

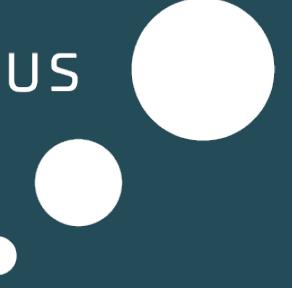
ERHVERVSAKADEMI AARHUS
BUSINESS ACADEMY AARHUS

Frontend Developer

Specialiseringslinje - 3. semester

RACE

Senior Lecturer & Web App Developer



The Team



Birgitte Kirk Iversen
bki@eaaa.dk



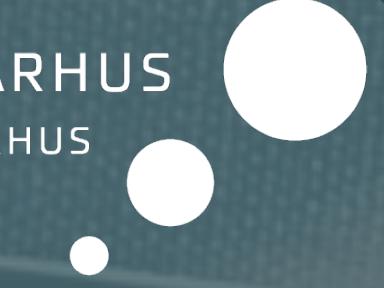
Morten Algy Bonderup
moab@eaaa.dk



Rasmus Cederdorff
race@eaaa.dk



Lykke Dahlén
lyda@eaaa.dk

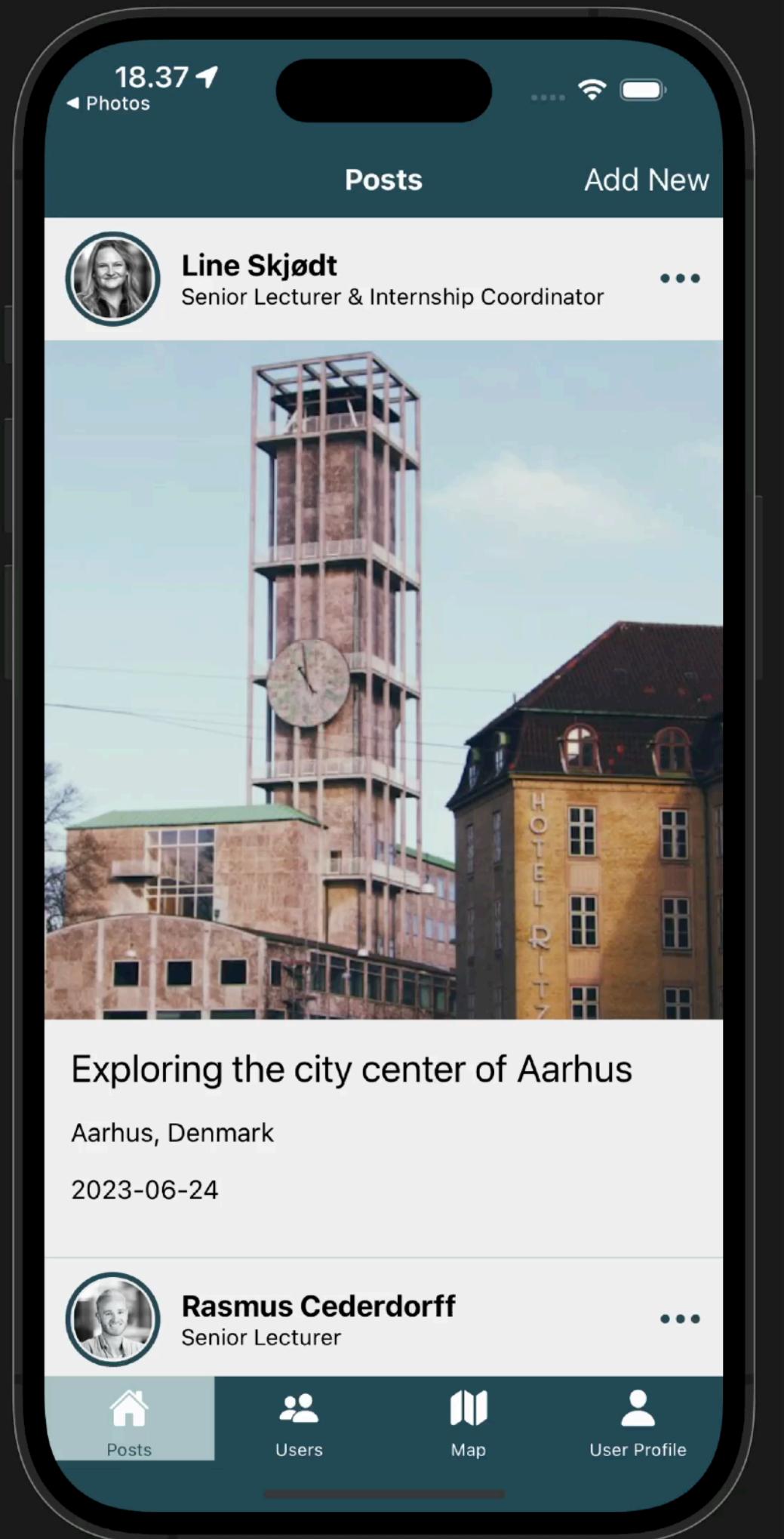


Frontend Developer

- Design og programmering af digitale brugergrænseflader.
- Fokus på produktion af digitale brugergrænseflader med tilhørende indhold.

Frontend Developer

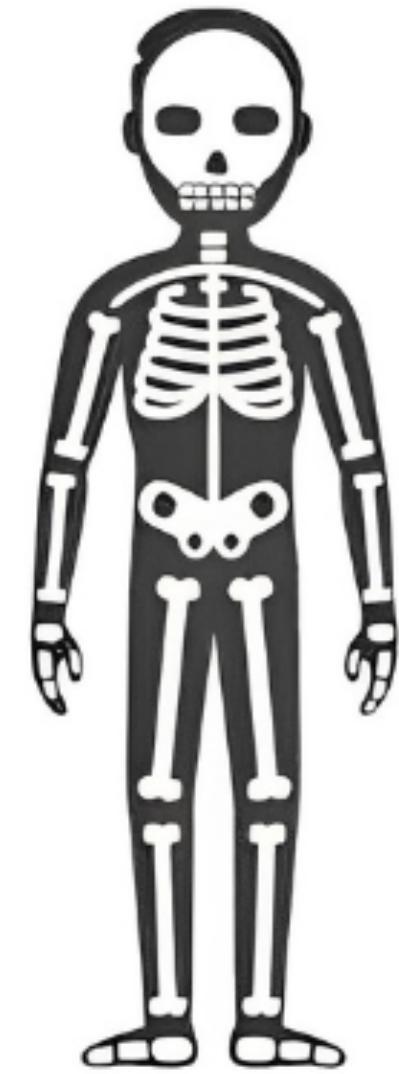
- Design og programmering af websites og web apps.
- Fokus på frontendudvikling og web apps med tilhørende indhold.
- Fra ide til design til programmering til online løsning.



HTML



HTML the Skeleton



CSS



CSS the Skin

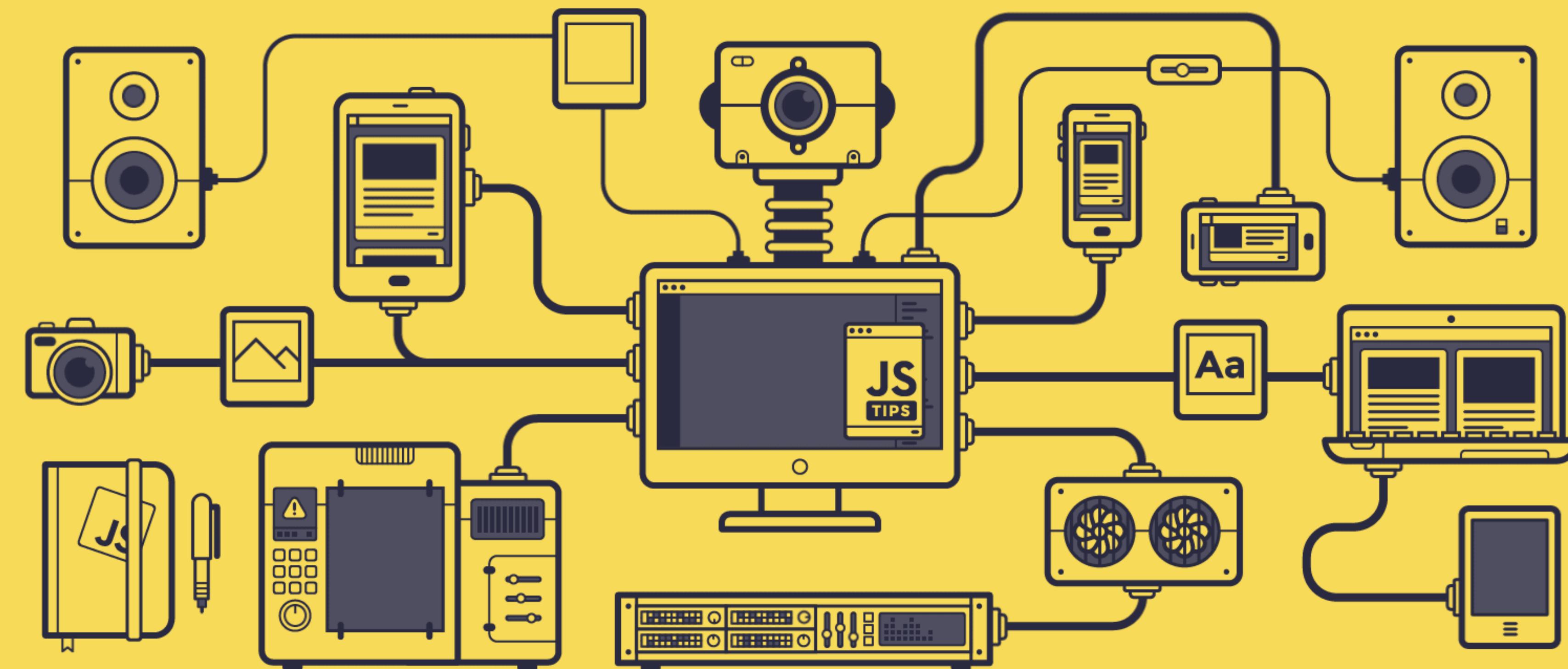


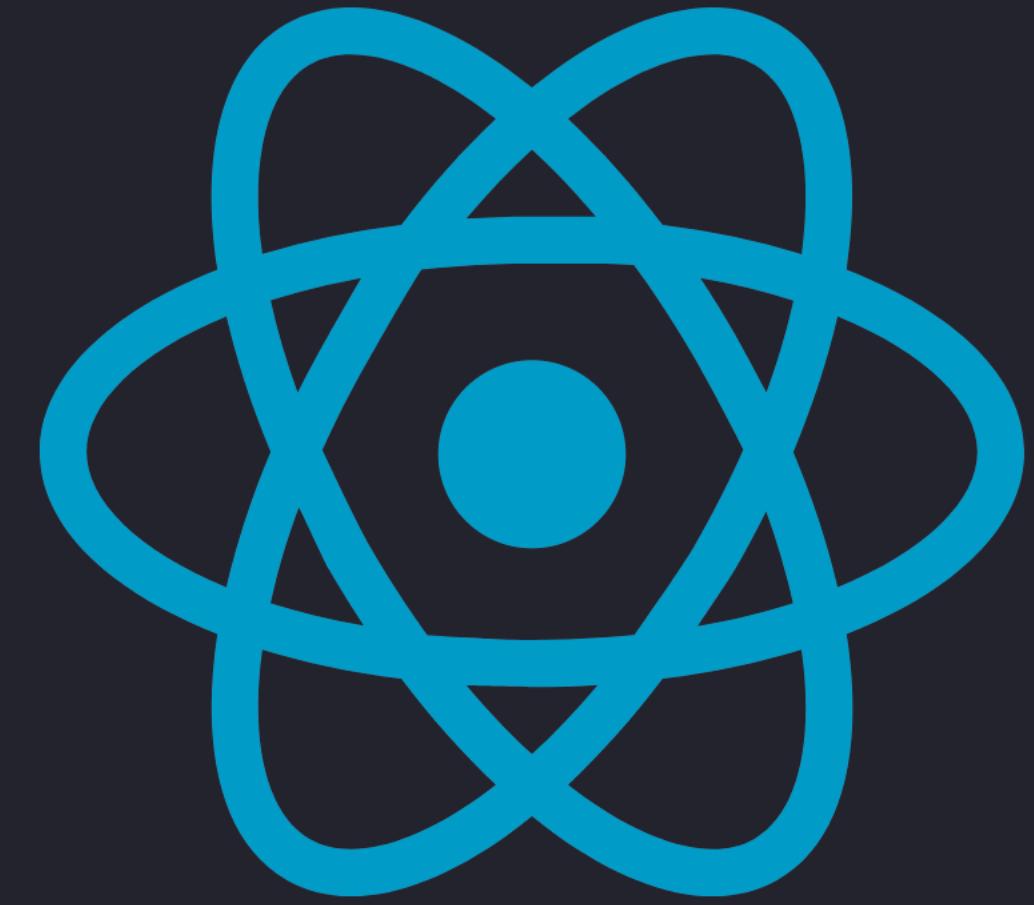
JS



Javascript the Brain







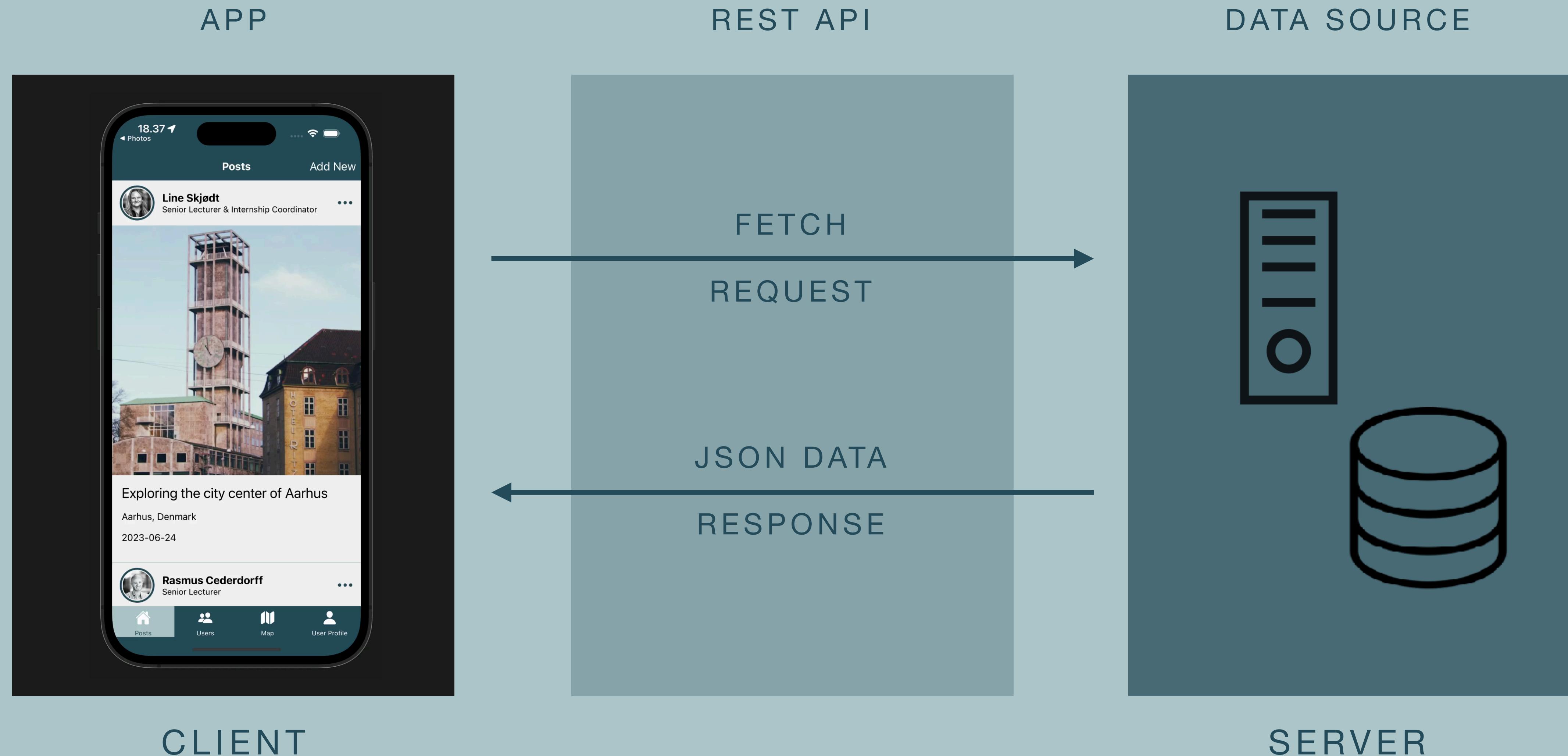
React

A JavaScript library for building User Interfaces

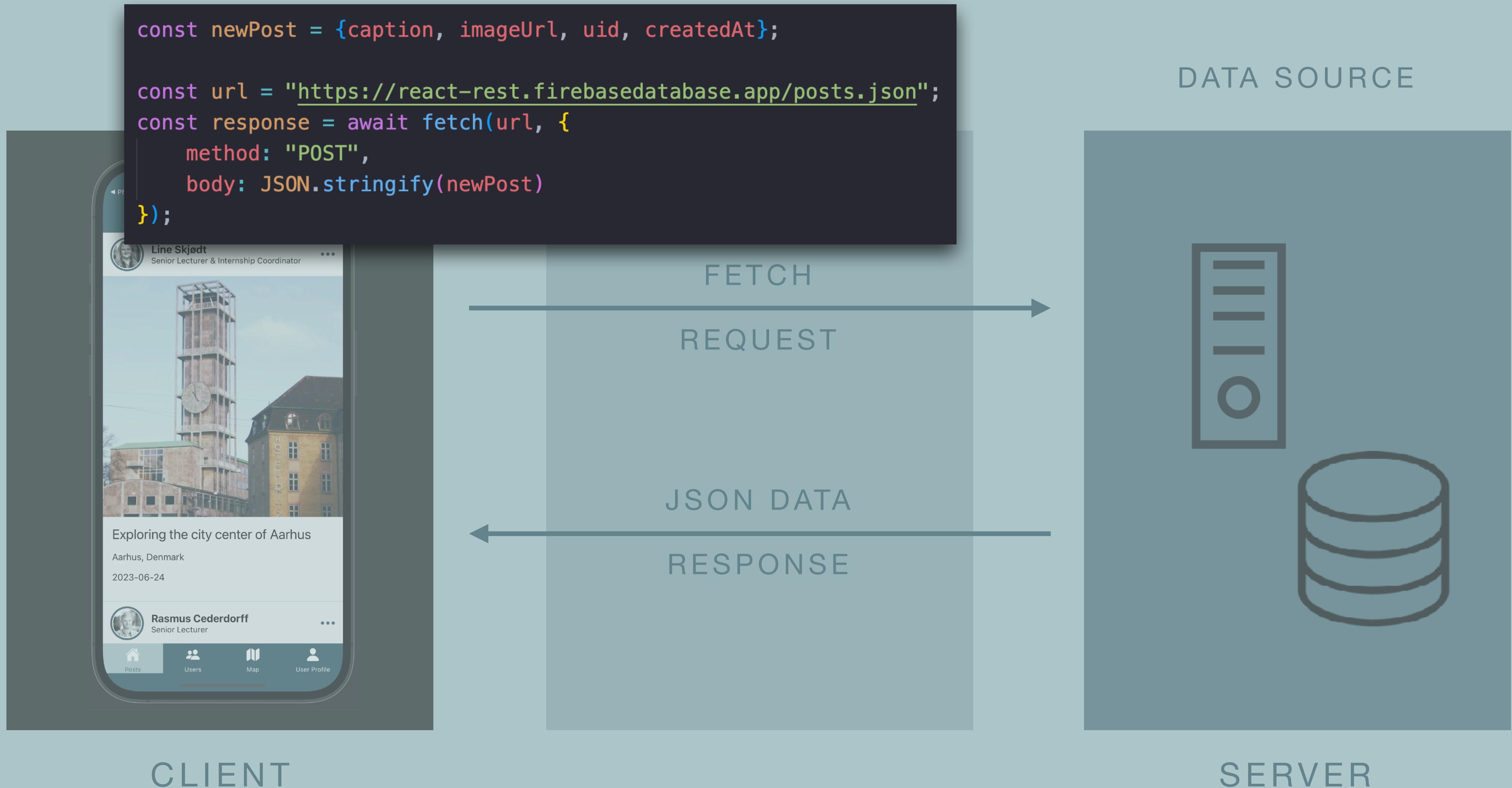
JAVASCRIPT ALL THE THINGS!!1!



Webudvikling



Webudvikling



Network Tab

The screenshot illustrates the Network tab of a browser's developer tools, overlaid on a live website. The website's content includes a header for 'ERHVERVSAKADEMI AARHUS', a main image of two people working, and three cards at the bottom: 'Uddannelser til erhvervslivet', 'Videregående uddannelser', 'Efteruddannelse og kurser', and 'Samarbejde og s...

Name	Method	Status	Type	Initiator	Size	T..	Waterfall
1.gif?dgi=70fb8fd...	GET	200	gif	uc.js?cbid...	(me... 0...		
heatmaps.js	GET	200	script	monsido-s...	(disk... 2...		
page-correct.js	GET	200	script	monsido-s...	(disk... 2...		
?a=h0r3JOS3pvXaDa...	GET	200	gif	monsido-s...	57 B 1...		
favicon.ico	GET	200	x-icon	Other	(disk... 1...		
h0r3JOS3pvXaDabSjt...	GET	200	xhr	heatmaps....	(disk... 0...		
h0r3JOS3pvXaDabSjt...	GET	200	xhr	page-corr...	(disk... 0...		
cast_sender.js?loadC...	GET	200	script	vendor.mo...	(disk... 0...		
1765804027-75aafef...	GET	200	avif	Other	(disk... 0...		
master.json?base64_i...	GET	200	xhr	vendor.mo...	3.0 kB 1...		
1765804027-75aafef...	GET	200	avif	vendor.mo...	(me... 0...		
cast_framework.js	GET	200	script	cast_send...	14 B 1...		
cast_sender.js	GET	200	script	cast_send...	(disk... 1...		
settings.json	GET	200	xhr	uc.js?cbid...	(disk... 0...		
widgetIcon.min.js	GET	200	script	uc.js?cbid...	(disk... 0...		
2b51a972.mp4?r=dX...	GET	200	xhr	vendor.mo...	5.4 kB 2...		
d509129e.mp4?r=dX...	GET	200	xhr	vendor.mo...	264 kB 3...		
cf6acf66.mp4?r=dXM...	GET	200	xhr	vendor.mo...	4.3 ... 2...		
2b51a972.mp4?r=dX...	GET	200	xhr	vendor.mo...	5.4 kB 1...		
2b51a972.mp4?r=dX...	GET	200	xhr	vendor.mo...	5.1 kB 2...		
cf6acf66.mp4?r=dXM...	GET	200	xhr	vendor.mo...	4.6 ... 2...		
cf6acf66.mp4?r=dXM...	GET	200	xhr	vendor.mo...	3.5 ... 3...		
collect?v=2&tid=G-D...	POST	204	ping	js?id=G-D...	17 B 6...		

91 requests | 12.8 MB transferred | 16.2 MB resources | Finish: 5.47 s | DOMContentLoaded: 290 ms

The screenshot shows a mobile browser window with the URL <https://cederdorff.com/city-zip-code/>. The page displays a "Zip Code City App" interface with two input fields: "Zip Code:" and "City:". The developer tools Network tab is open, showing three requests: "city-zip-code/" (GET, 200, document, 531 B), "app.css" (GET, 200, style, 0 B), and "app.js" (GET, 200, script, 0 B). The waterfall chart indicates a total load time of 127 ms.

Name	Method	Status	Type	Initiator	Size	T...	Waterfall
city-zip-code/	GET	200	docu...	Other	531 B	1...	
app.css	GET	200	style...	city-zip-co...	(me...)	0...	
app.js	GET	200	script	city-zip-co...	(me...)	0...	

<https://cederdorff.com/city-zip-code/>

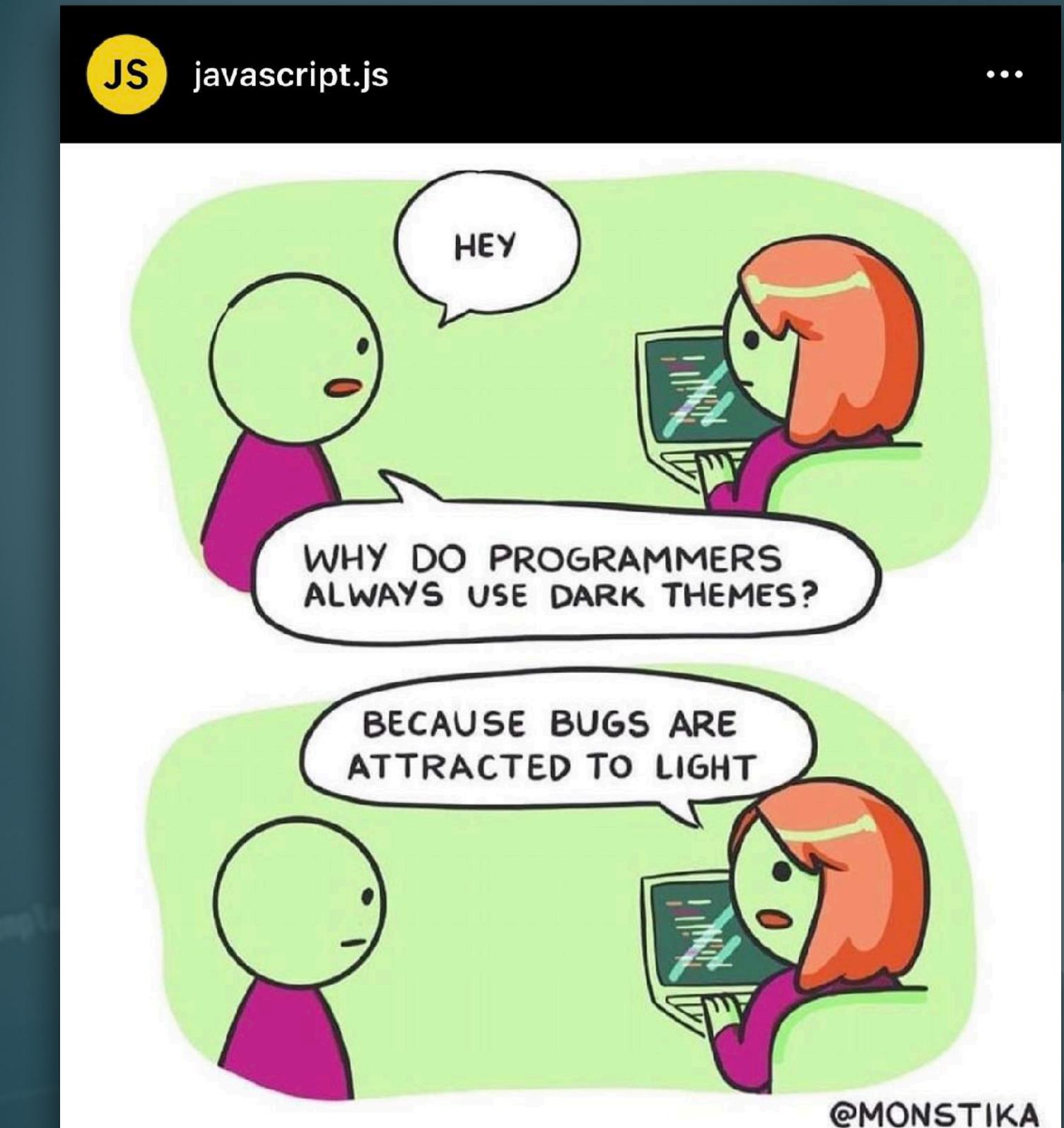
Web Application

- Single Page Application
- JavaScript og React
- API'er og Firebase

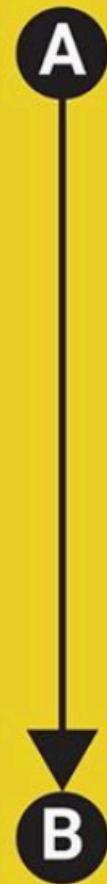


We do not expect you to be (geeky) software developers

- We (still) care about how it looks
- And the User Experience

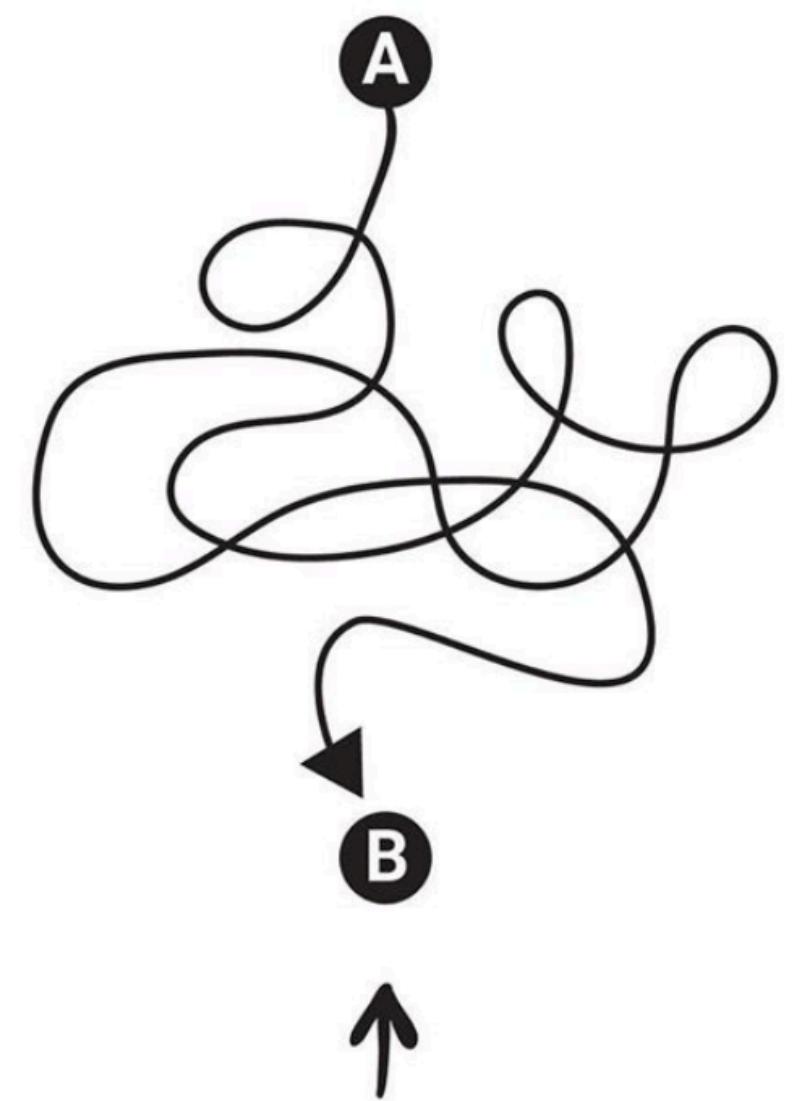


**What you think
users do**

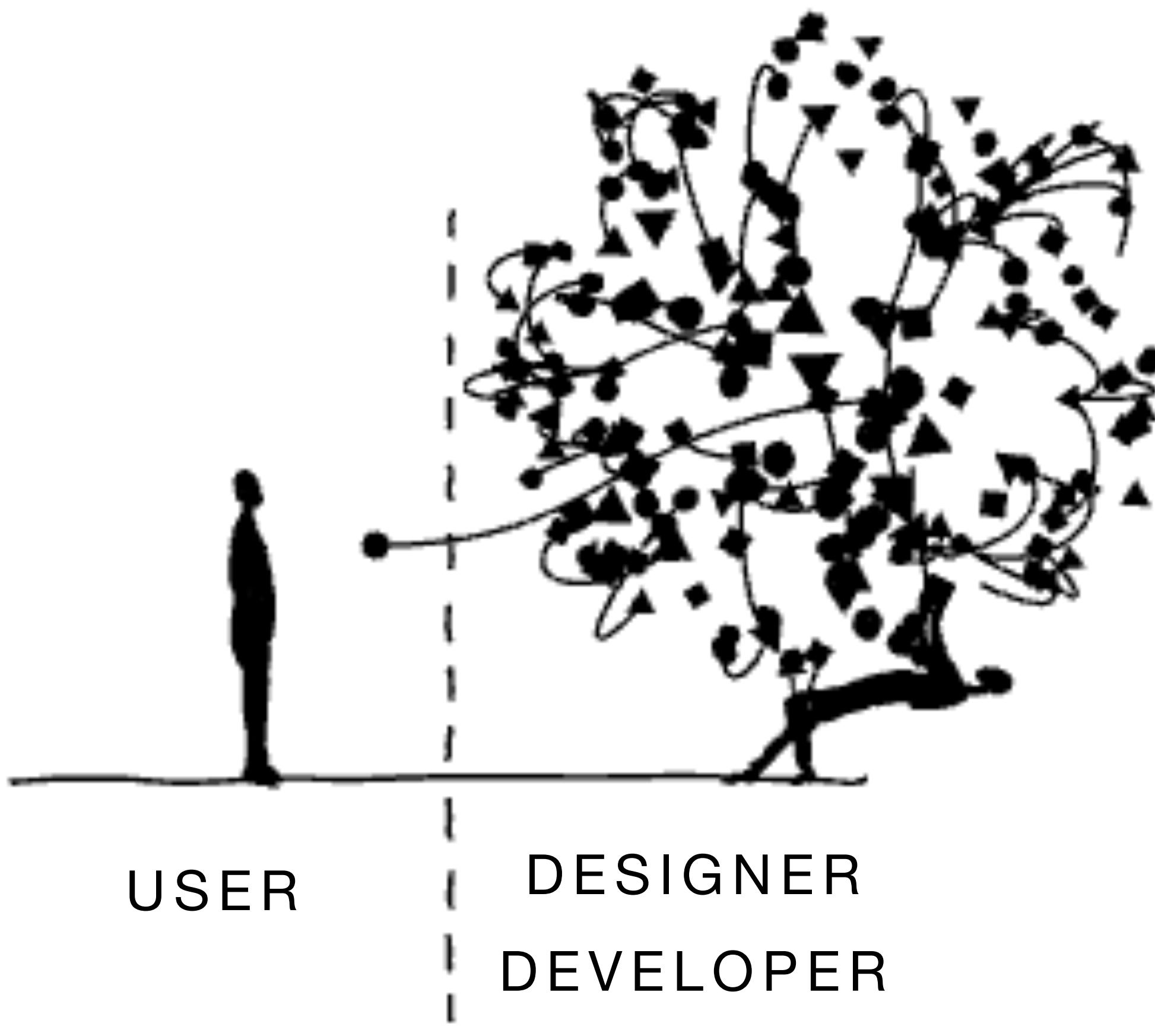
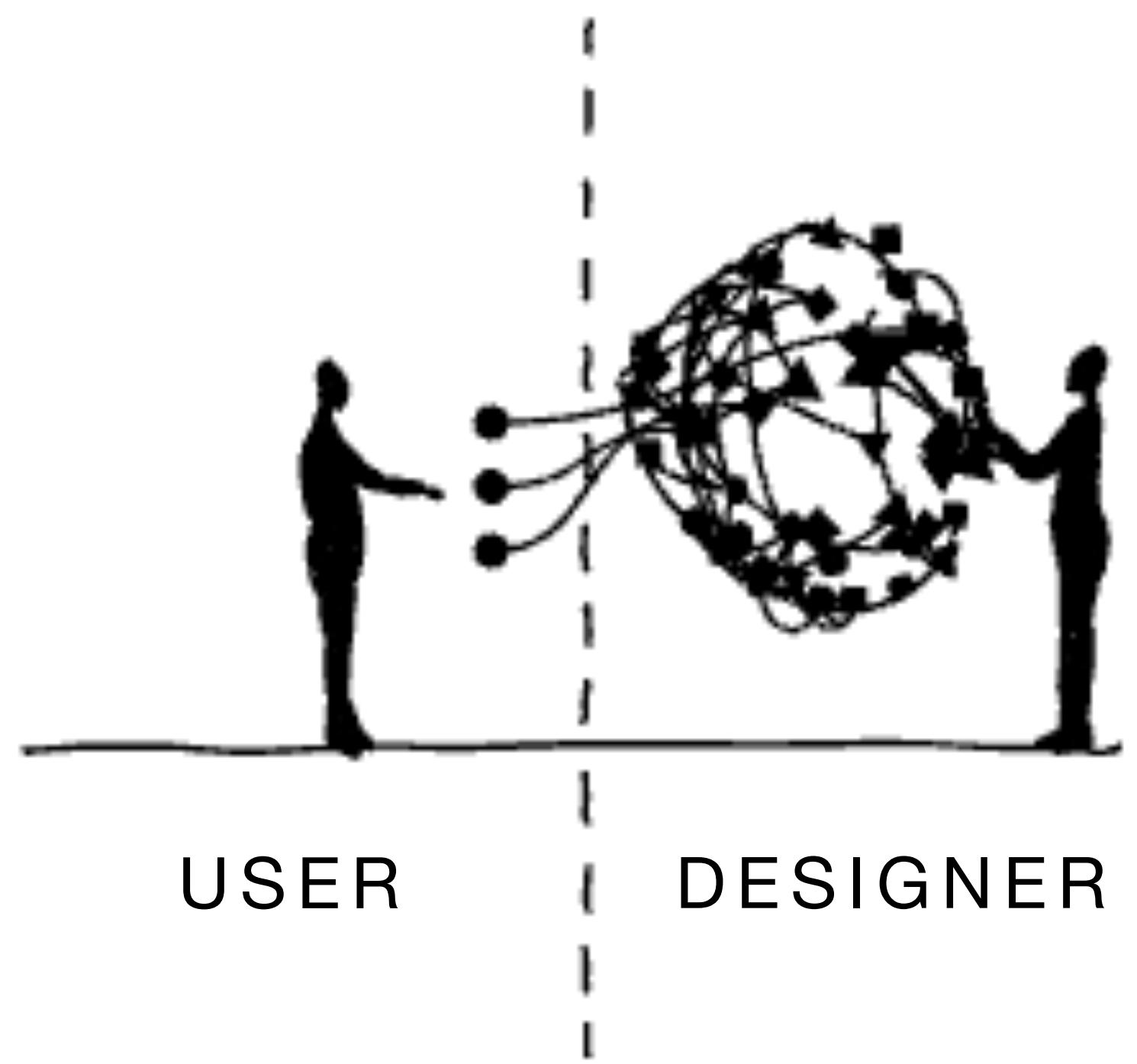


@uxbites

**What users
actually do**

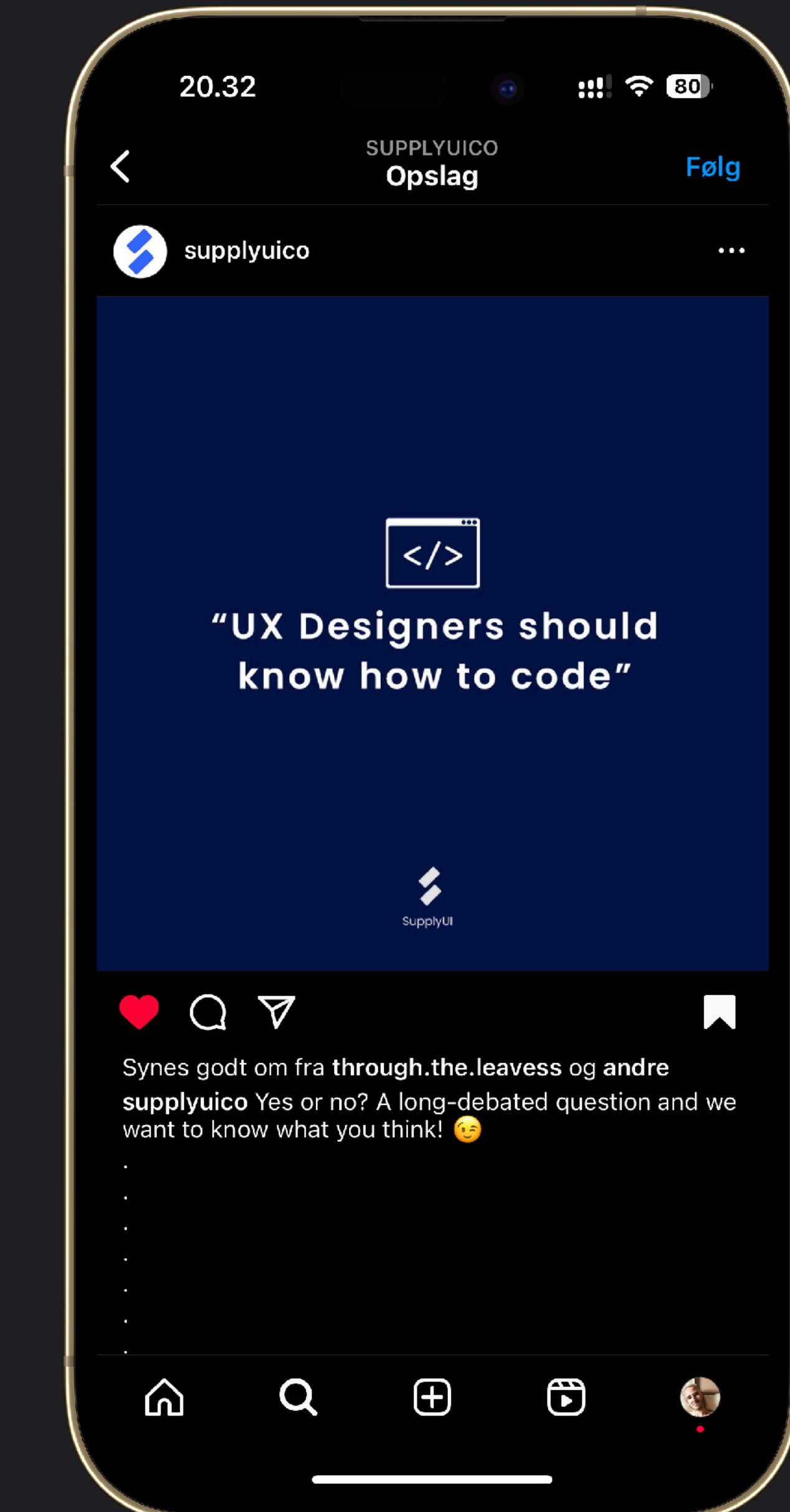


REVEALED BY USER TESTING

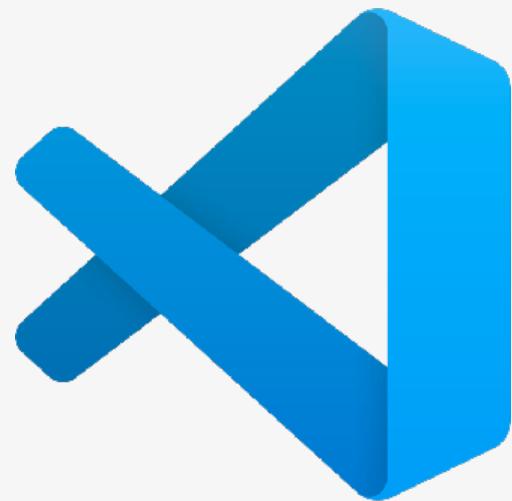
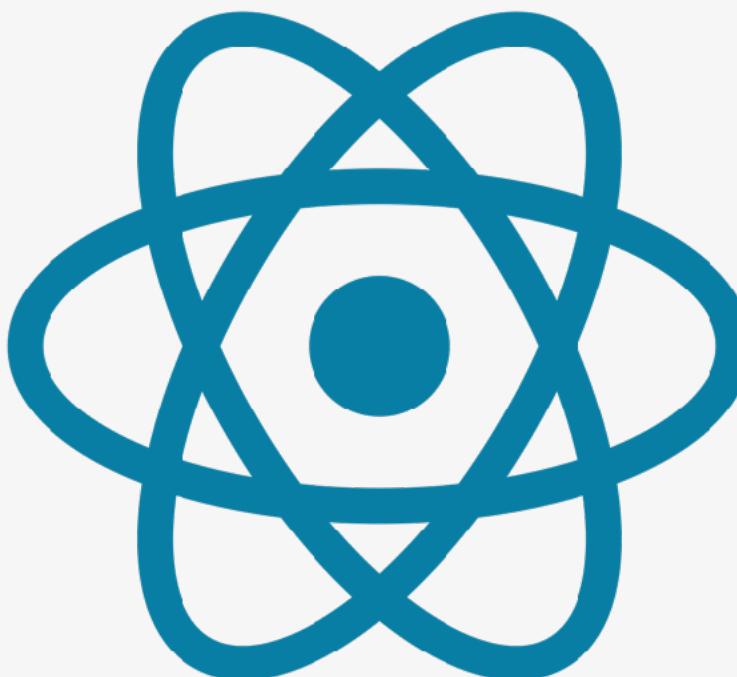
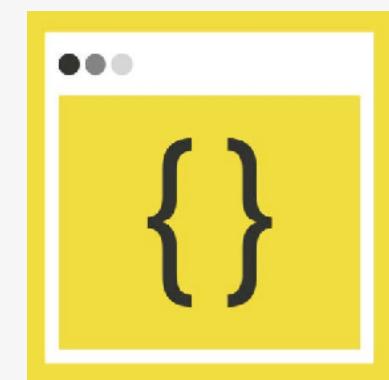


Grundlæggende Programmingsviden

- Programmeringsprincipper og -koncepter, kommunikation mellem systemer, mm.
- Hvordan forstår vi hinanden? Fx UX-designeren og udvikleren?

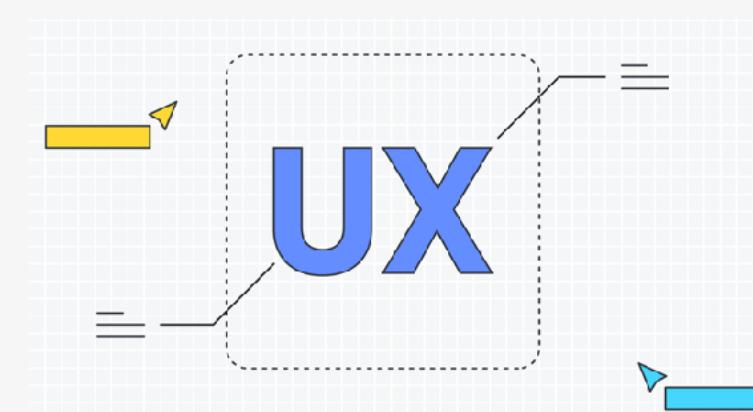
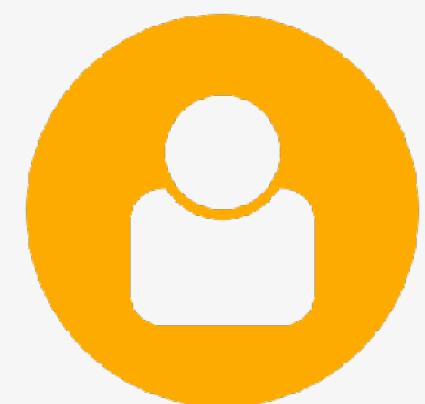


<https://www.instagram.com/p/Bv1aMMrAM4L/>

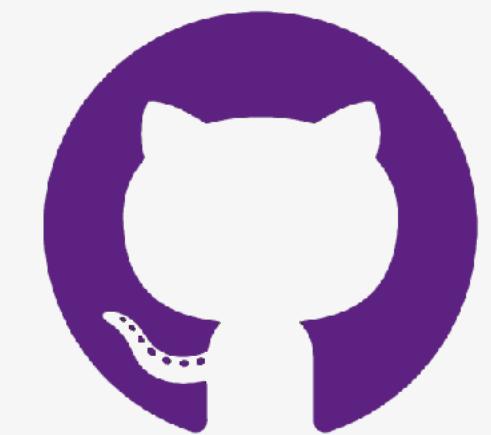


JS

O
R
C
A



npm



Eksamensprojekter

Portfolio (5 ECTS)

EMPLOYABILITY, DESIGN & DEVELOP YOUR PORTFOLIO

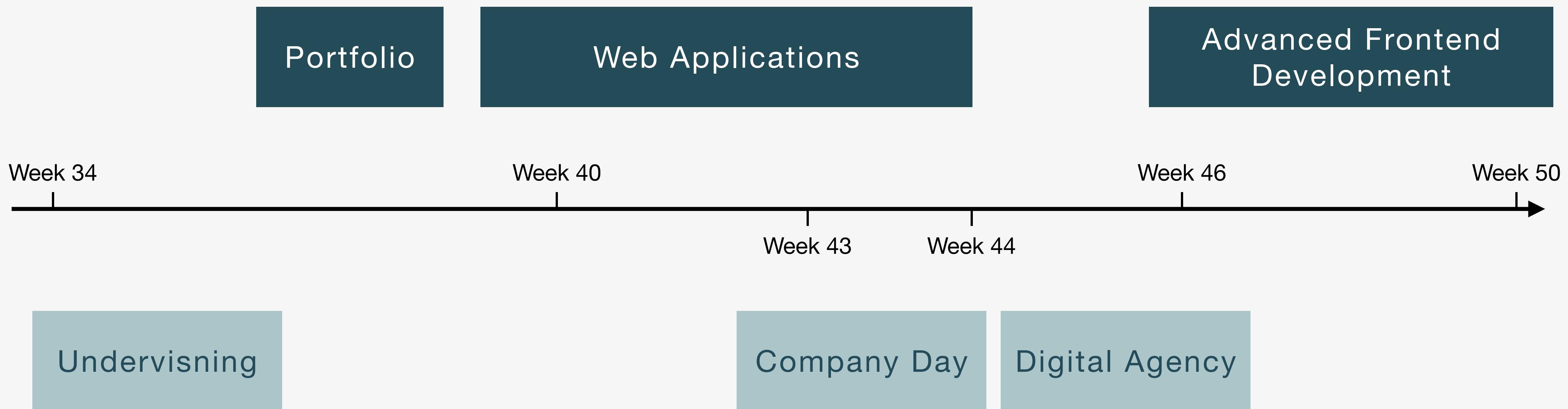
Web Applications (15 ECTS)

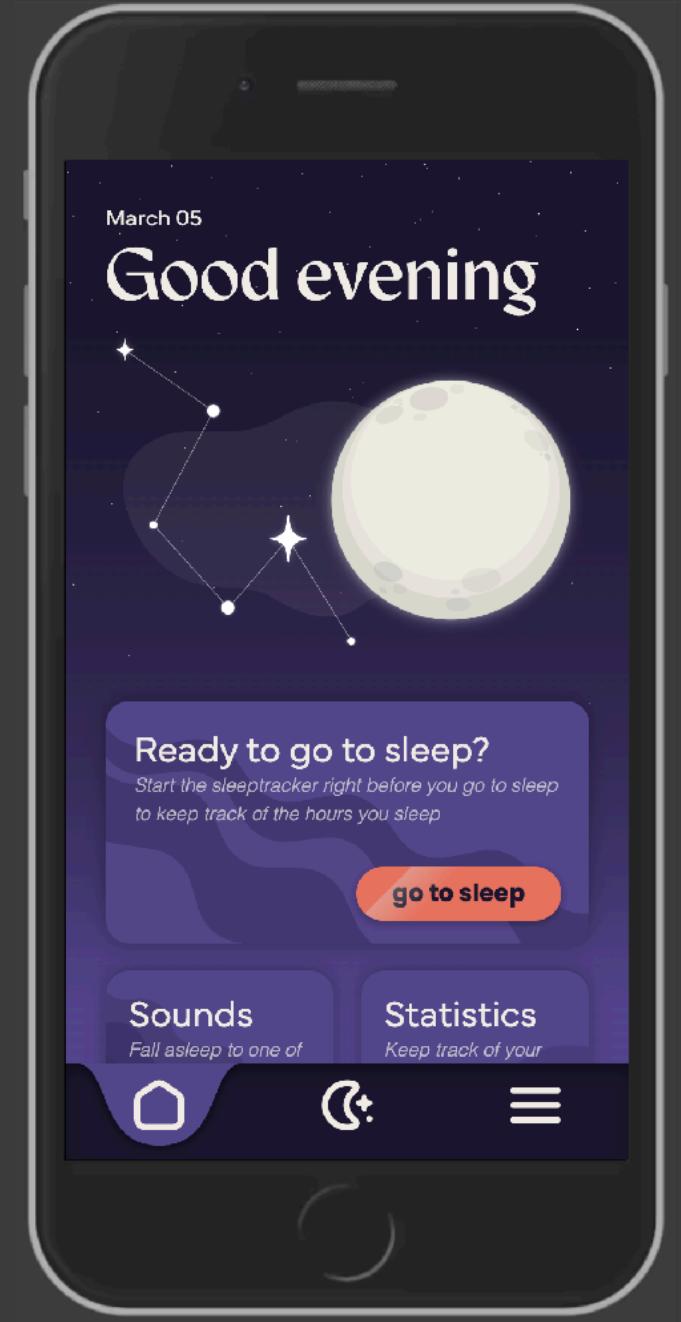
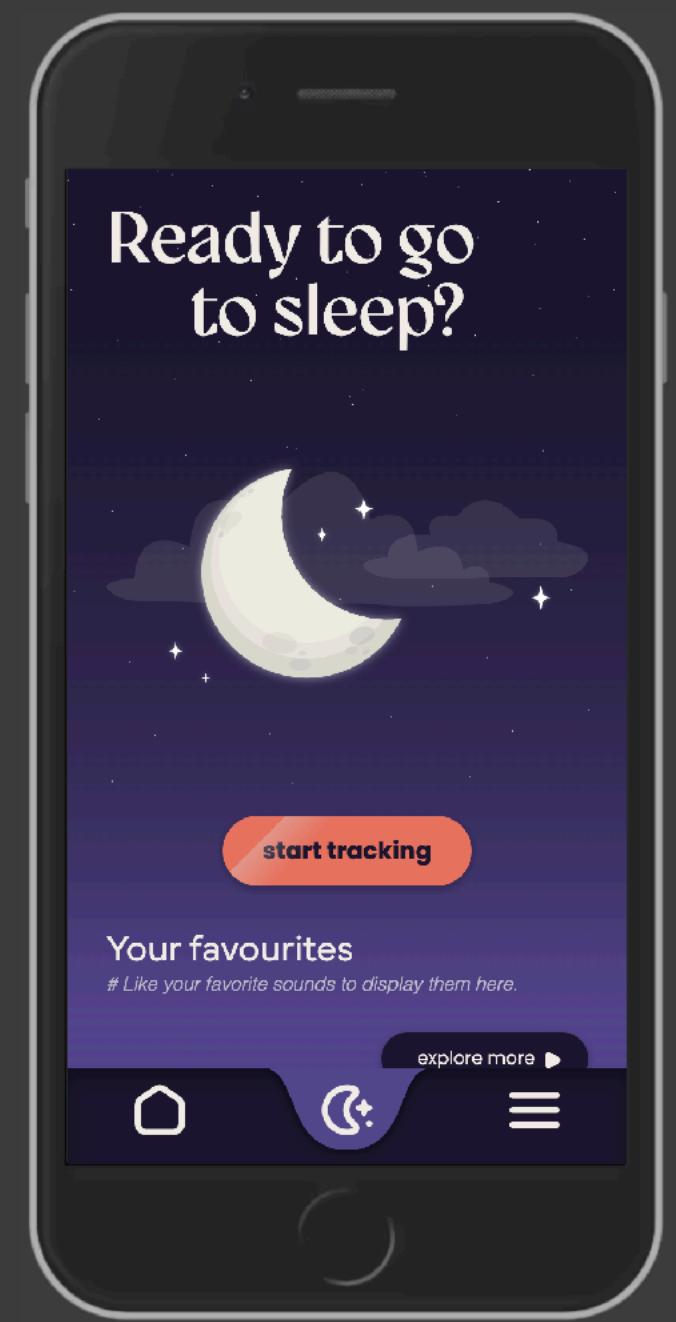
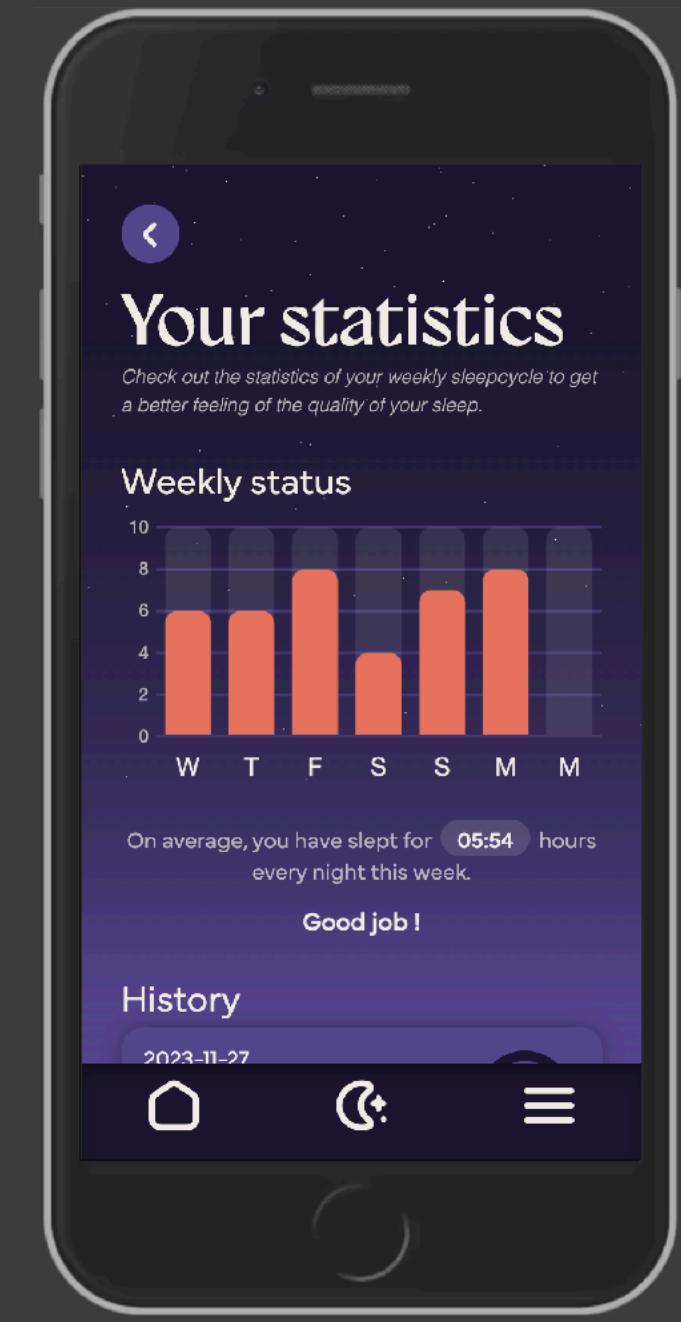
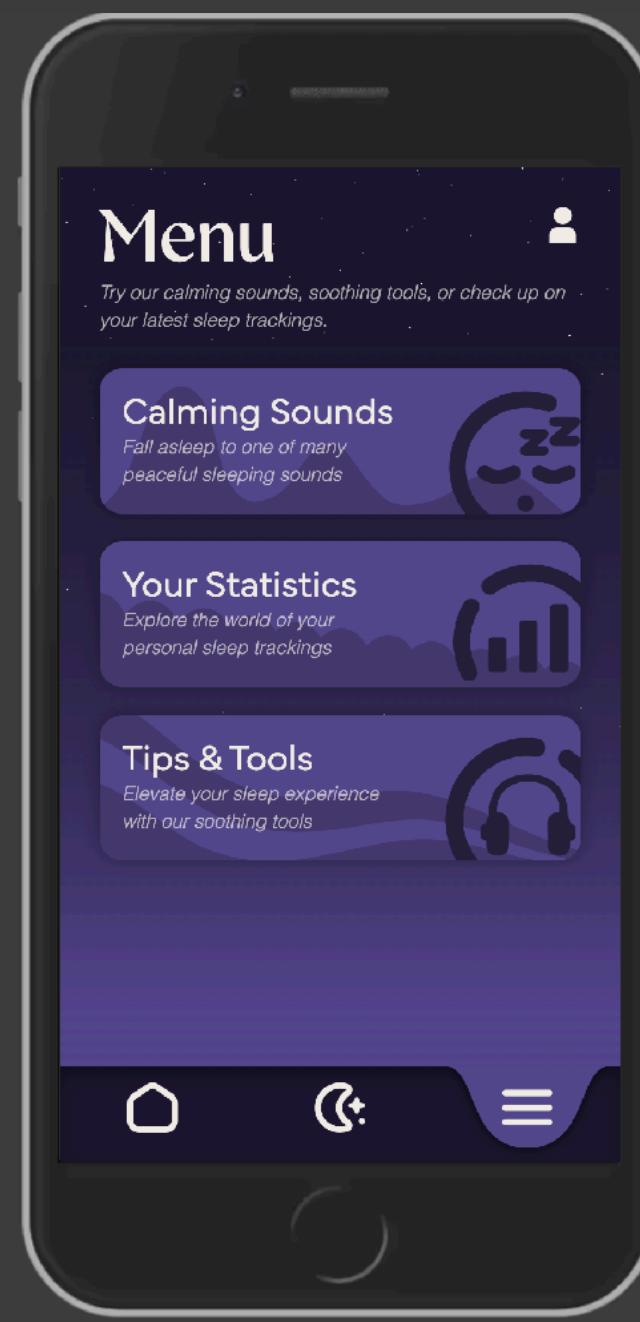
IDEA & CONCEPT CREATION, DESIGN & DEVELOP A WEB APP

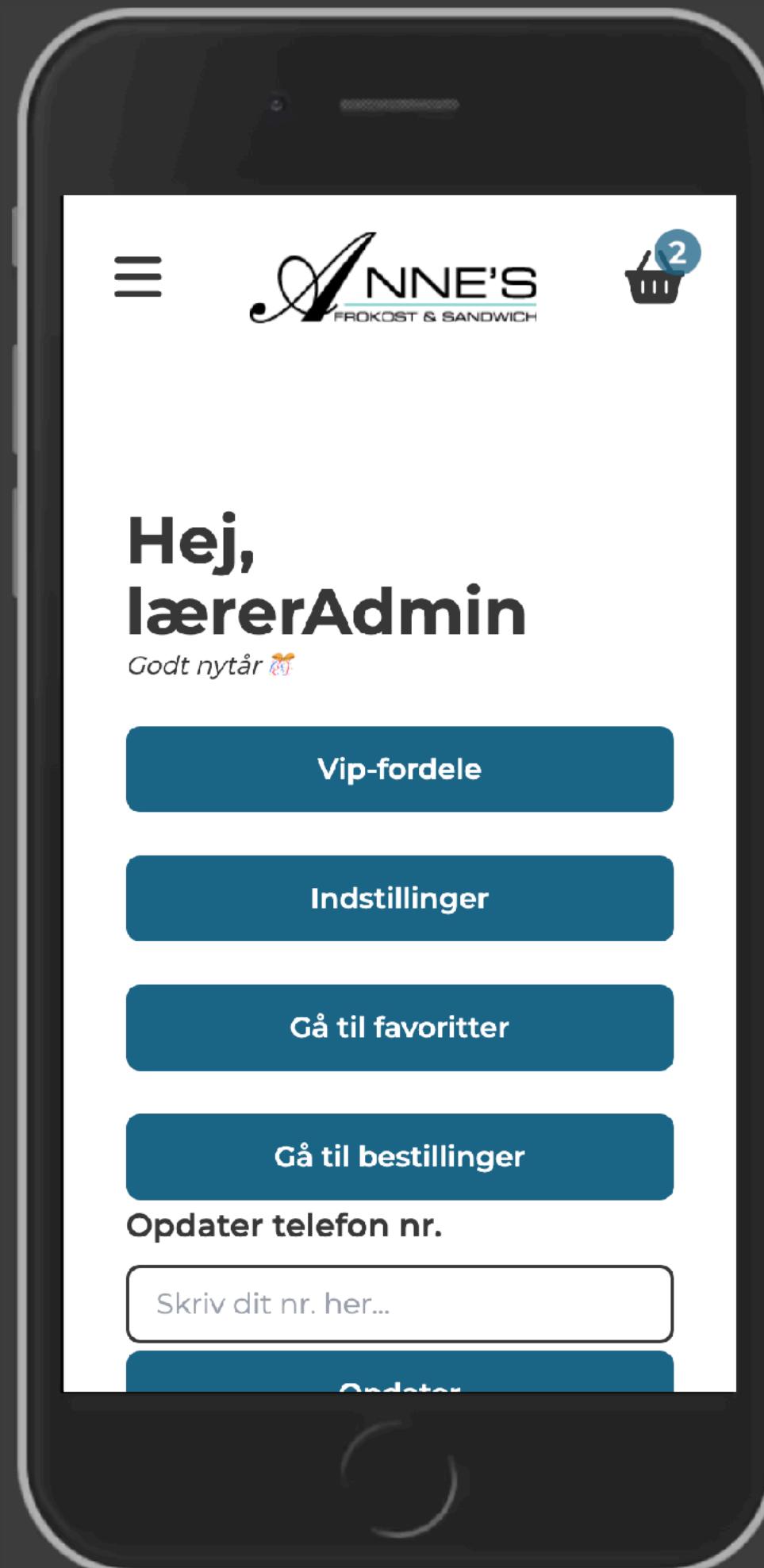
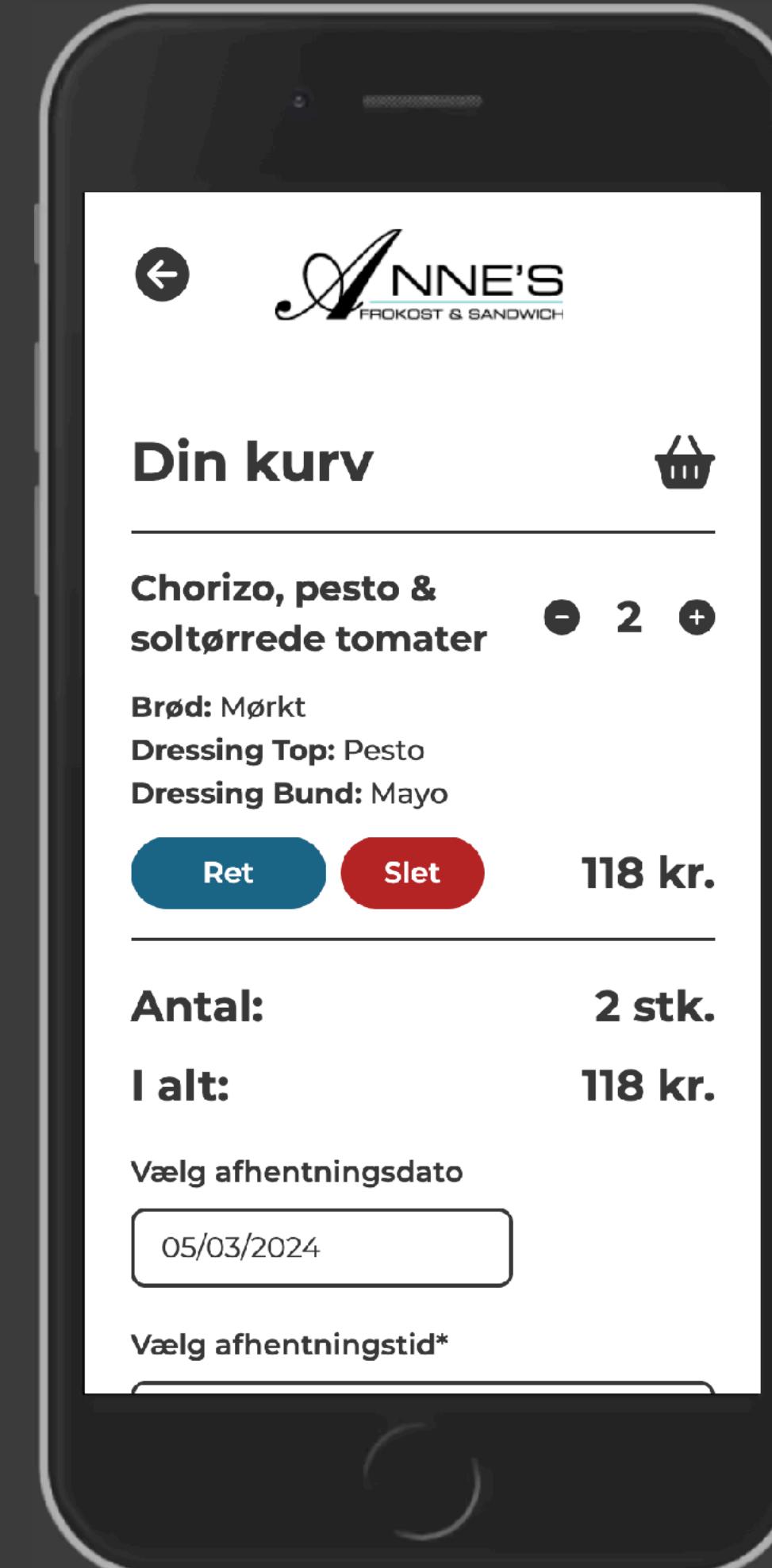
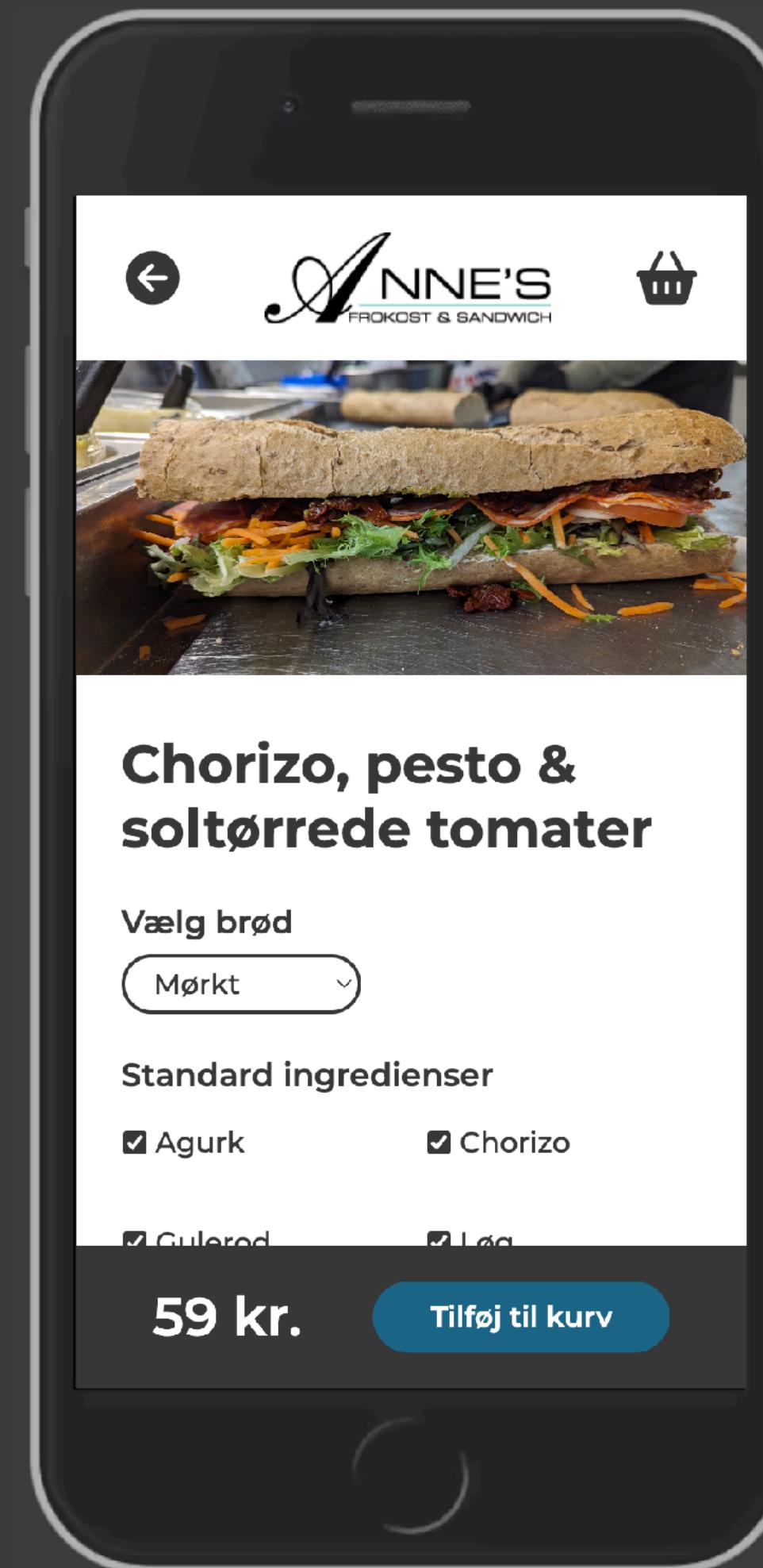
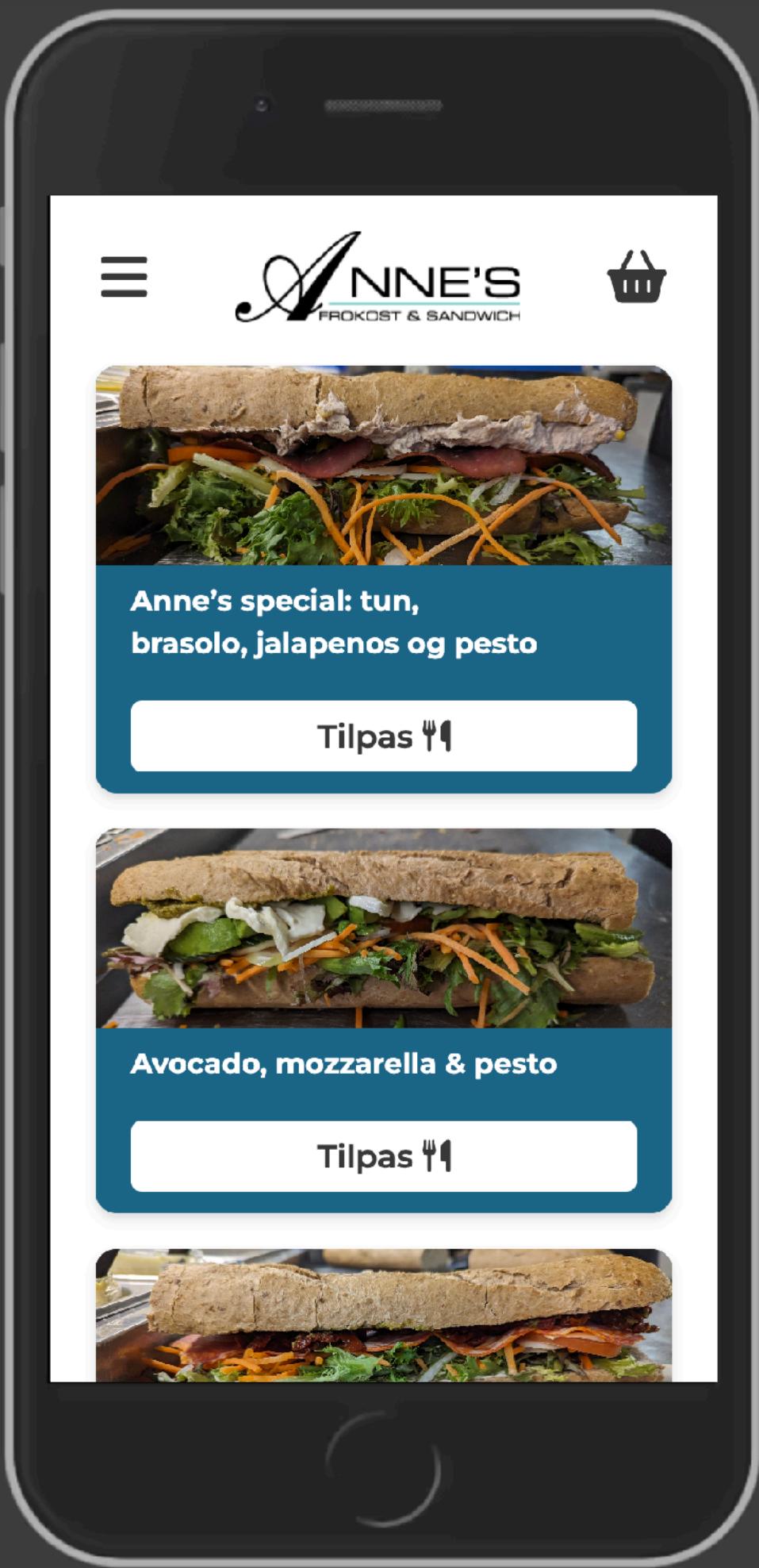
Advanced Frontend Development (10 ECTS)

DEVELOP A PRODUCT FOR A CLIENT

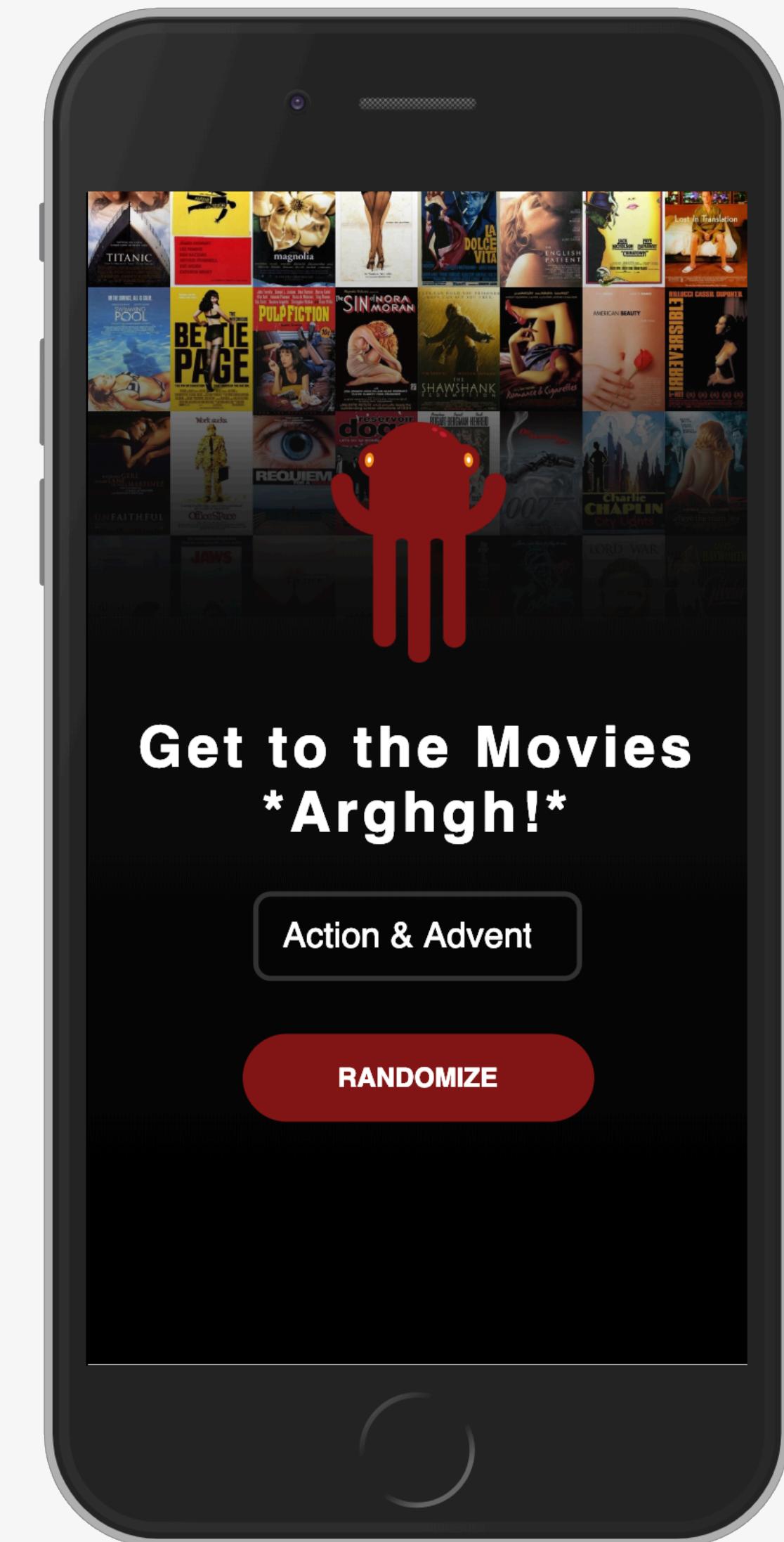
Semesterflow - eksempel

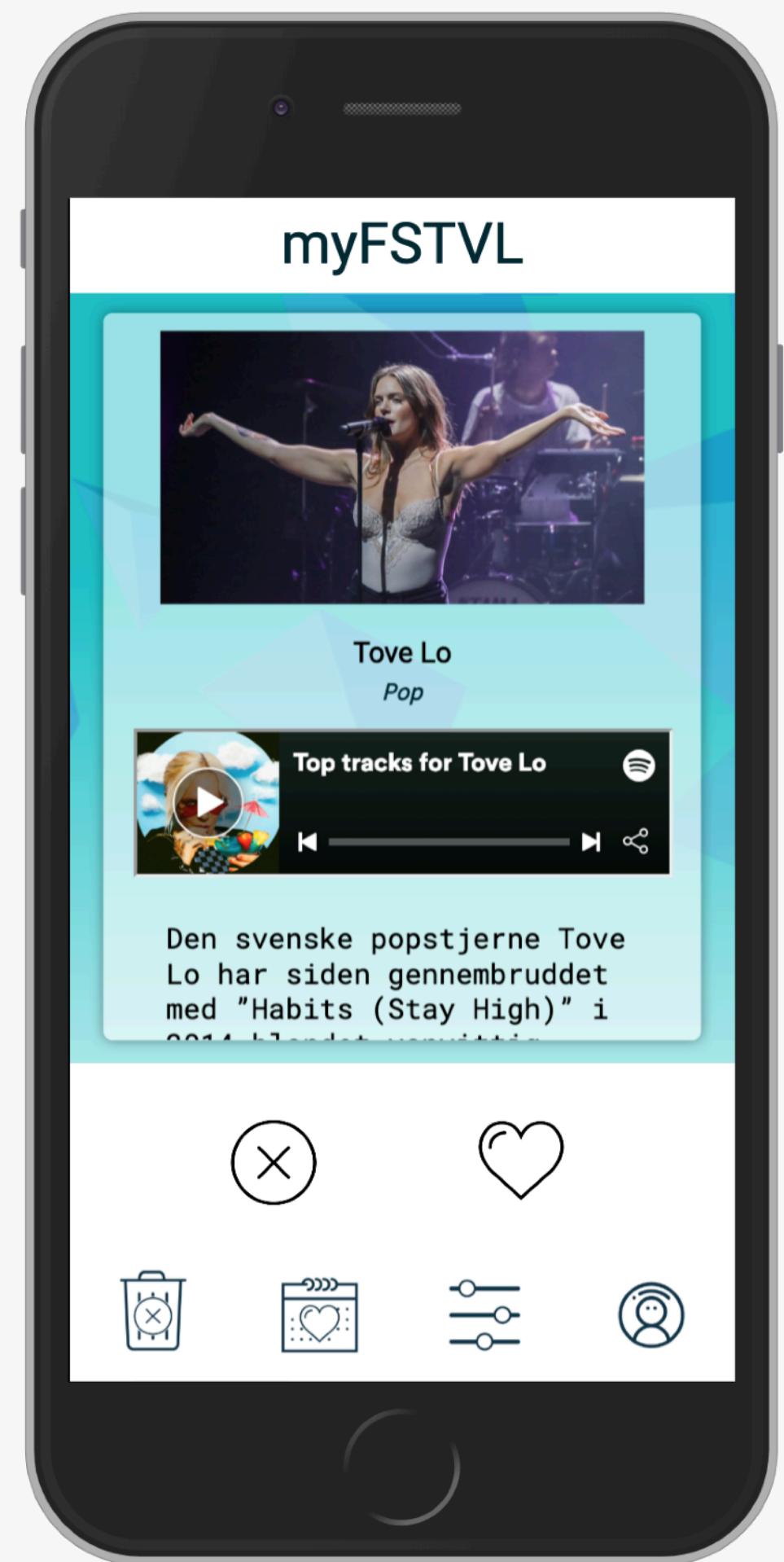
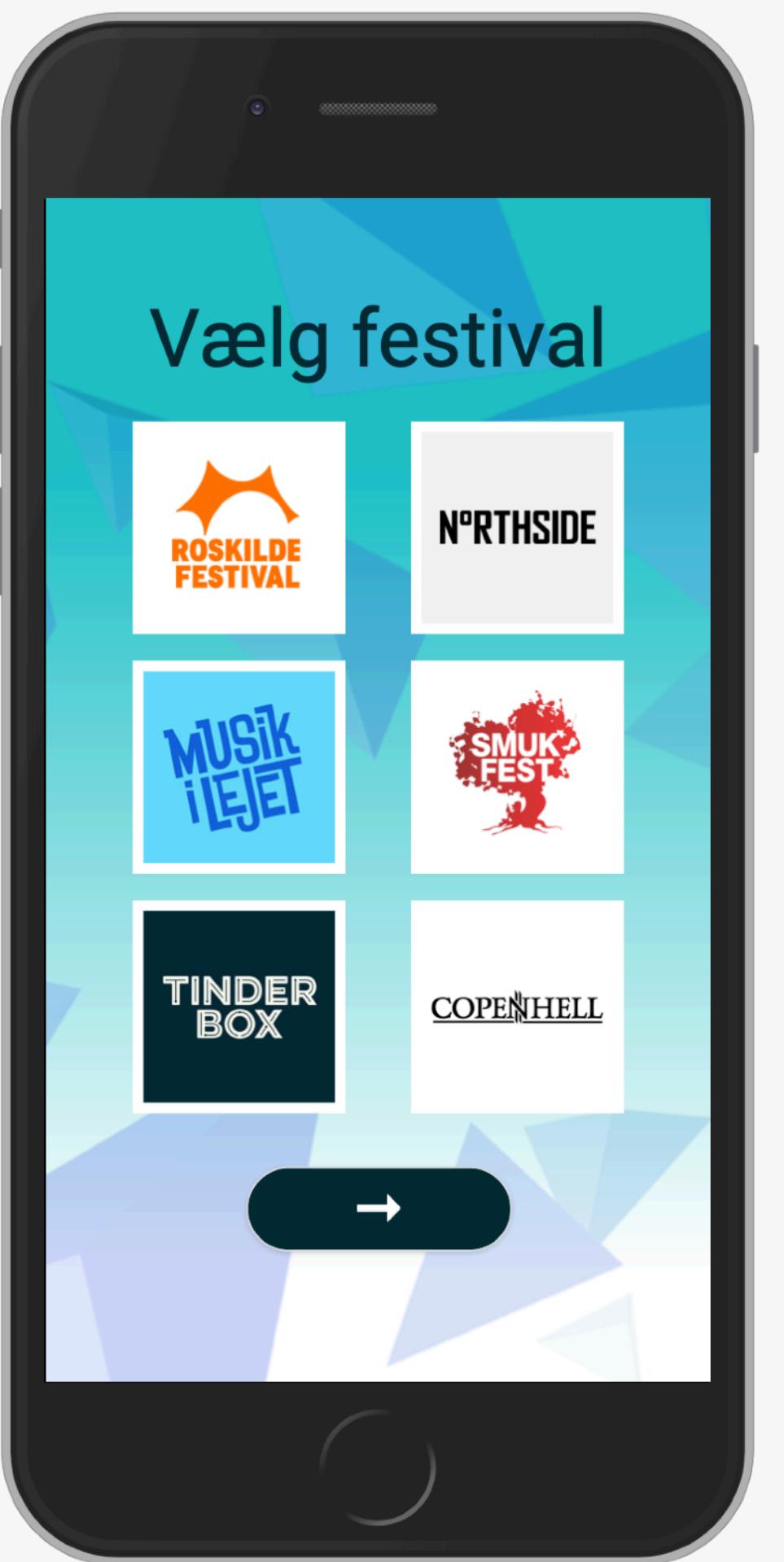
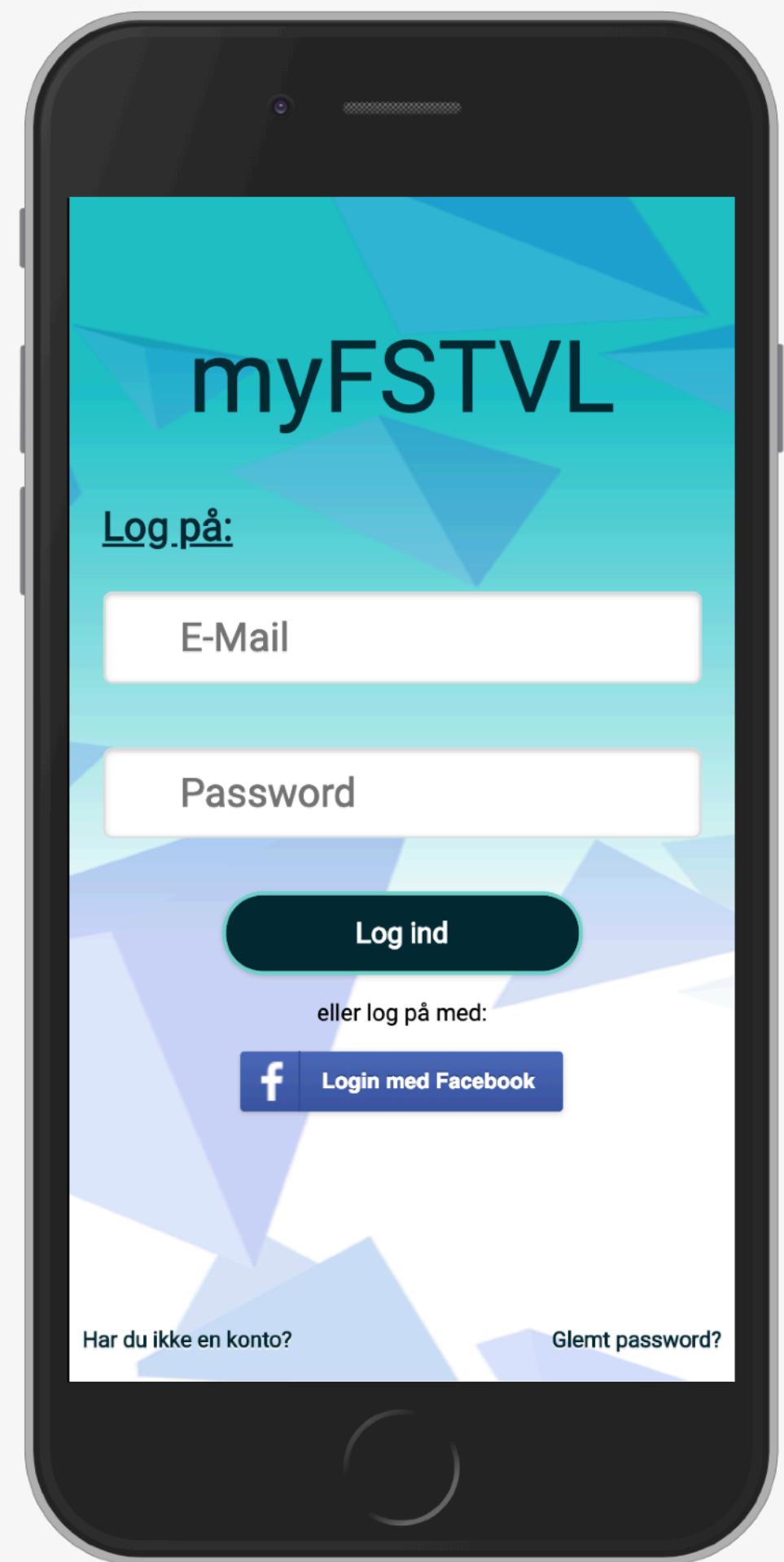






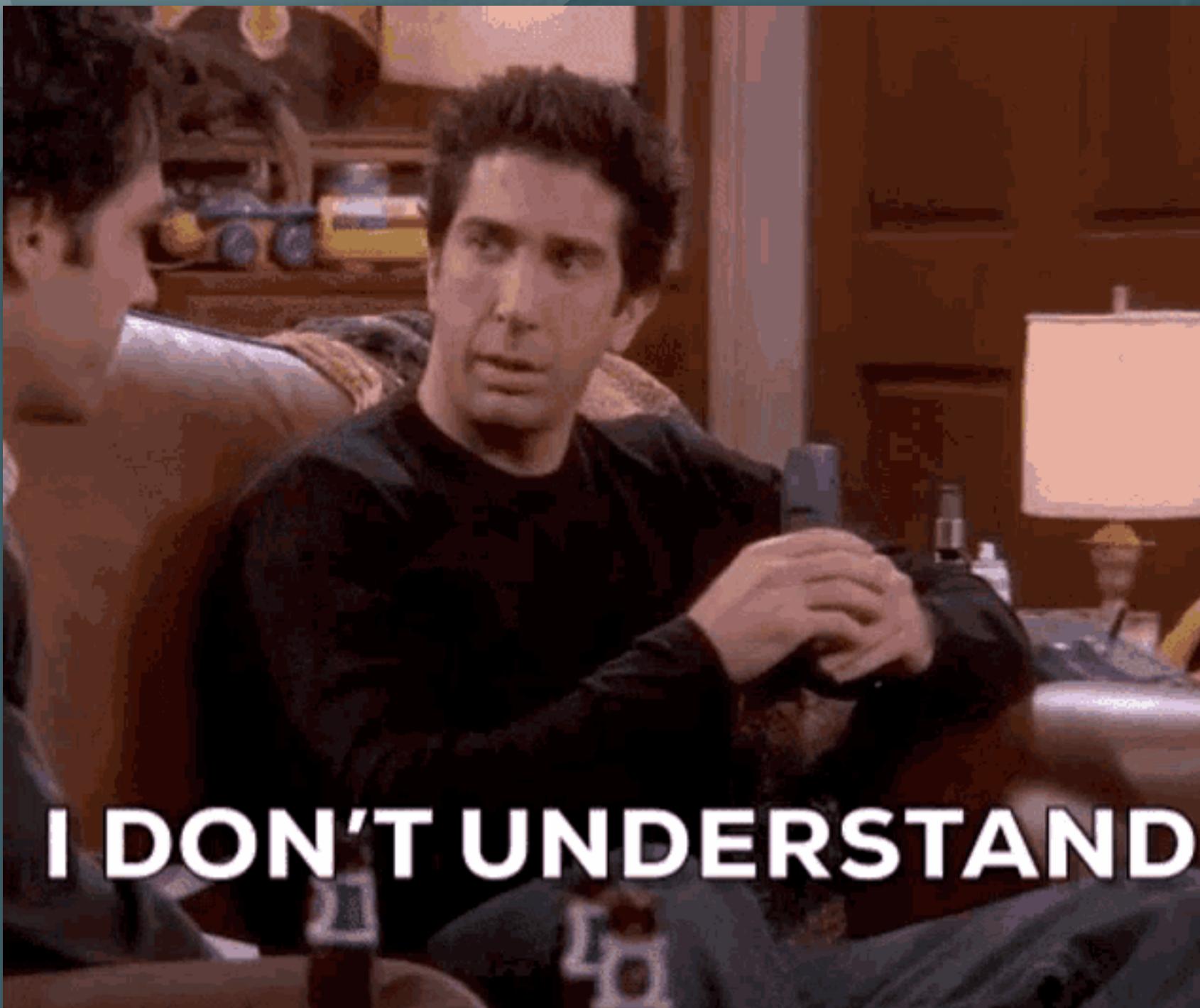






Hvorfor Frontend?

- Hvorfor programmering?
 - Er det svært?
 - Kan jeg følge med?
 - Hvad skal jeg overveje?
 - Multimediedesign og frontendudvikling?





Kristine Dzumakajeva
Former Frontend, No Zebra
Multimediedesign og PBA i Webudvikling

Why did you choose the Frontend Developer Course?

It was a hard decision, cause I was also interested in UX. But one of my final points was that it is much easier to learn some coding (especially the basis) with someone's help and support. And during past presentation of specializations, I had a big trust in Rasmus (who would be our coding teacher) and had a feeling, that this teacher can explain things and make the learning process easier. And I can admit it was totally worthy decision. Besides coding, this specialization is also focusing on UX, what was very important for me.

What did you consider when choosing the Frontend Developer Course?

I was concerned that this specialization is based on plain coding. It was important to me, that we still keep learning about UX/UI

**Why did you want to code and learn more about frontend development?
And why do you think it is important to know how to code as a multimedia designer?**

I think it is very useful to choose frontend development as a specialization. Even if you want to keep your main focus on UX/UI, you can still learn that during top up. But knowing how to code and knowing some basics is very handful and gives you an advantage while making the design, having better communication with developers and contribute with project estimates. I chose coding, because I find it so exciting to build something myself and seeing it to work 😊 I like the struggle and feeling of success when you find the right code and make it work. That is so awesome 😊

Do you think it was (too) hard to keep up in the Frontend Developer Course?

Why, why not?

I was worried about that. That others will have more knowledge and we gonna move on faster. But I didn't feel that at all! Instead, all group projects is an amazing opportunity to learn from each other besides all the class work. I have to admit, that the course is very complex and it will fly over, cause you not gonna have time to breath in between 😅😴 but in the end, looking back, I can say that everything made sense and in this 1 semester you gonna learn so much in such a short time and that is so amazing!!

Where are you know and how about the future (internship, studies, top-up, jobs etc.)?

Currently I am having a part time job in UX/UI field as well as I got a job offer from the company I did my internship with as a frontend developer. But you have to be ready by choosing this field, that learning process is never gonna stop.

There is so much out there to learn about frontend development 😊

Any other comments?

I feel very satisfied with the frontend specialization. I heard some bad reviews about 3d semester, that it is very hard etc. But if I could tell myself a little more often "relax, Kris. and take it easy". I would totally do that. It all makes sense in the end. this is the time when you finally have some skills and knowledge, and it is the last semester before internship. So it makes sense why it is so complex and squeezed. Just because by now you finally have something to work with 😊 so dont be scared or worried. Just concentration, willing to learn and some good dose of motivation - will take you through this semester in one breath 😊



Kristine Dzumakajeva

Frontend Developer, No Zebra
Multimediedesign og PBA i Webudvikling



Emil Berg Steffensen

Developer, Lunar

Multimediedesign og PBA i Webudvikling

Hvorfor valgte du Frontend Developer-linjen?

Jeg valgte Frontend Developer-linjen fordi jeg gerne ville blive bedre til at programmere, men også fordi at jeg stadig gerne ville have mulighed for at lave grafisk arbejde. Det fede ved at være frontend developer er at du kan få dit arbejde til livs, når du går fra det grafiske arbejde til programmeringen af det.

Hvilke overvejelser gjorde du dig i dit valg?

Jeg ville rigtig gerne have flere jobmuligheder og bedre jobsikkerhed, derfor er det en mega god ide at lære programmering igennem studiet.

Hvorfor vil du gerne programmere og lære mere om frontendudvikling? Og hvorfor tænker du, at det er vigtigt at kunne programmere som multimediedesigner?

Ud fra mine erfaringer har det været et kæmpe plus at kunne programmere. Jeg har kunne søge mange flere fede praktikpladser, hvor man som minimum har skulle være frontend developer. I min praktik har mine opgaver stadig været meget grafisk arbejde, men alt hvad jeg designer skal jeg derefter programmere.

Synes du at det var svært og kunne du følge med på Frontend-linjen? Hvorfor, hvorfor ikke?

Jeg tror alle synes at det er forholdsvis svært i starten, men for mit vedkommende, skal man bare møde op og følge med i undervisningen, så bliver det hele lettere med tiden. Selvfølgelig er det meget federe hvis man lige får lavet sine lektier/opgaver undervejs og så måske kigger på lidt ekstramateriale.

Hvor er du nu, og hvad tænker du at fremtiden byder på (praktik, studie/ uddannelser, job, studiejob)?

På grund af mit valg som frontend developer, har jeg haft praktikplads hos Lunar bank. Herefter har jeg valgt at søge ind på professionsbacheloren i webudvikling. Under praktik blev jeg tilbudt studiejob, som de så håber kan føre til fastansættelse bagefter.

Andre kommentarer?

Som udgangspunkt valgte jeg multimediedesign, fordi jeg altid har synes at design var sjovt at arbejde med. Under uddannelsen fandt jeg hurtigt ud af at det var meget federe at kunne skabe designs andre steder end i photoshop osv.



Johanne Justesen Poulsen
Frontend Developer, Kruso
Multimediedesign og PBA i Webudvikling

Hvorfor valgte du Frontend Developer-linjen?

Jeg var generelt meget i tvivl om hvad jeg skulle vælge som linjefag. Jeg havde aldrig troet at jeg ville kode, men så kom lysten snigende til selv at kunne udvikle mine webdesigns og have forståelsen bag. Jeg tror min beslutning blev endelig, da jeg kunne mærke min største interesse lå i webdelen i form af design af løsninger og kodningen dertil, fremfor sociale mediestrategier og branding.

Hvilke overvejelser gjorde du dig i dit valg? Synes du at det var svært og kunne du følge med på Frontend-linjen? Hvorfor, hvorfor ikke?

Jeg overvejede om min interesse var stor nok og om jeg ville kunne følge med. Men det var mit mindste problem da vi endelig startede. Der var "ro" til at fordybe sig og lære fordi semesteret havde størst fokus på frontenddelen. Derudover er underviserne meget engageret og forstår at det kan være kompleks og svært. Jeg udsøgte meget hvilken retning eller job jeg ville kunne få på baggrund af den linje jeg valgte på fx. Linkedin.

Hvorfor vil du gerne programmere og lære mere om frontendudvikling?

Jeg kunne mærke et behov for at udfordre mig selv
Jeg var nysgerrig på faget samt de egenskaber og mulighederne jeg ville kunne få fra faget.
Jeg ville gerne have at min uddannelse kunne lære mig noget som jeg ikke selv vil kunne lære mig
Jeg følte mig stærk i alle andre fag, og ville gerne styrke mig i det jeg var mindre god til og havde svært ved, så jeg fik en så stærk profil som muligt

Og hvorfor tænker du, at det er vigtigt at kunne programmere som multimediedesigner?

Jeg brænder for webdesign og UX design og ville gerne kunne kode selv og have forståelsen, så jeg i fremtiden ville kunne lave bedre designløsninger

Hvor er du nu, og hvad tænker du at fremtiden byder på (praktik, studie/ uddannelser, job, studiejob)?

Jeg er lige startet på min BPA i webudvikling på KEA og arbejder ved siden af som junior UX designer i et webbureau. Jeg er stadig ved at finde ud af hvad fremtiden skal bringe, da jeg nok ikke er den typiske webudvikler, men jeg håber på at blive en badass UX designer eller frontend udvikler, da jeg uddover kodning også fortsat ønsker at arbejde meget med design.

“Det har for mig været en kæmpe øjenåbner, for hvor nyttigt det er at kunne bare en lille smule JavaScript i den her branche.”

“Der har været riktig mange situationer, hvor det enten ikke har kunne lade sig gøre at lave den pågældende ting, uden JavaScript, eller hvor jeg bare kunne gøre det langt smartere med JavaScript.”

“Der er tilsyndeladende stor rift om dem der kan JavaScript på arbejdsmarkedet og nu giver det endnu bedre mening hvorfor.”

“Jeg er utrolig glad for at jeg valgte frontend på 3. semester, Rasmus’ undervisning har været meget brugbar, og det har været en stor hjælp at have en grundlæggende forståelse for JavaScript.”

- *Frontend Student, FALL 2020*

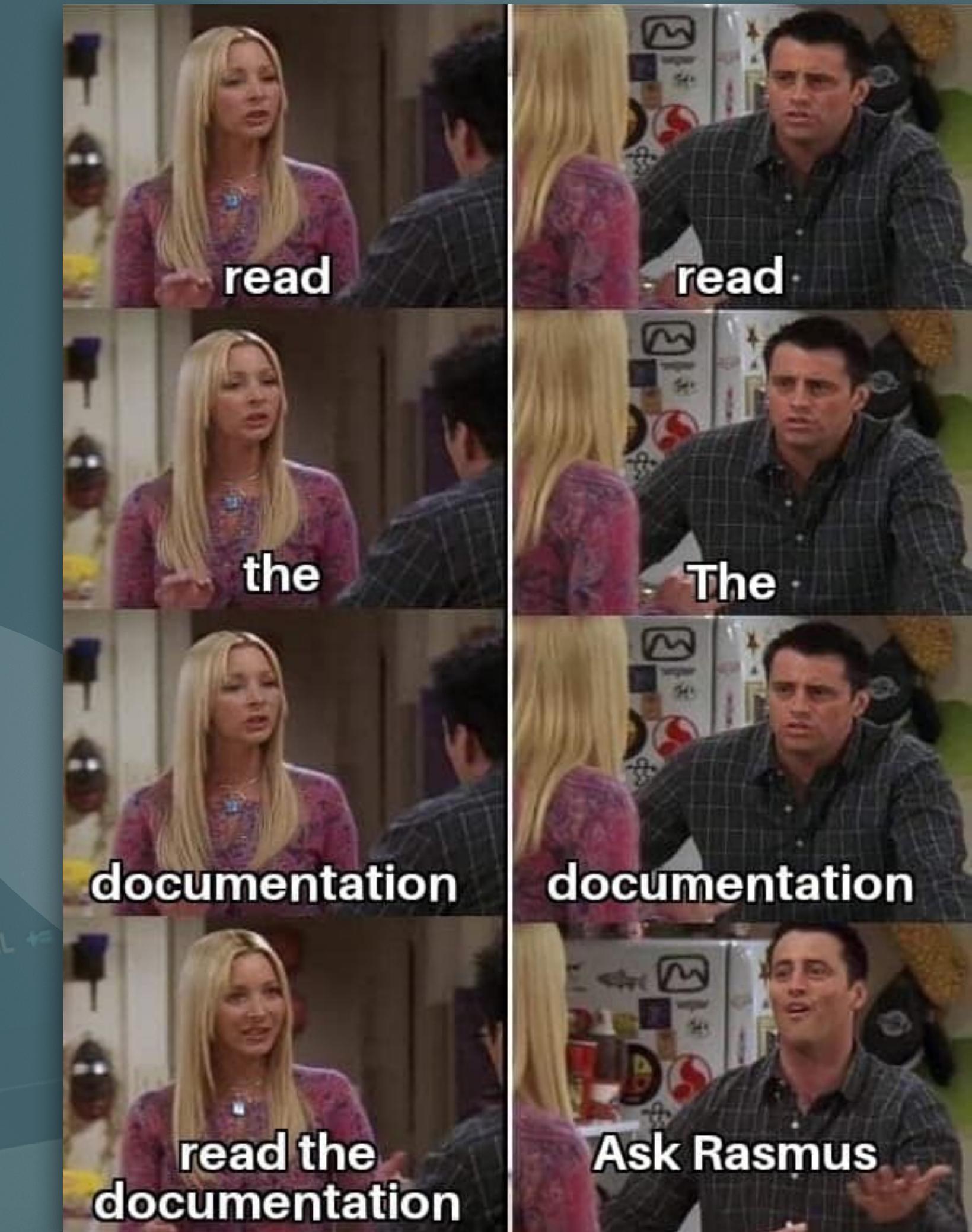
Undefined Variable?

Og hvad så nu?

Overvej: Interesse? Passion? Fremtidige
studier? Jobmuligheder? Løn?

I can teach anyone how to code

... as long as you are eager to learn



Spørgsmål



Rasmus Cederdorff
Senior Lecturer & Web App Developer
race@eaaa.dk