

How to Train Colleagues in Accessibility



Lotte Johansen, Tom Widerøe & Tor-Martin Storsletten
FINN.no
CSUN, March 2018

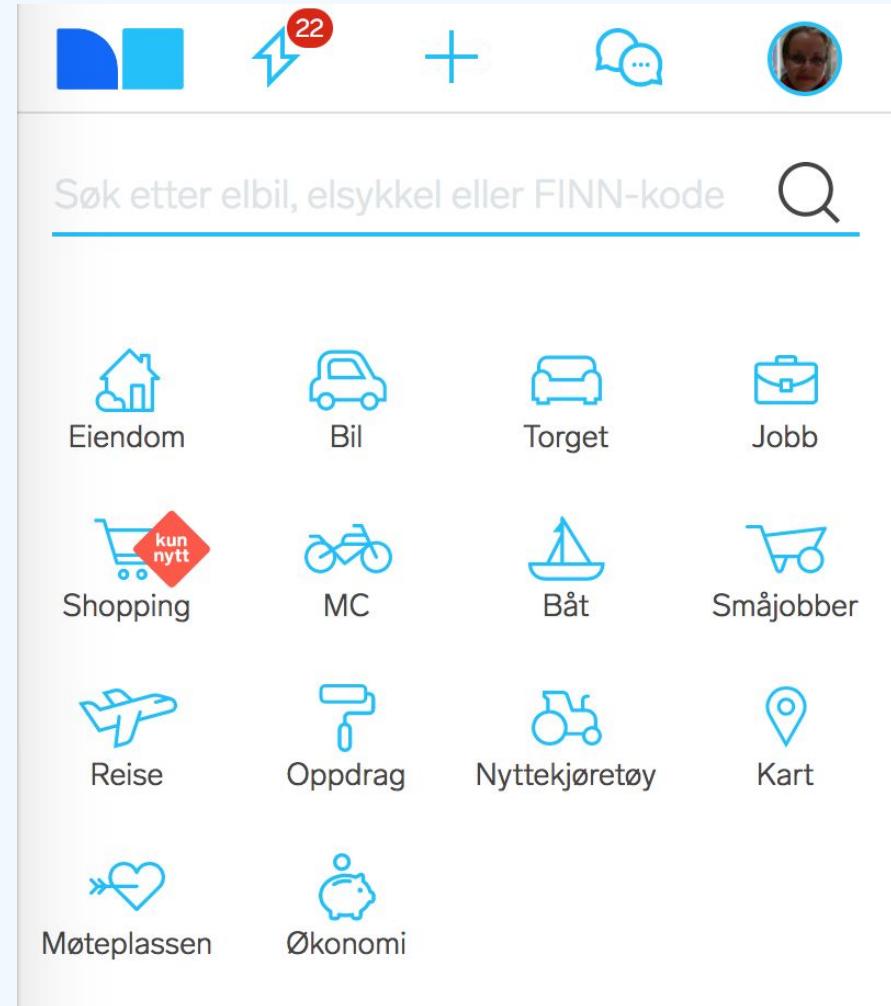
About us

- Lotte Johansen
@lotte_johansen
- Tom Widerøe
@twidero
- Tor-Martin
Storsletten



FINN.no

- Norway's no 1 online Marketplace
- Sell and buy anything
- Like Craigslist



Schibsted

Media and marketplaces around
the world



blocket

FINN

VI
B
B
O

subito

Chợ Tốt.vn
MUỐN LÀ CÓ

InfoJobs
Let's work!

leboncoin

WILLHABEN

Done
Deal.ie

yapo.cl

shpock

segundamano

What's in it for me?



Process

1. Group
2. Mandate
3. Knowledge
4. External expertise
5. Spread the word
6. Workshops
7. User tests
8. Automatic validation



Workshop



Workshop agenda

2 hours

- ABC of accessibility
- How to test - demos
- Hands-on testing
- Talk about the findings
- Feedback



Who to invite



Developer teams

- Developers
- Designers
- Product managers



New colleagues

- Everyone!



What to bring



- Laptop
- Smartphone
- Headphones



What to test



Developer teams

- What they have made
- Ongoing projects



New colleagues

- Anything
- Defined user case



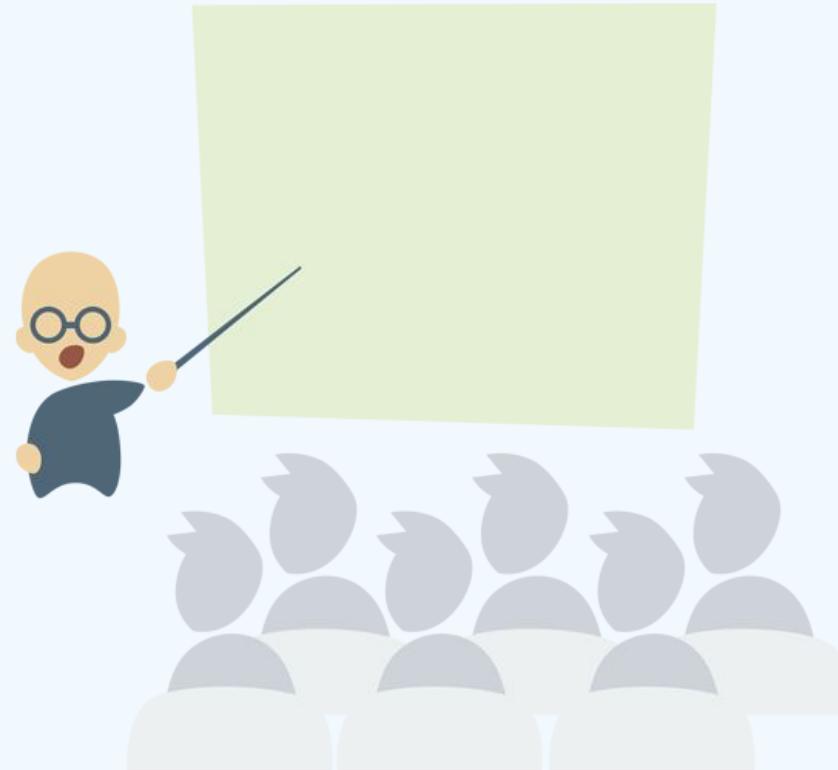
Preparations summary



- Send invitations
- Create tasks for testing
- Prepare a document for findings

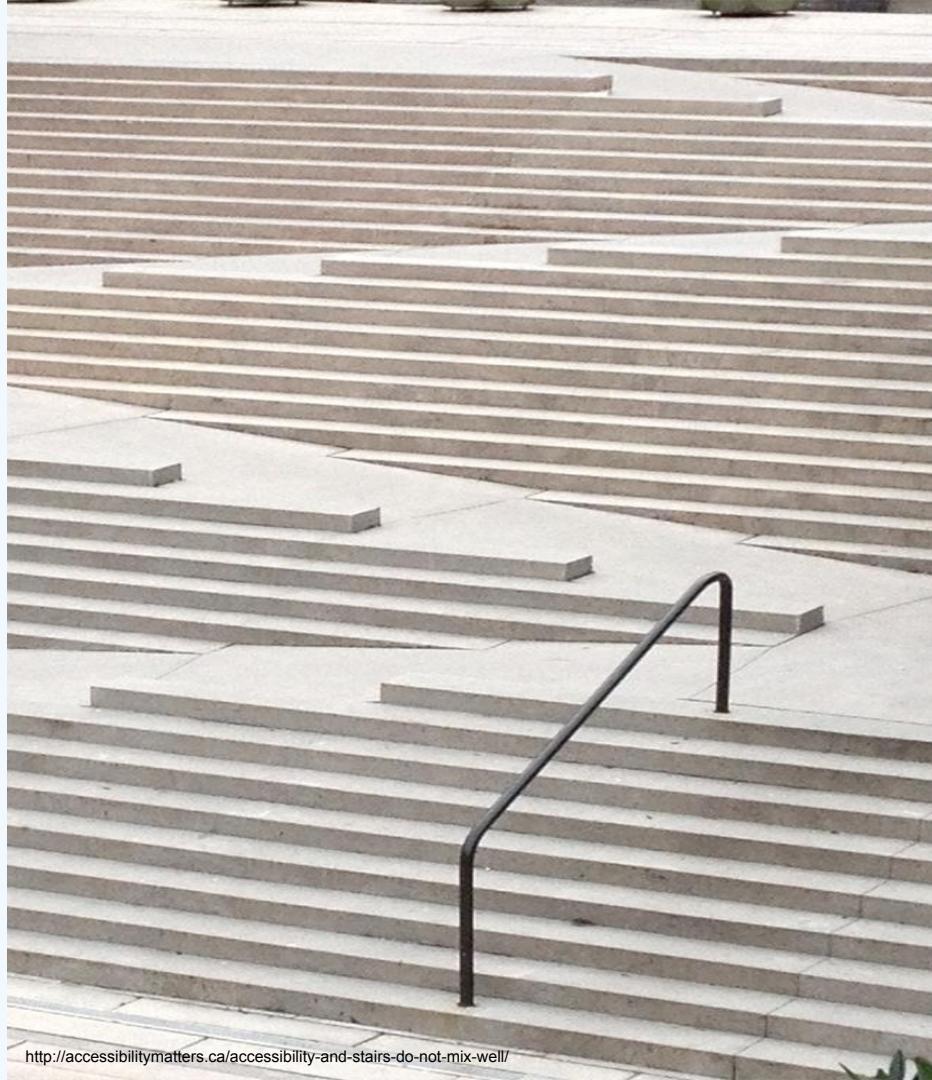
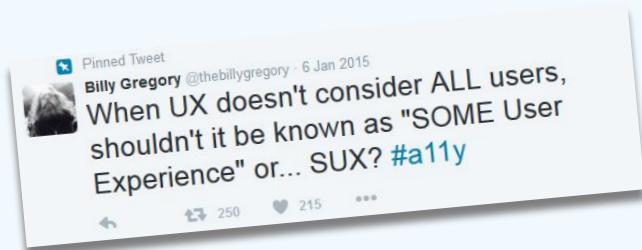


Introduction



Goal for the workshop

- Awareness
- Uncover and repair obstacles
- Create universal designed products in the future





17%





Disabilities are not
a problem by itself.

The problem are
the obstacles we
meet.



**Accessibility makes it
better for everyone!**



Better for Everyone

Before

FINN Mulighetenes marked  Siste nytt  Ny annonse  Varslinger  Min FINN

Flytt til arkiv Slett

 Roar Johansen
Volkswagen Touran 1,9 TDI 2007, 129 633 km, kr 72 043,-

1 måned siden  test kontakt selger fra Lotte logget inn

Hei, Lotte. Jeg fikk "malladressen" din fra han andre Roar. Han på G ;)
Hilsen han Roar. Han på Hot.

1 måned siden  Svar til Roar 1 eller 2? :-)
Hilsen Lotte
Sent from my iPhone

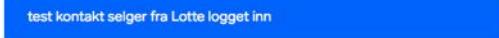
1 måned siden  (epost skjult av FINN.no). Via mail.

1 måned siden  Den eposten ble skjult av FINN... :-/
Sent from my iPhone

After

FINN Mulighetenes marked  Varslinger  Ny annonse  Meldinger  Min FINN

 Roar Johansen  Volkswagen Touran 1,9 TDI 2007, 129 633 km, kr 72 043,-
Ønsker 72043 kr

Sent av deg, 3 år siden  test kontakt selger fra Lotte logget inn

Sendt av Roar Johansen, 3 år siden  Hei, Lotte. Jeg fikk "malladressen" din fra han andre Roar. Han på G ;)
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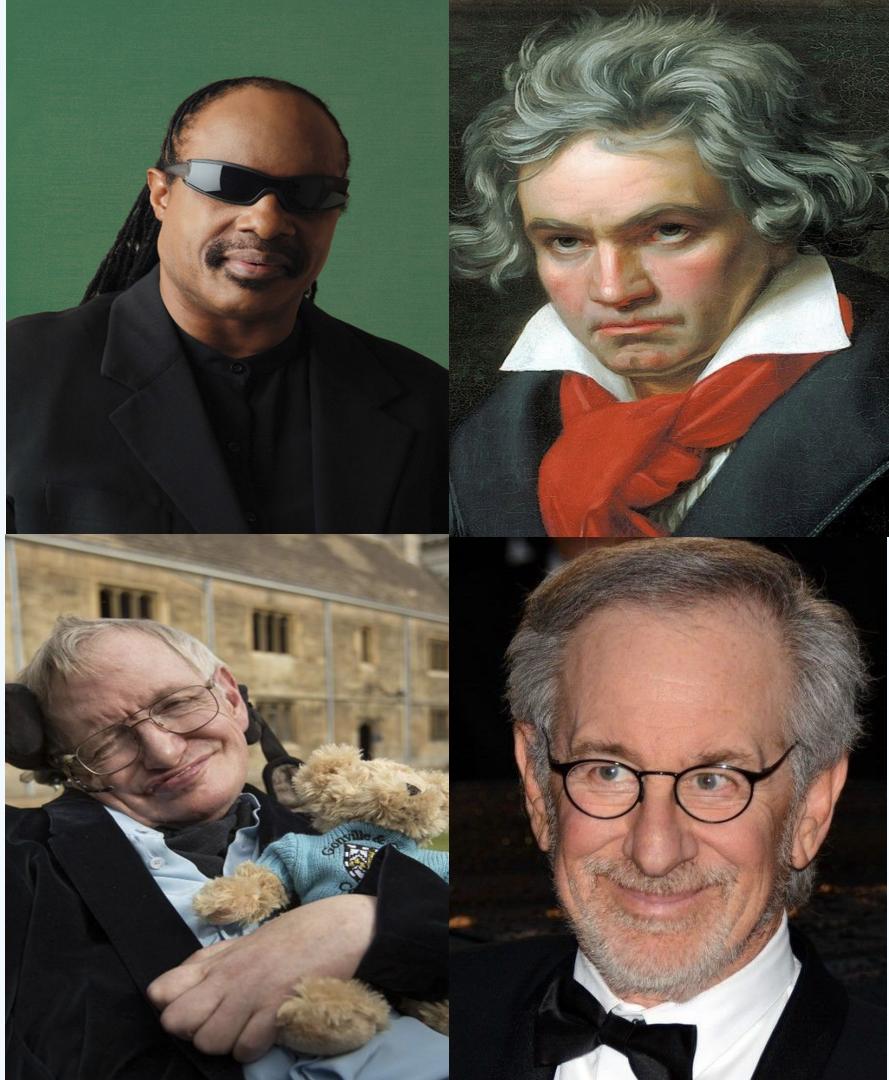
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Disabilities

Visual
Hearing
Motor
Cognitive



How to test



Straw Test



FINN Muligheten marked Q Markeder Siste nytt + Ny annonse Min FINN [Bestill prospekt fra tilbyder](#)

Browse 0... How to... FINN - Ad Click Eyes... Page Re... traffic... Google 0... FINN... Instagram

[m.finn.no/realestate/homes/ad.html?finnkode=54351378&location=](#)

DRØBAK - FAMILIEBOLIG MED VANNBÅREN VARME OG SMIDIG UNDERETRÅSJE

Belsjøveien 56
1445 Drøbak

Prisantydning

Verdikast
Kommunale avg.
Lånekast

5 950 000,-

6 400 000,-
10 000,-
5 600 000,-

Se kjøpsomkostinger

Hva er denne soigt for tidligere?

Pris på lån

Pris på forsikring

Priserom	256 m ²	0.5 km
Bruksareal	286 m ²	1.2 km
Soverom	5	0.9 km
Bruuttoareal	317 m ²	1.5 km
Boligtype	Enebolig	
Eierform	Eier (Selsører)	
Tomteareal	1 209 m ²	
Byggeår	1966	
Festningsvikt	2 858,-	
Energimerking	F	

Om nabølaget

Ica Supermarked Drø...	0.5 km
Dyrlekkessønn skole (1-...	1.2 km
Heier skole (1-7 kl.)	0.9 km
Drøbak skole (1-7 kl.)	1.5 km
Drøbak Montessori sko...	1.9 km

Vurdering av 45 lokalkjente

Opplevd trygghet	Veldig trygt
Naboskapet	Gott vennskap
Kvalitet på skolene	Veldig bra

[Les mer om nabølaget](#)

Fasiliteter

Balkong/Terrasse, Kabel-TV, Rolig, Sentralt, Barnevennlig, Peis/lidsted, Garasje/P-plass, Gultbane, Bredbåndstilkning, Turterring, Moderne, Hage, Parkett, Offentlig vann/kloakk, Utsikt

Innhold

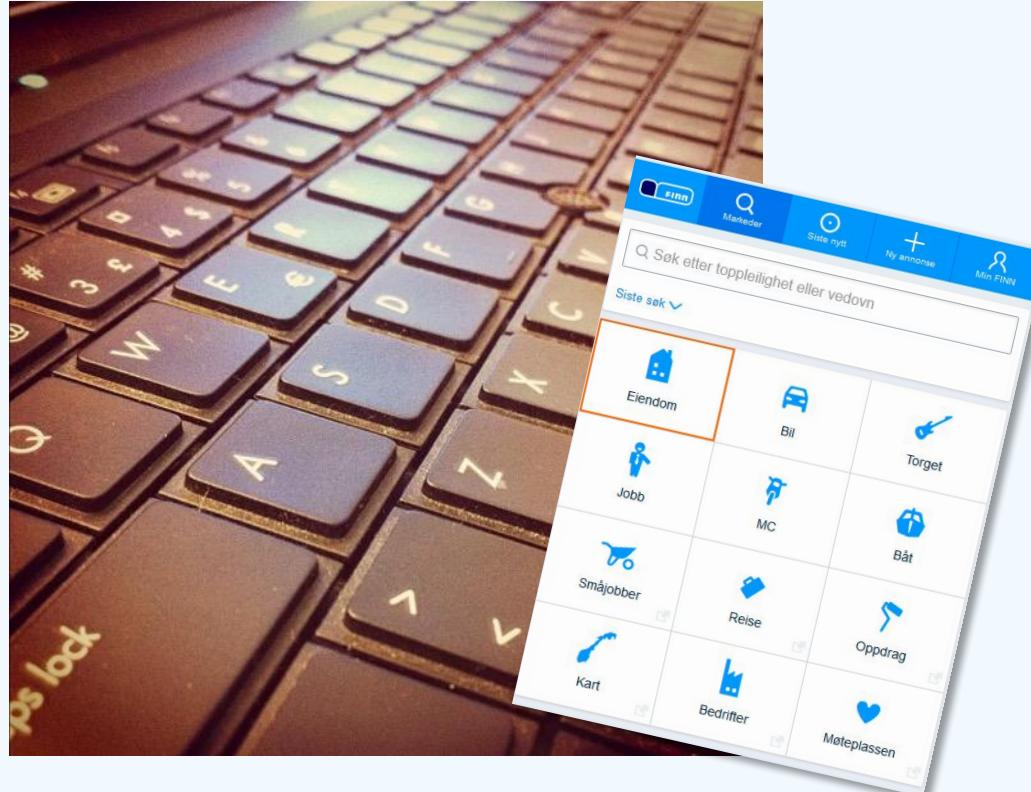
I hjertet av boligområdet ligger en liten oase med fredfull eneboligområdet. Området er kjent for sitt etablerte miljø, der de fleste blir bosette i dette attraktive området. Eneboligene er romslig og ble totalt ombygget i 1988 med de beste materialer. Mye av dette er godt bevart - men flere funksjoner i huset kan med rette bli byttet ut til nærmeste årene. Materialavaliene som ble gjort har vært og er fortsatt vedlikeholdsfrie. Dette kan være nyttoget det som gir en liten familie den



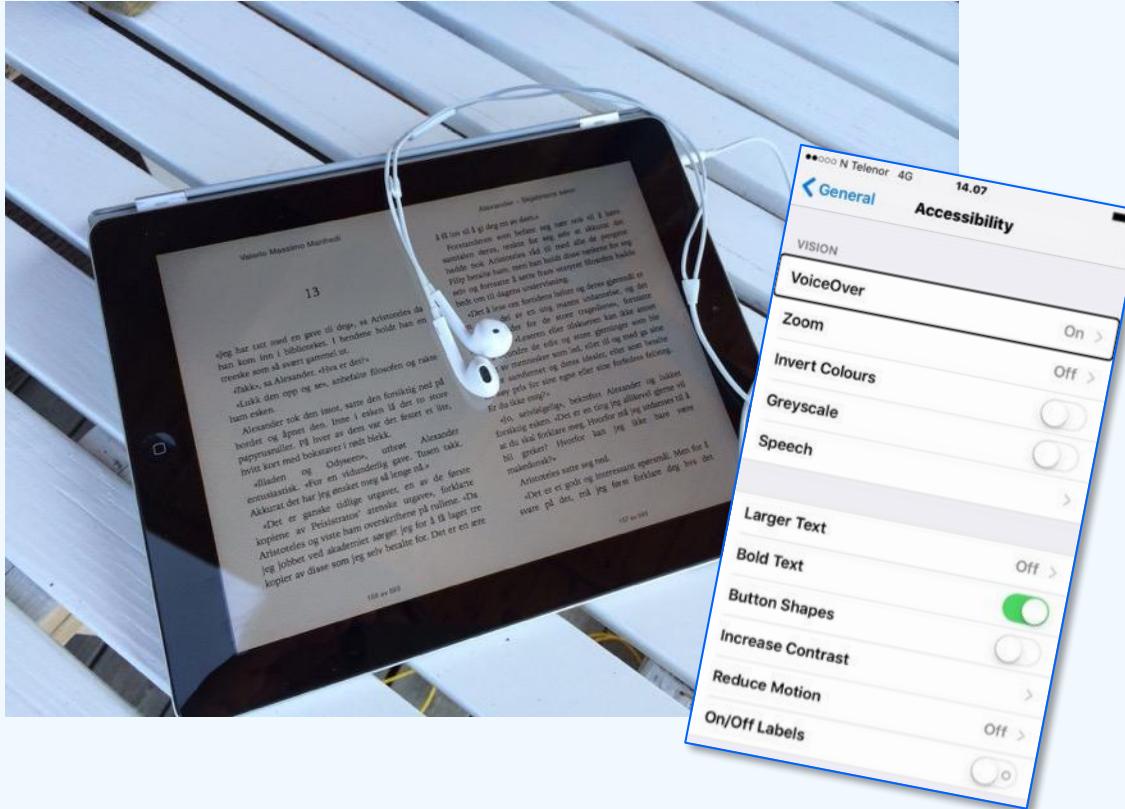
Cambridge Glasses



Keyboard Navigation



Screen Reader





Testing





Testing





Testing





Testing





Testing





Gather Findings

Before:

- Post-its on the wall
- One note per finding

👎 Hard to take notes





Gather Findings

Now:

- Shared document
- Everyone recreate bugs

👍 Summary written automatically

Accessibility findings

- Write the problems you find in the matrix. Add a new row if necessary.
- Write your initials and OS (in parenthesis).
- Test methods: scale, contrast, keyboard, screen reader.

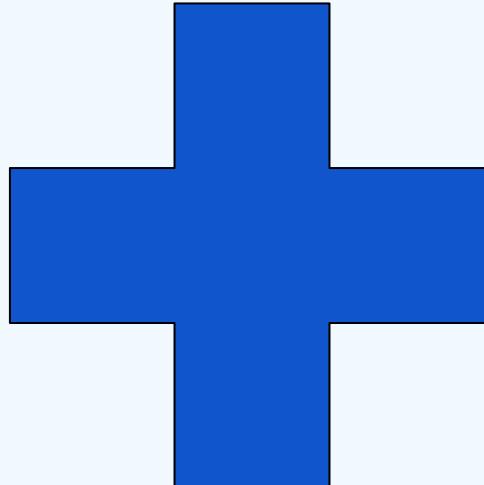
Desktop

	Name	URL	Test method and OS/browser	Description
1	Lotte Johansen	https://www.finn.no/settings.html	Keyboard (mac/chrome)	Not able to
2	Sigurd	https://identity-pre.schibsted.com/login-password	Voiceover (mac/safari)	Error message give voiceover "you are on an ok button", but no context
3	Ingrid	Login screen	Zoom (mac, safari)	Huge image on login screen that does not really have something to do with login
4	Camilla	https://payment.schibsted.no/account/summary	Keyboard nav Mac Chrome	Not able to reach the drop-down menu next to the user name with keyboard
5	Nowik	https://www.finn.no/user/profile/edit.html	Black and white screen mode	Hard to see links, I have troubles with accessing SPI D (Rediger profil)
6	Kevin	https://login.schibsted.com/account/summary	Mac OS Safari, VoiceOver	<ul style="list-style-type: none">● No headings for a lot of the information● Labels for things with no content● Lots of "space" content that the screen

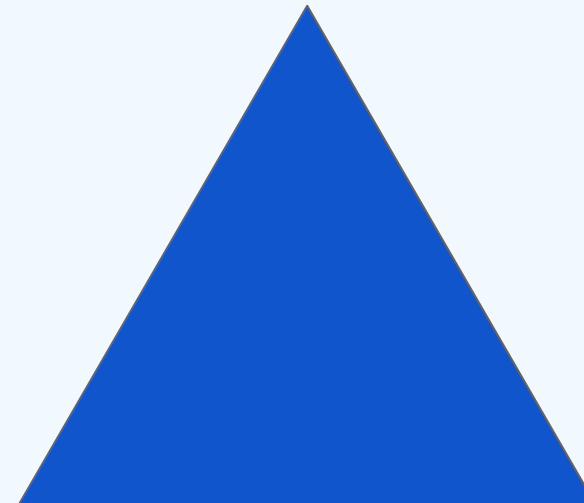
Feedback



Plus



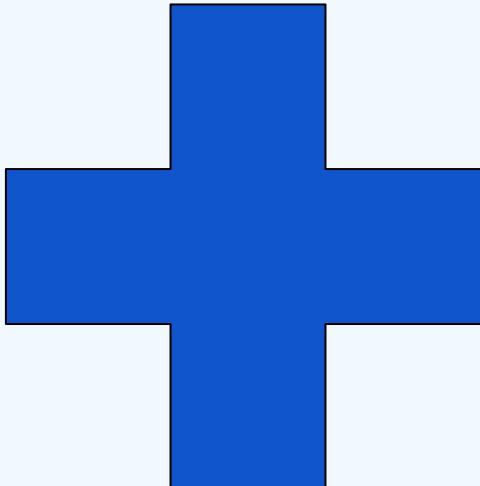
Delta



Feedback



Plus



- Inspiring
- Fun
- Awareness
- Easy
- Spread further!

Feedback



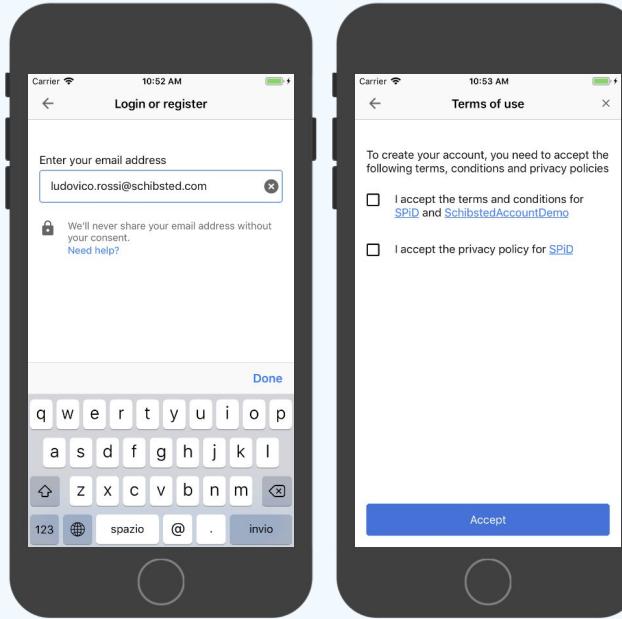
- More time on testing tools
 - Introduction round
 - One testing tool at the time!
 - Engage non-technical people
- Delta





Very cool that it is so easy to fix. It is just about being aware of the disabled. By using plain html, it works out of the box for all browsers and all disabled.

- Frank Holm, Senior Frontend developer, Team Ad Input, FINN.no



I've got very inspired by the accessibility workshop you held last week, and I was thinking about doing something similar at the Schibsted internal iOS conference that we will have in Vienna at the end of May.

- Ludovico Rossi, iOS developer, Schibsted

After Work



Prettify document

- Remove duplicates
- Add comments and suggestions
- Rate bugs
- Clarify false bugs





After Work

If the bugs are not getting fixed...



Tor-Martin's View





Sum Up

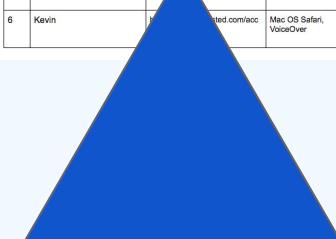
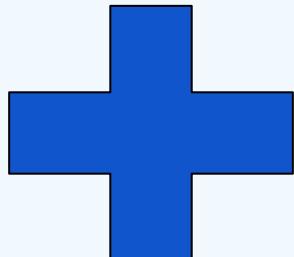


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Questions?



@lotte_johansen



@twidero



Tor-Martin
Storsletten

Thank You!



@lotte_johansen



@twidero



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