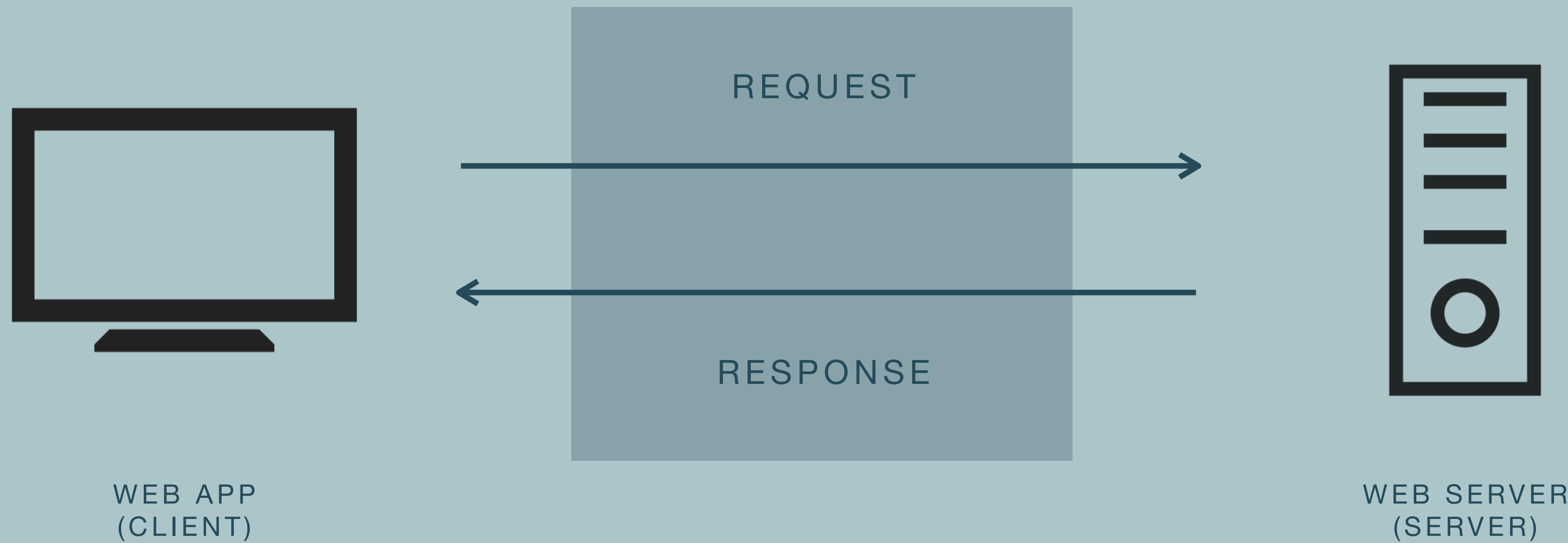
```
1 function changeMyWebsite() {
2   document.body.style.backgroundColor = "red";
3   document.body.style.color = "white";
4   document.querySelector("h1").innerHTML = "My new header";
5   alert("Hi, Welcome to my web app!");
6 }
7
8 document.querySelector("button").addEventListener("click", changeMyWebsite);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

# With JavaScript we are able to

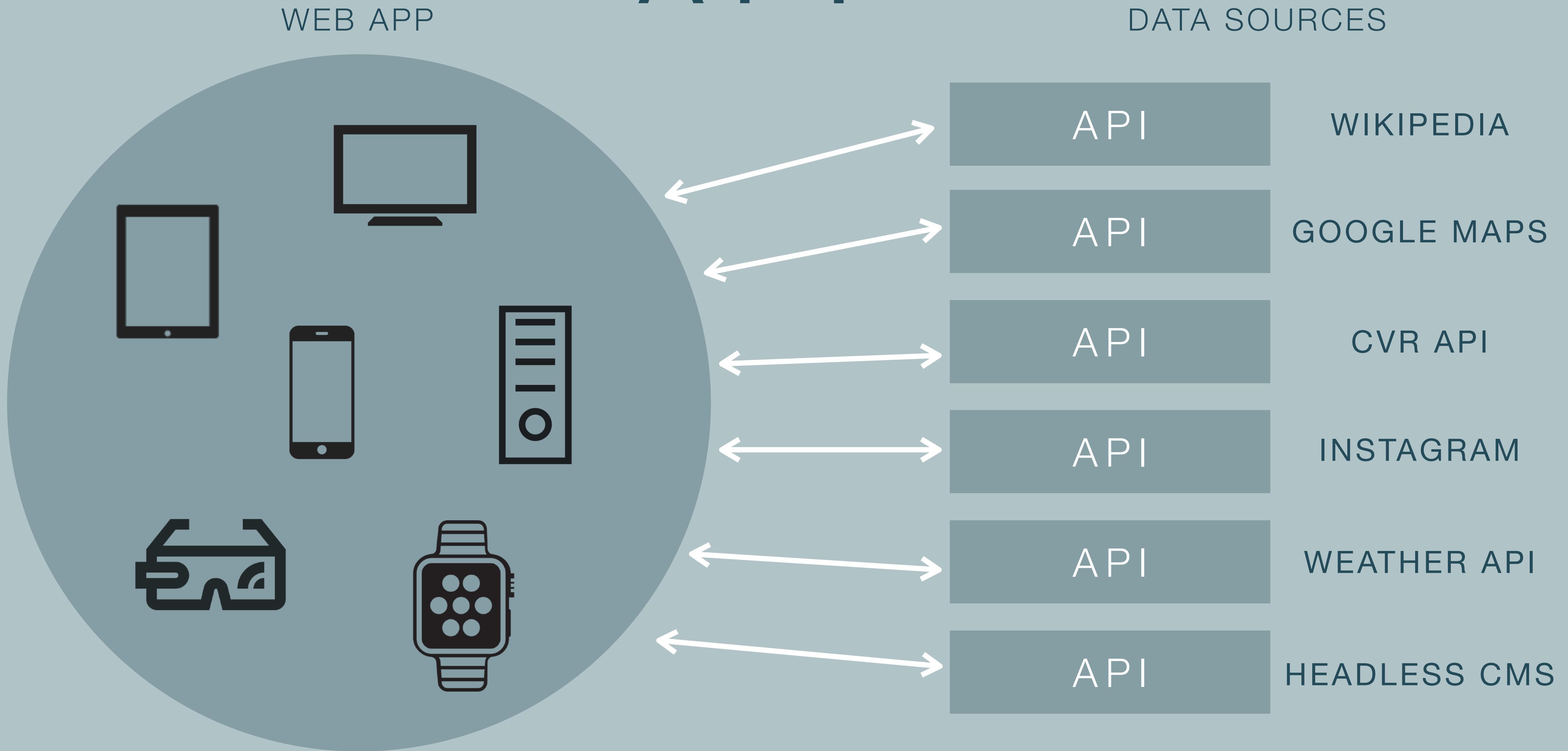
- build dynamic web pages and web apps.
- fetch content/ data from a backend (web service, data source, etc. ) through an API.
- do DOM-manipulation.
- build and develop anything 🤯

<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

Birgitte Kirk Iversen  
Senior Lecturer  
[bki@baaa.dk](mailto:bki@baaa.dk)

Dan Okkels Brendstrup  
Lecturer  
[dob@baaa.dk](mailto:dob@baaa.dk)

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

[race@eaaa.dk](mailto:race@eaaa.dk) [cederdorff.com](mailto:cederdorff.com)



# 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-f0uku>

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

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

BESØG AF  
STUDERENDE  
LOUISE BEKKER MERFELDT



MARIA LOUISE  
BENDIXEN  
UX- OG CONTENTUNDERVISER

Okt 25

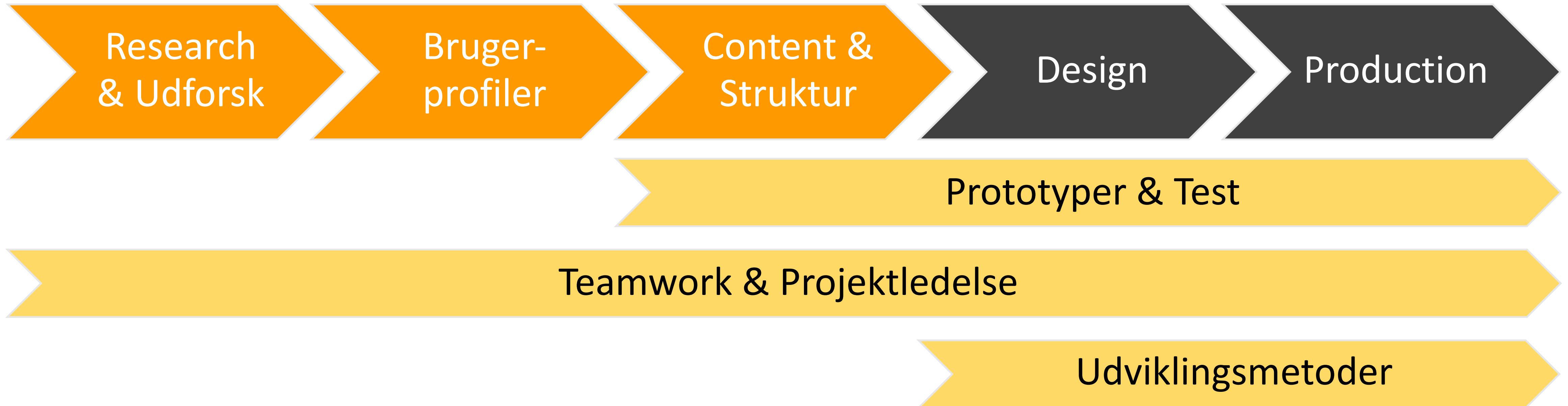
# Tænk på brugeren



rawpixel'

Ved underviser i UX og content  
Maria Louise Bendixen





# RESEARCH

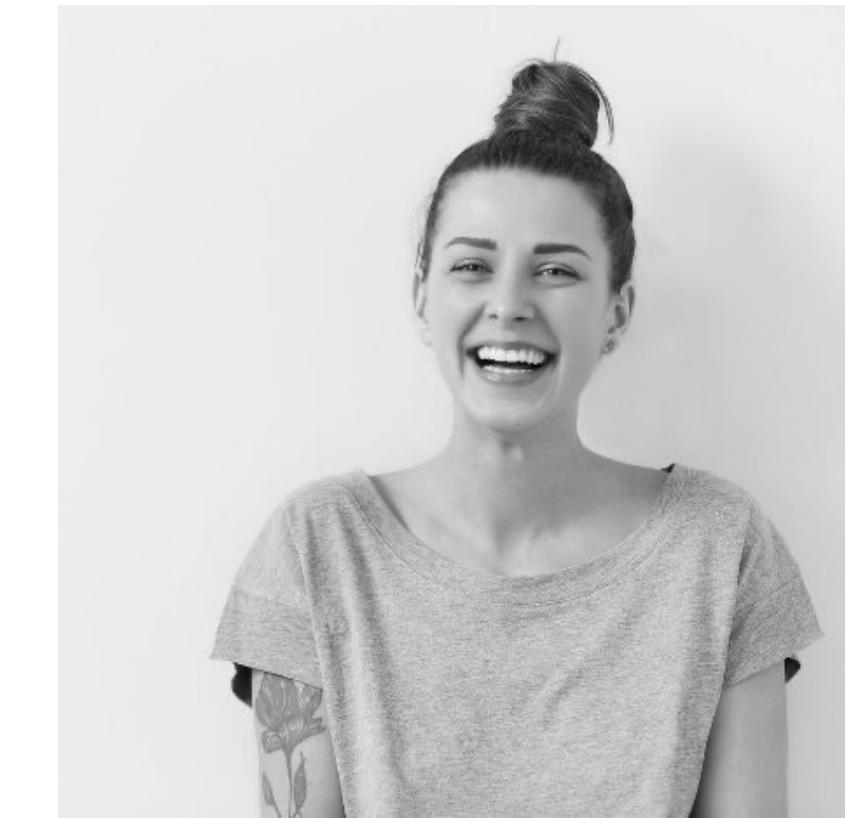
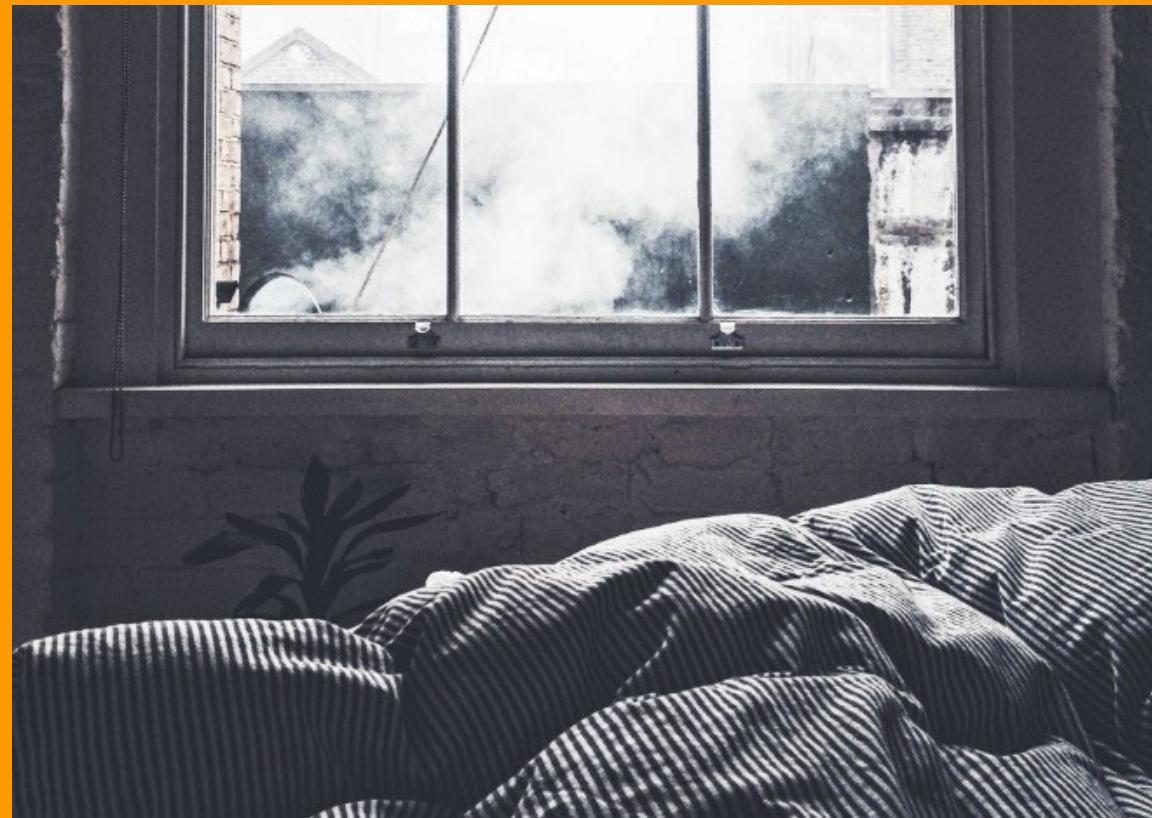


Hvad er en god morgen for dig?  
Hvilken betydning har det for resten af din dag?



Interviews  
Observationer  
Online søgning  
Spørgeskema

Brugerprofiler  
Brugeroplevelser



Alarmen  
ringer

Ud af sengen

En tur  
omkring  
badeværelset

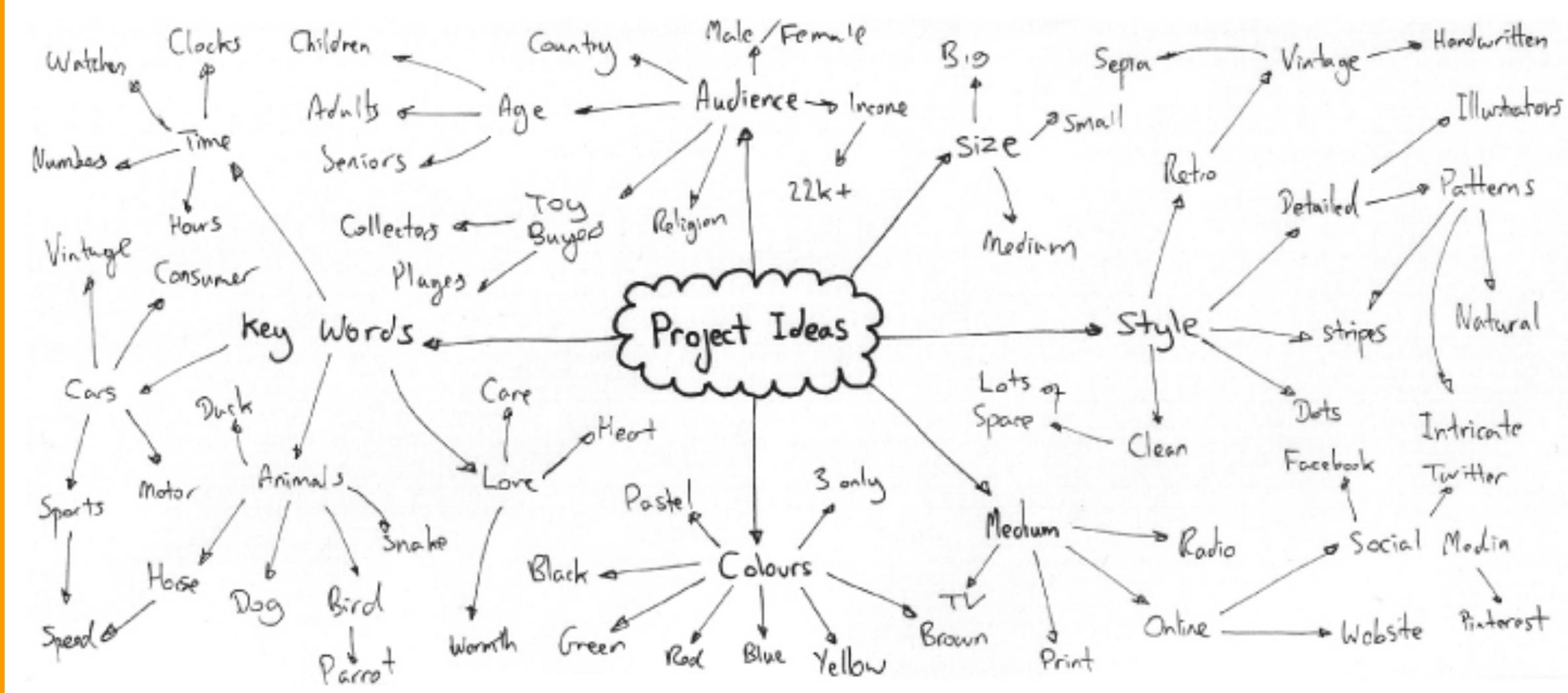
Morgenmad

Afsted til  
skole/arbejde

# MAPPING

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

# KREATIV

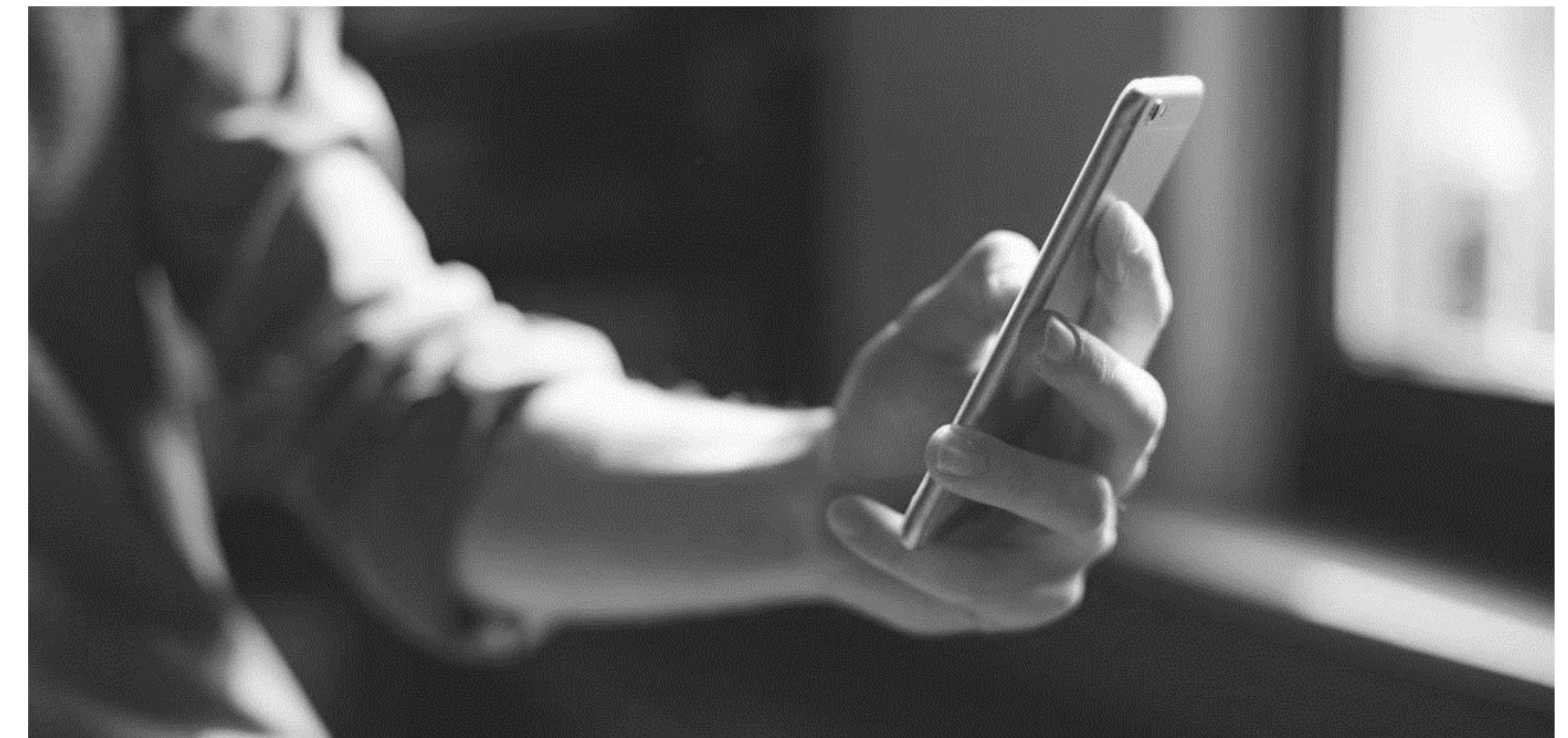


# Brainstorms og mindmaps

## creative benspænd og øvelser

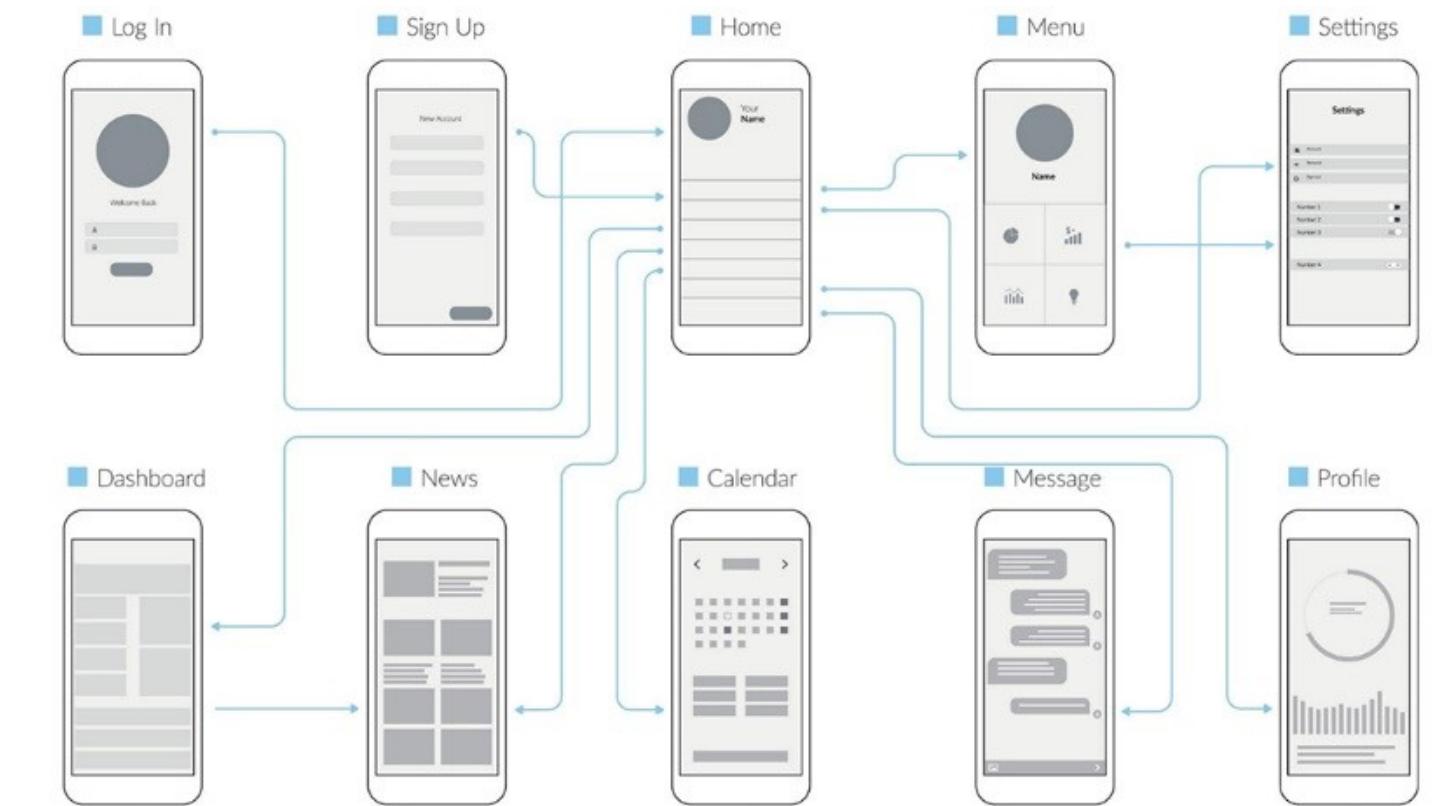
**Brainstorm på en mulig app**

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*

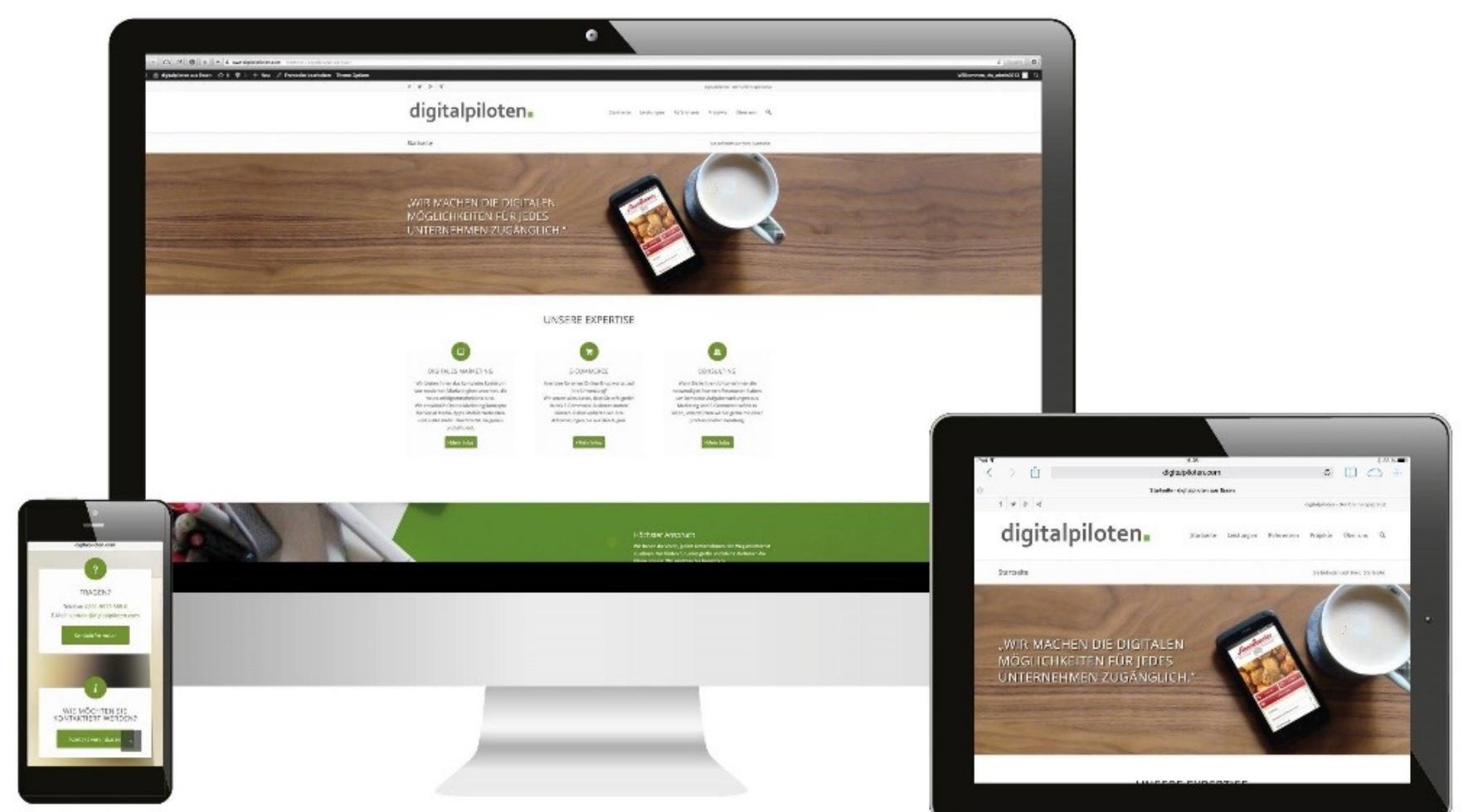


**Brainstorm på stil: farver og billeder**

Hvilke farver signalerer morgen?

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

# SKAB DIN LØSNING



A dark, moody photograph of a person's hands holding a smartphone. The screen of the phone displays a video thumbnail showing a city skyline at night with illuminated buildings. The phone's status bar shows the time as 00:01:01. The background is blurred, suggesting an indoor setting with warm lighting.

ET GLIMT AF MDU  
CASEARBEJDE

# ET GLIMT AF MDU

- Lav en video, der fortæller om hvad I oplever MDU er?
- Grupper af 4 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
- Deadline: torsdag kl. 13.20

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

# ET GLIMT AF MDU

## GRUPPER

### GRUPPE 1

Amalie Danielsen  
Esther Magnussen  
Ida Emilie Vind  
Julie Gaardsvig Fasterholdt  
Torben Tiedemann

### GRUPPE 2

Cirkeline Gottlieb  
Jannik Christensen  
Lea (Thy-Mors)  
Liva Christensen  
Robin Rigmor Kjems

### GRUPPE 3

Emma Aagaard  
Liv maltesen  
Mette Dahl  
Mille Toftegaard  
Simone Kumar Therkelsen

### GRUPPE 4

Astrid Vejen  
Cajsa  
Josefine Føns Bjørn Dall  
Rahma Haider  
Xenia Høgg Andersen

### GRUPPE 5

Alberte Margrethe Schou  
Heidi Sejr Astrup  
Johanne Sindal Munkholm  
Lea Møller Lauritzen  
Sarah Marek

### GRUPPE 6

Amalie Kamp  
Asta Coles Aakjær  
Frida Hovgaard  
Jakob Sørensen  
Sena Civic



FRIVILLIG  
AKTIVITET  
ONSDAG

14.30: Rundtur i Aarhus C

Afslutning på Aarhus  
Streetfood hvor  
Erhvervsakademiet giver mad

Mødested: udenfor  
indgangen Sønderhøj 30

- Designunderviser Marlene
- Opsamling på  
“programming”
- Casearbejde
- Frokost
- Besøg af studerende
- Casearbejde
- Fremvisning af produkter  
og afrunding





DRØMME STARTER MED UDDANNELSE

ERHVERVSAKADEMI AARHUS  
BUSINESS ACADEMY AARHUS

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

MARLENE AHLGREEN  
JENSEN  
DESIGNUNDERVISER



ET GLIMT AF MDU  
CASEARBEJDE



BESØG AF  
STUDERENDE  
SOFIE VINTHON KIDMOSE

# PORTFOLIO

<https://mariussart.com/>

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

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

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

A dark, moody photograph of a person's hands holding a smartphone horizontally. The screen of the phone displays a video thumbnail showing a city skyline at night with illuminated buildings. The phone's status bar shows the time as 00:01:01. The background is blurred, suggesting an indoor setting with warm lighting.

# ET GLIMT AF MDU

CASEARBEJDE & FREMVISNING AF PRODUKTER

# STUDIEVEJLEDNING

## *Dorte Hedevang*

**Stilling**

studie- og karrierevejleder

**Afdeling**

Studieservice

**Adresse**

Sønderhøj 30, 8260 Viby J

**Mail**

[dohe@eaaa.dk](mailto:dohe@eaaa.dk)

**Telefon**

[7228 6024](tel:72286024)



Spørgsmål vedrørende  
ansøgning om optagelse,  
adgangskrav osv?

Optagelse på Erhvervsakademi x +

← → C 🔒 eaaa.dk/videregaende-uddannelser/ansog-om-optagelse/ ⌂ Incognito ⌂

ERHVERVSAKADEMI AARHUS DA / INT Q

Menu

← Videregående uddannelser / Ansøg om optagelse

# Søg om optagelse på Erhvervsakademi Århus' videregående uddannelser

Her finder du svar på dine spørgsmål om optagelse. Du kan se, hvordan du søger ind på vores videregående uddannelser.

Brug menuen - eller find de mest stillede spørgsmål her og nu herunder.



**Søg ind nu. Vælg ansøgningsskema her**

Søg ind på en erhvervsakademiuddannelse eller 3½-årig professionsbacheloruddannelse: [Udfyld ansøgningsskema her på eaaa.dk](#)

Søg ind på en 1½-årig professionsbacheloruddannelse: [Udfyld ansøgningsskema her på eaaa.dk](#)



**Se hvilken ansøgningsfrist, du skal overholde**

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



Menu



## Ansøg om optagelse

Her finder du informationer om, hvordan du søger ind på multimediedesigneruddannelsen på Erhvervsakademi Aarhus.

### Adgangskrav

**Adgang via gymnasial eksamen (kvote 1 eller kvote 2)**

**Adgang via relevant erhvervsuddannelse (kvote 2)**

**Adgang via 3-årig erhvervsuddannelse (kvote 2)**

**Anden adgang (kvote 2)**

### Sådan søger du

Du søger ind på uddannelsen via [optagelse.dk](#). Du kan søge fra 1. februar. Der er studiestart i august.

Hvis du vil starte på uddannelsen i januar, foregår ansøgningen digitalt via [ansøgningsskemaet her på hjemmesiden](#). Du kan søge fra 15. september.

**Ansøgningsfrister - studiestart i august**

**Ansøgningsfrister - studiestart i februar**

**Hvornår er der studiestart?**

**Multimediedesigner**

**Om uddannelsen**

**[Ansøg om optagelse](#)**

**Praktik**

**Karriere**

**Studieliv**

**Studietilfredshed**

**Kontakt**

# SPØRGSMÅL & FEEDBACK

[eaaa.padlet.org/race/studiepraktik](https://eaaa.padlet.org/race/studiepraktik)



eaaa.dk

[https://www.eaaa.dk/videregående-uddannelser/  
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<https://www.baaa.dk/programmes/multimedia-design/>

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