COPENHAGEN

INTERNATIONAL
SOFTWARE DEVELOPMENT
CONFERENCE 2014



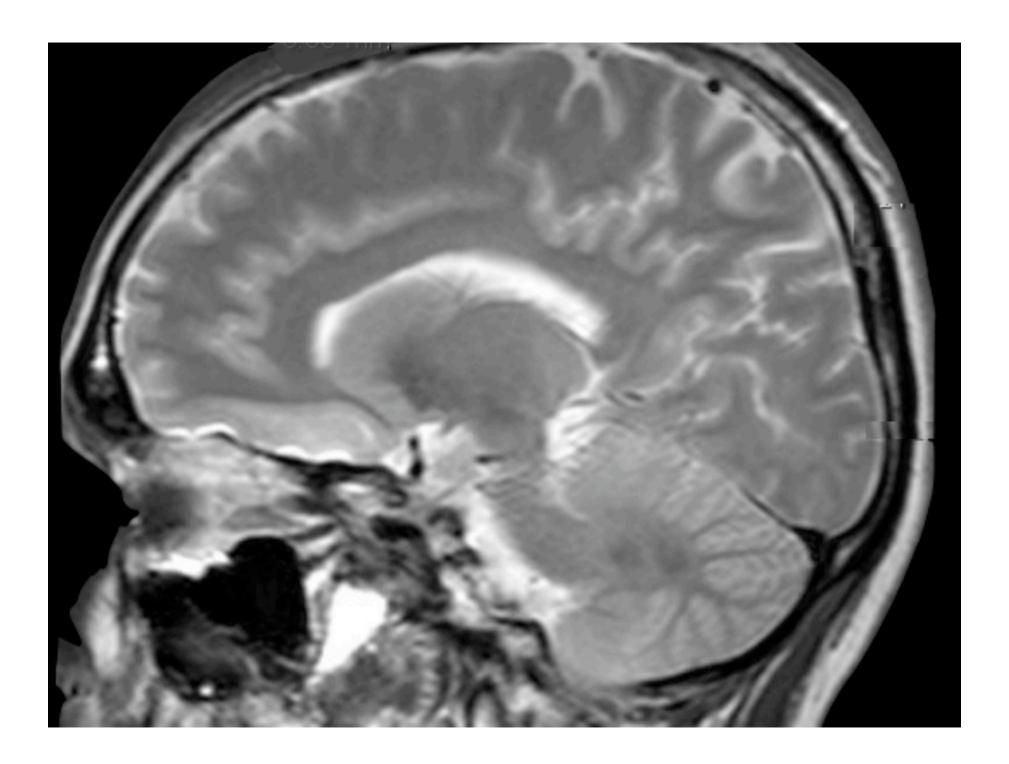
UX FOR MOBILE: IT'S ALL ABOUT ATTENTION

Chris Atherton Finite Attention Ltd

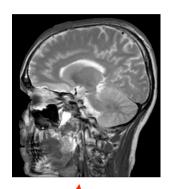
@finiteattention



<disclaimer>



Site that should know better

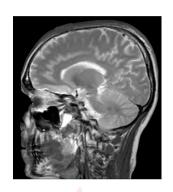


OBLIGATORY
BUT WHOLLY
UNRELATED
BRAIN PIC

Title that belongs in a tabloid newspaper

Story about usability or UX or some aspect of software-related human experience that turns out to have no supporting evidence in it from brain studies of any kind, though it may mention the brain several times.

Site that should know better



OBLIGATORY
BUT WHOLLY
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Story about usability orkeby to be some aspector entware relating good by to have do aspporting exercise if a from benitalitates of any kind, shough it may mention the brain several times.

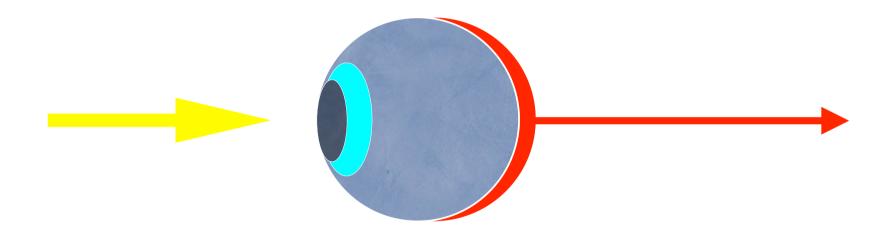
"the seductive allure of neuroscience explanations"

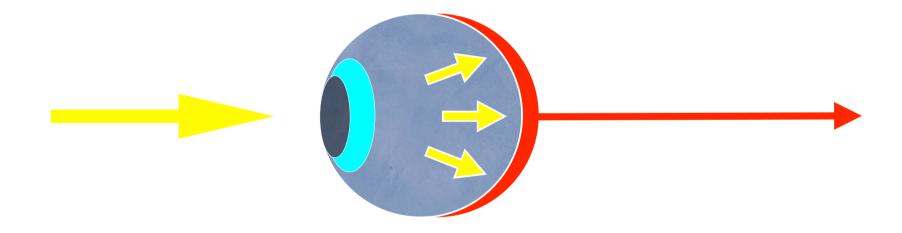


"the seductive allure of seductive allure"

</disclaimer>

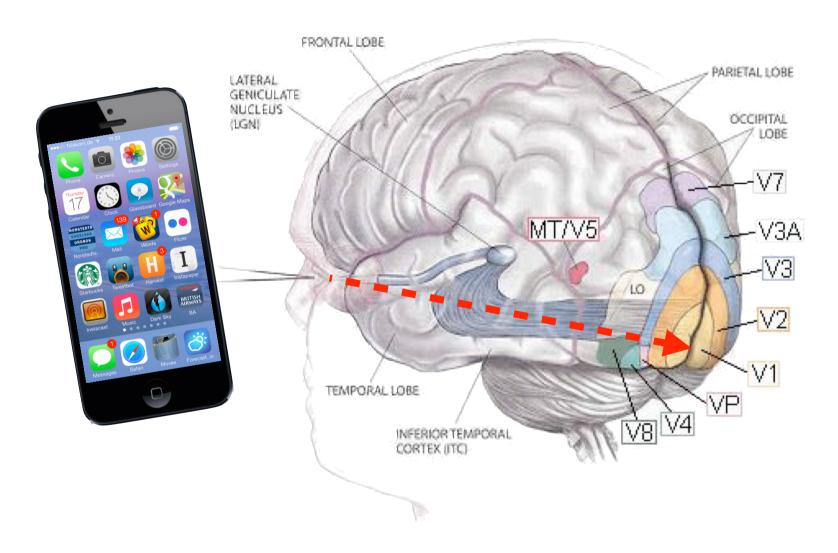
let's talk about vision





... different neurones already processing the information from each eye different neurones encode <u>what</u> you're looking at, vs. <u>where</u> it is ...

...different neurones encode hue and contrast ...

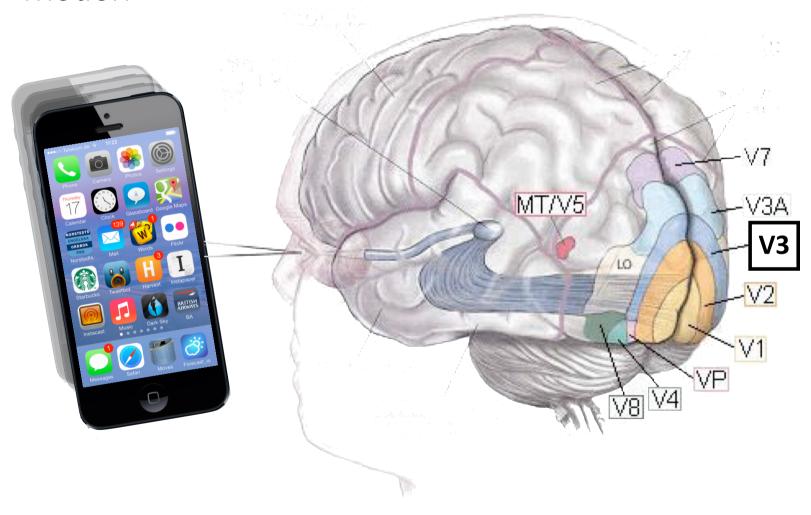


www.owlnet.rice.edu

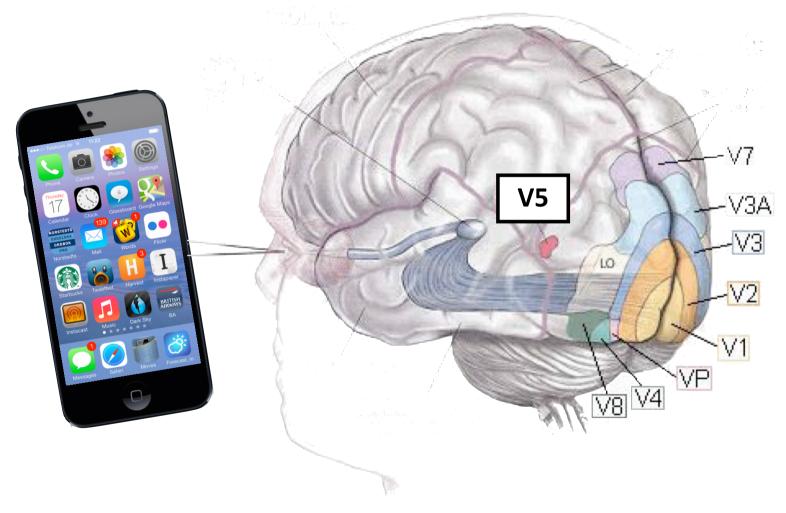
Where

fast pathway; figures out where stuff is, grabs your attention MT/V5

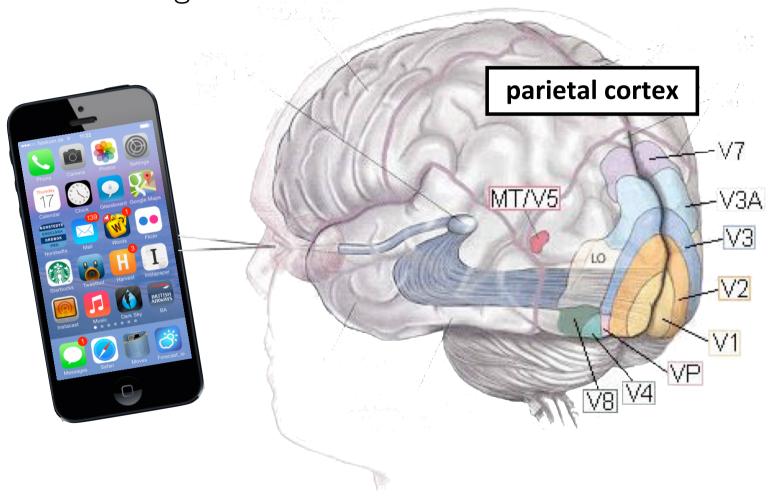
V3 motion

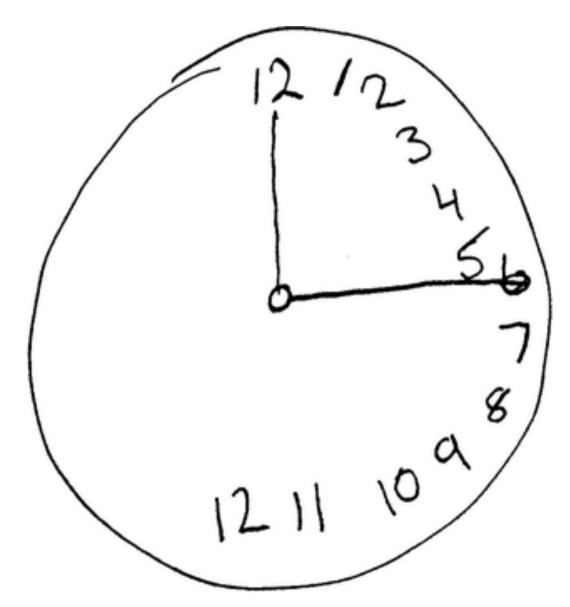


V5 motion and direction



attention management





www.fatamagora.net

Normal Alzheimer radiologyassistant.nl

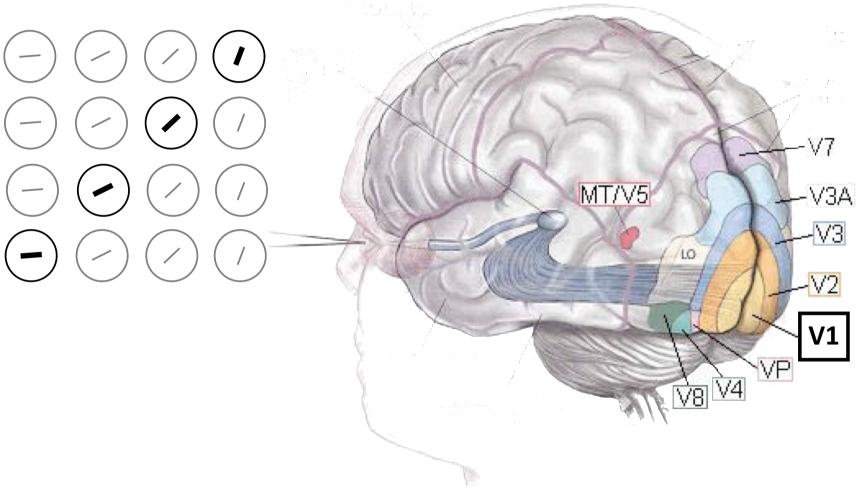
Where

fast pathway; figures out where stuff is, grabs your attention MT/V5

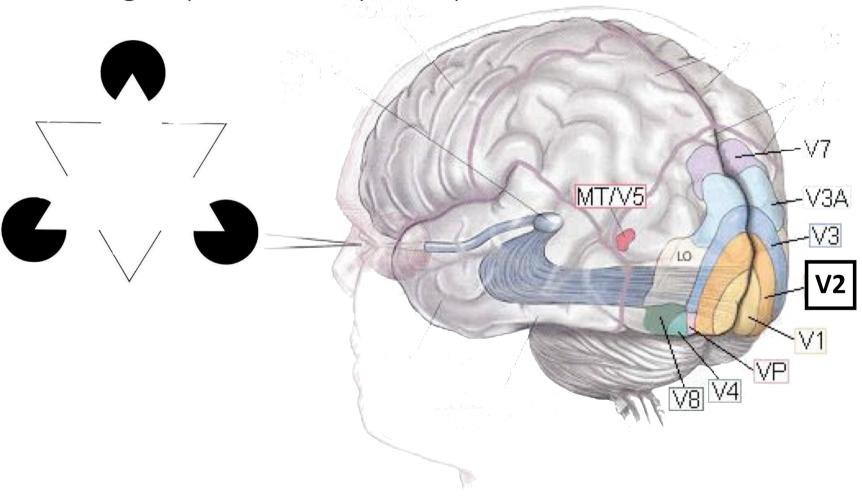
What

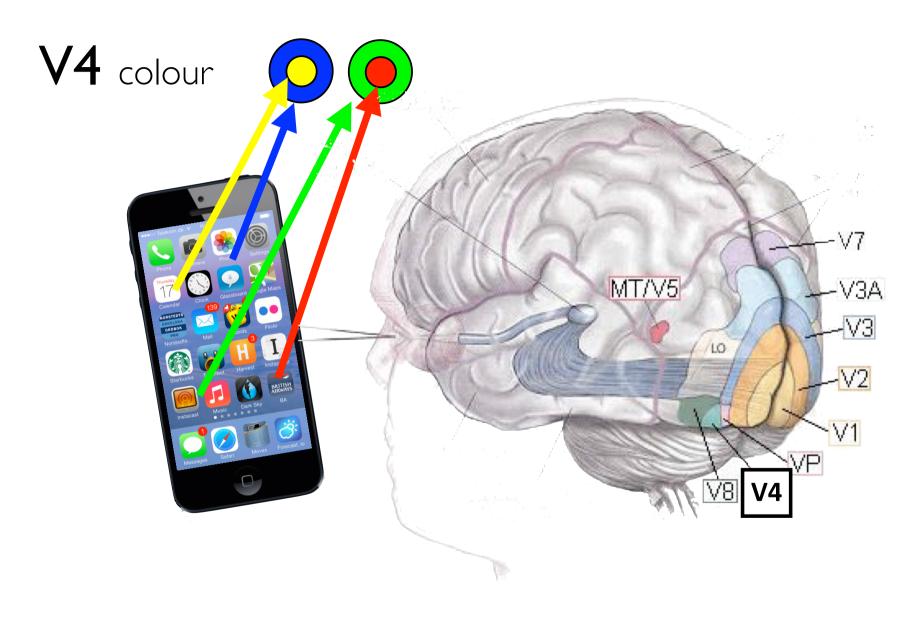
slow pathway; evaluates things you are already looking at MT/V5

VI line fragments

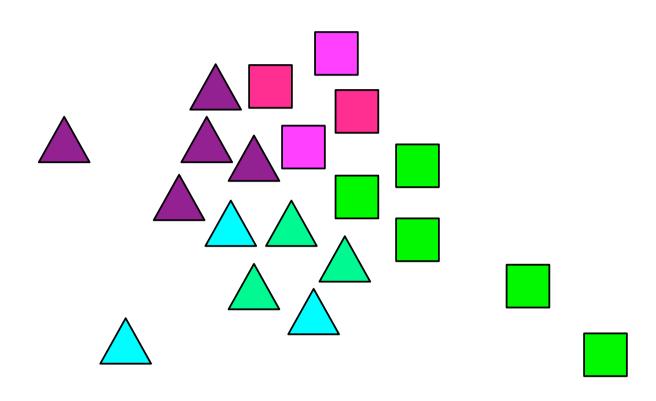


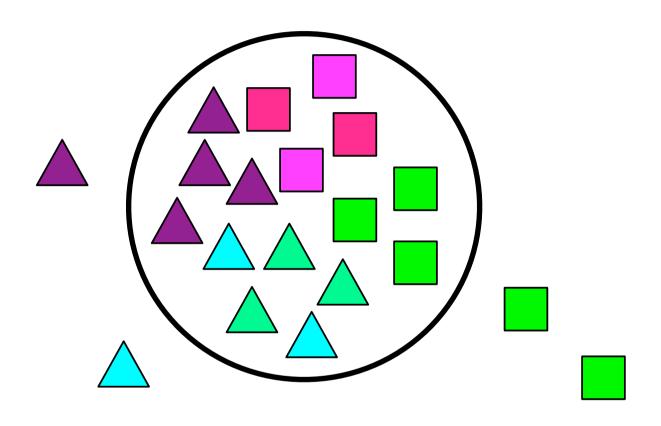
V2 edges (even illusory ones)

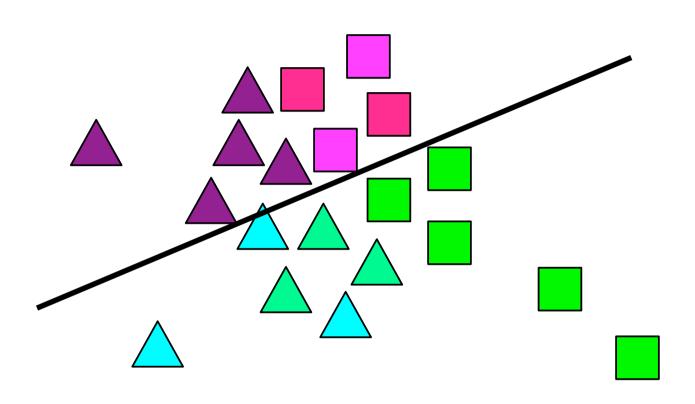


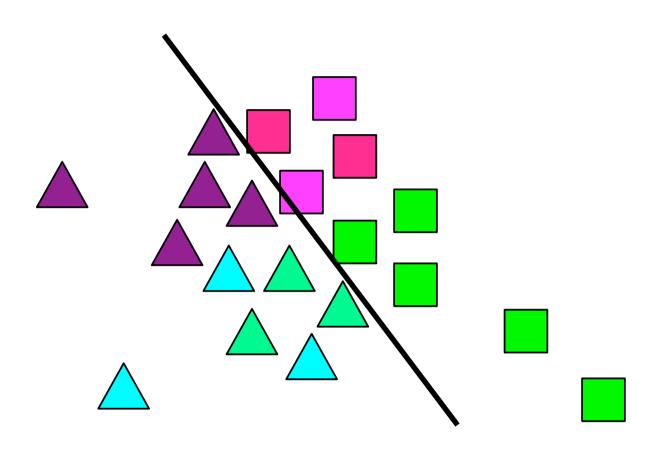


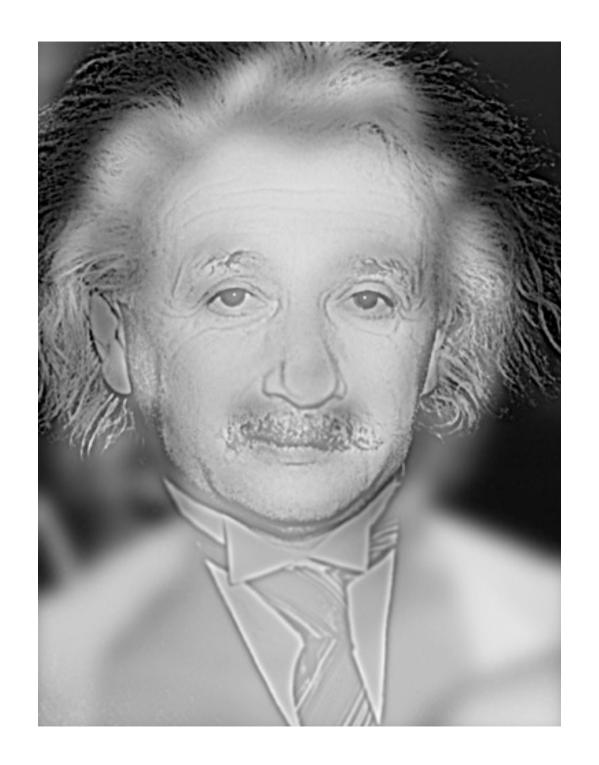
where and then what

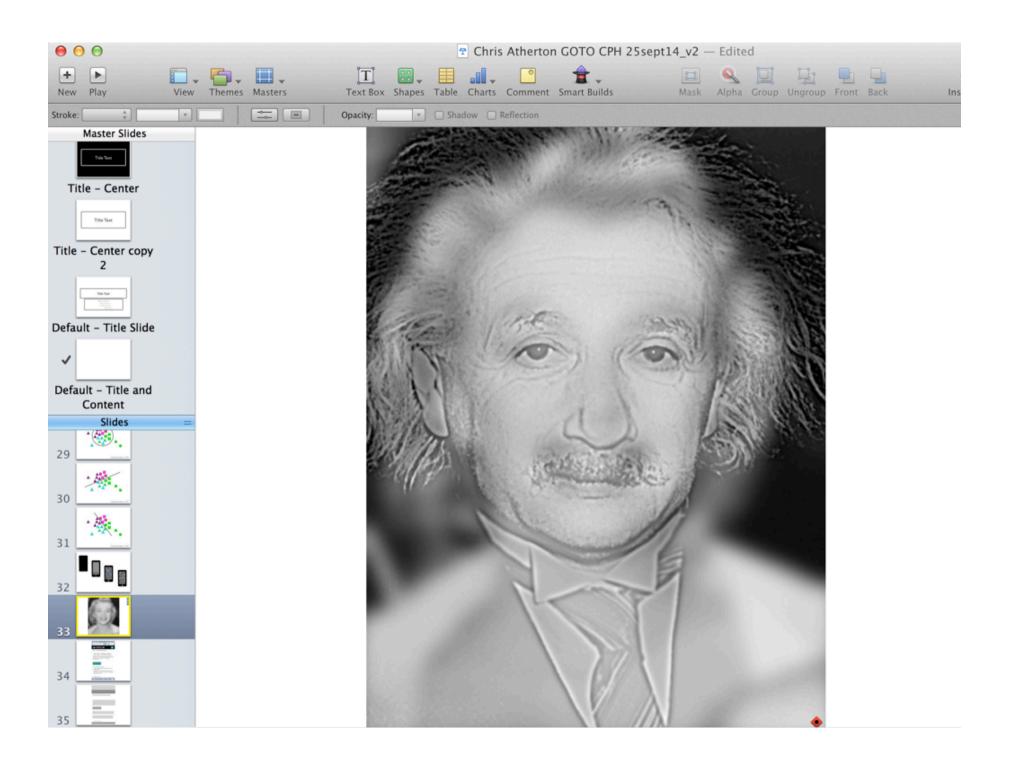




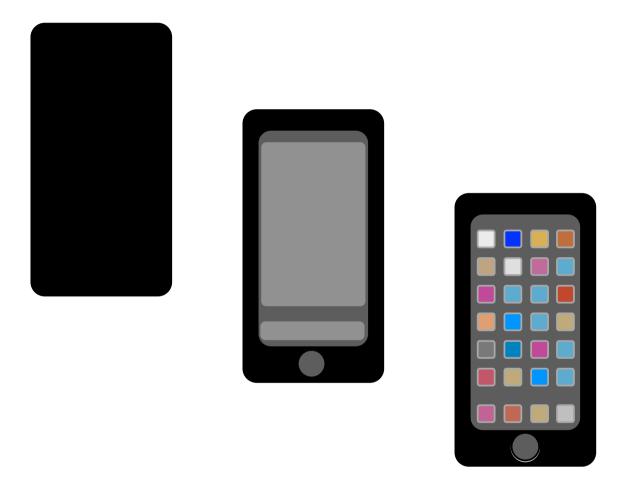








what does this mean for mobile usability?







Visit Visa - General Visitor

A visa that allows you to come into the UK as a tourist for up to six months. You need a visa if your nationality is not included in the European Economic Area.



- This product costs £80.00
- It usually takes 15 days to get this Visit Visa -General Visitor
- Upgrade to our 5 Day Service for £180.00 and get your visa in 5 days, or use one of <u>our other</u> fast-track services.

Before you start







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Before you start



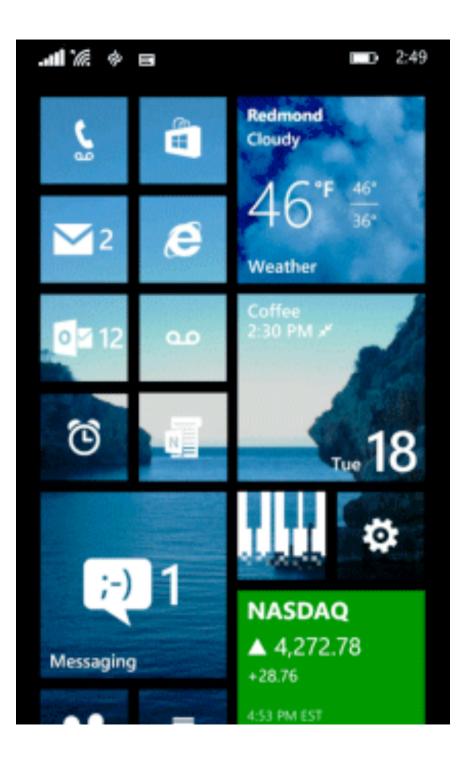
size does matter

everything is a fight for the user's attention

your attention is constantly being hijacked

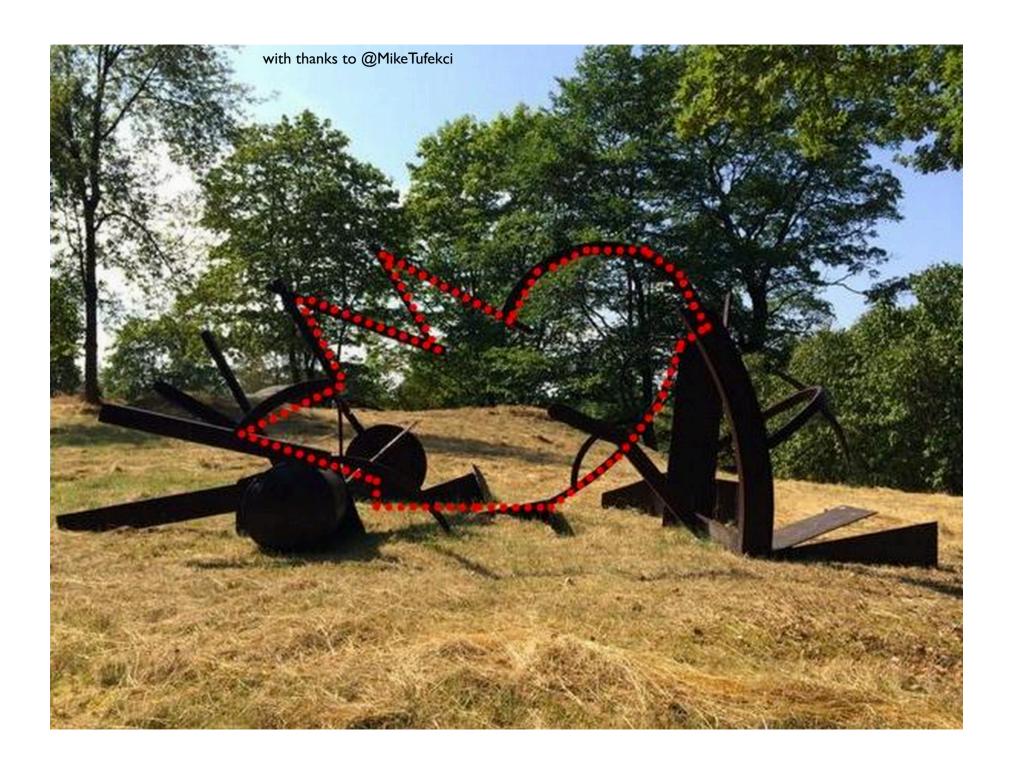
attention likes things that are **novel**

http://work.eriksoderberg.se



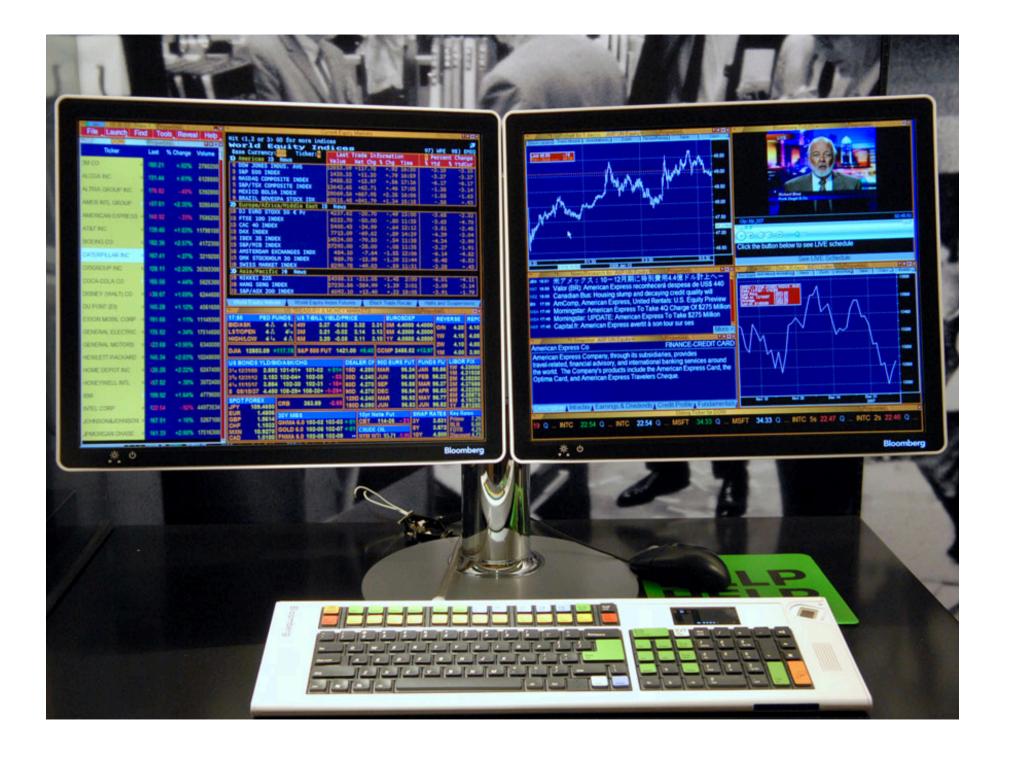
attention likes things that are **salient**





TOP FLOOR 17. Lobby BASEMENT IN CASE OF EMERGENCY Alarm PRESS ALARMBUTTON FOR 5 SECONDS PLEASE WAIT KONE

the more calls to action. the more attention is split





ideo.org



when everything is novel then everything is an attentional target



Three Characteristics of Great Website Design Title





You were searching for "characteristics great website". See posts relating to your search >

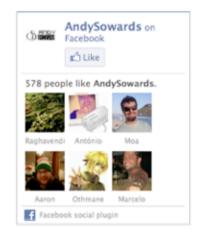


> Tweet < 0

article starts somewhere down there

+1 < 0





Sponsors



Popular Posts

40+ FREE Logo PSD's from Shahoonie com

RETRIEVE

DOCUMENTS

OUTBOUND

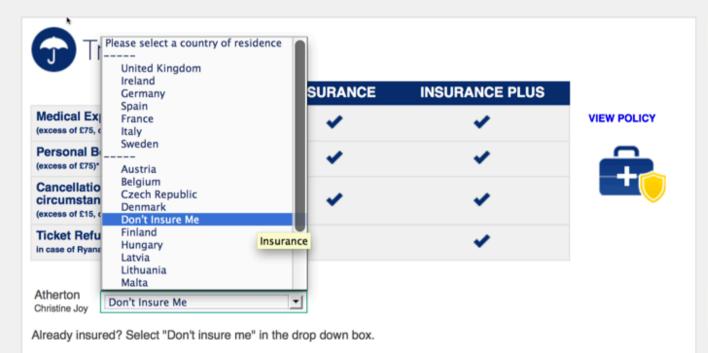
RETURN

ADD SERVICES

PAYMENT

CONFIRM CHECK-IN

BOARDING PASS



BOOKING SUMMA

- ► Passenger(s)
- Wed, 04 Jun 2014 18:25 21:45
- ▶ 1 Adult, 49.99 GBP
- Krakow → London (Sta Fri, 06 Jun 2014 18:40 - 20:00
- ▶ 1 Adult, 42.99 GBP
- ▼ Payments -94.84 GBP

1 x 94.84 GBP

▼ Fees 1.86 GBP

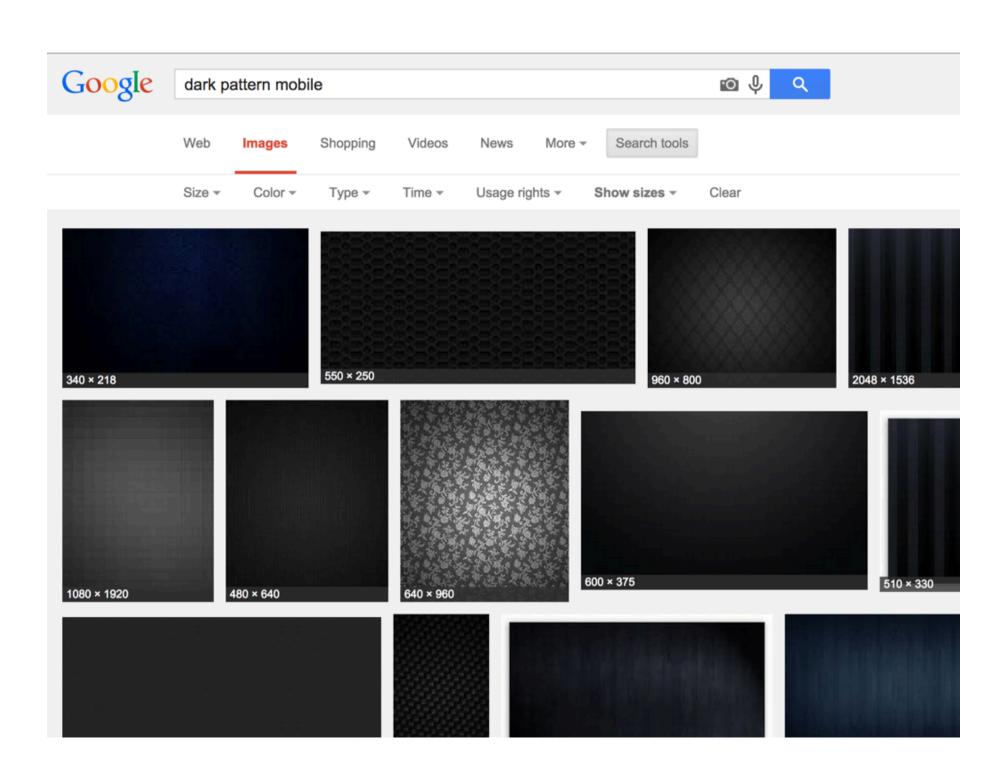
Credit Card Fee:

TOTAL

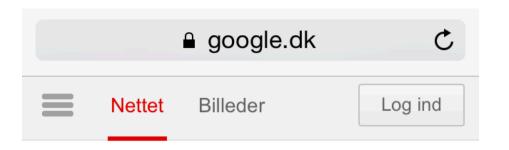


- Buy now, save money
- ✓ Buy up to 2 check-in bags



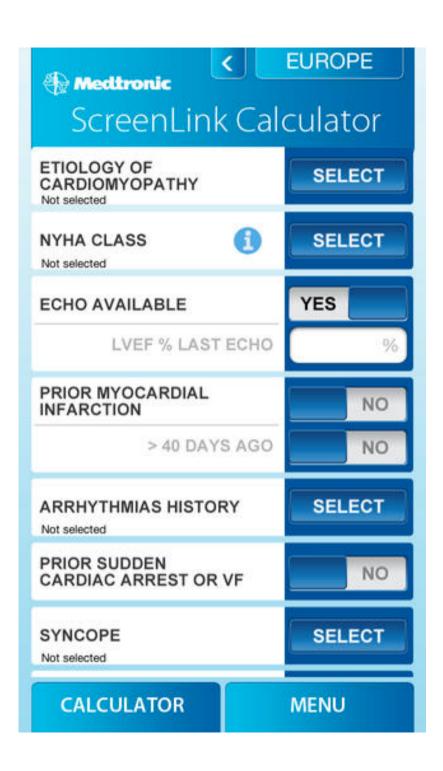


as simple as possible but no simpler





Q



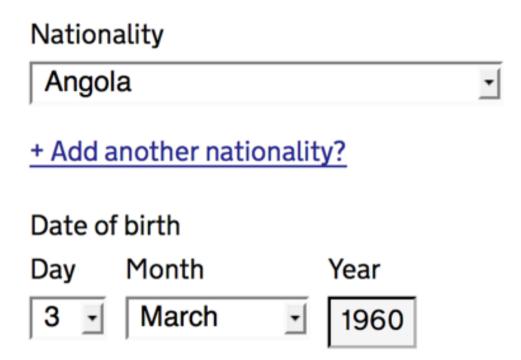
failures of UI are often failures of attention management



michaelbach.de

inattentional blindness

Your nationality and date of birth



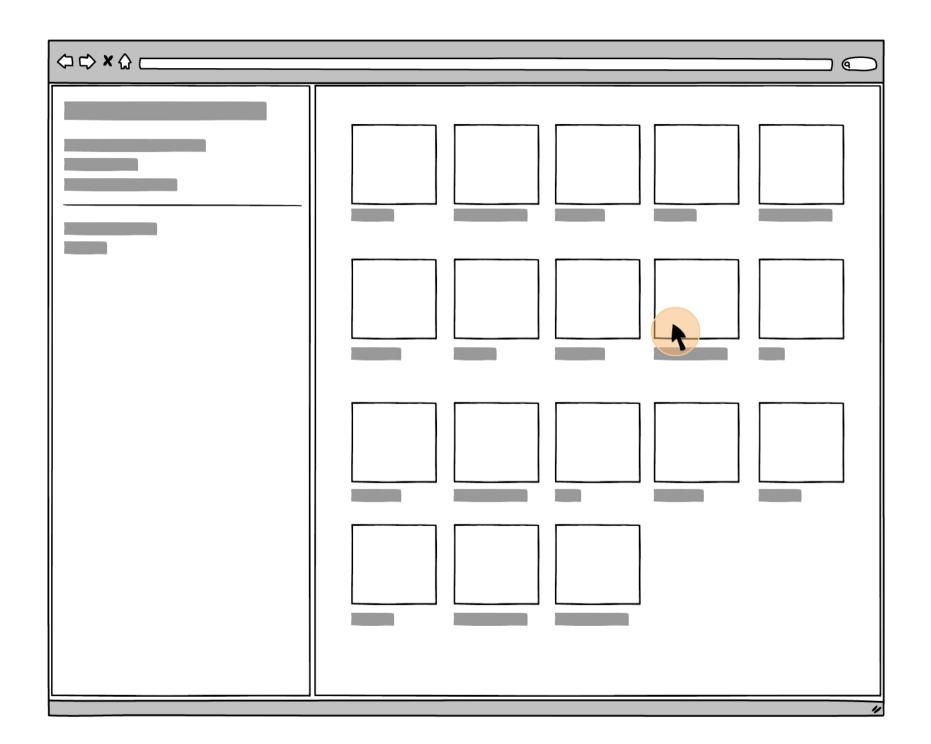
Save and continue

Return to this application later



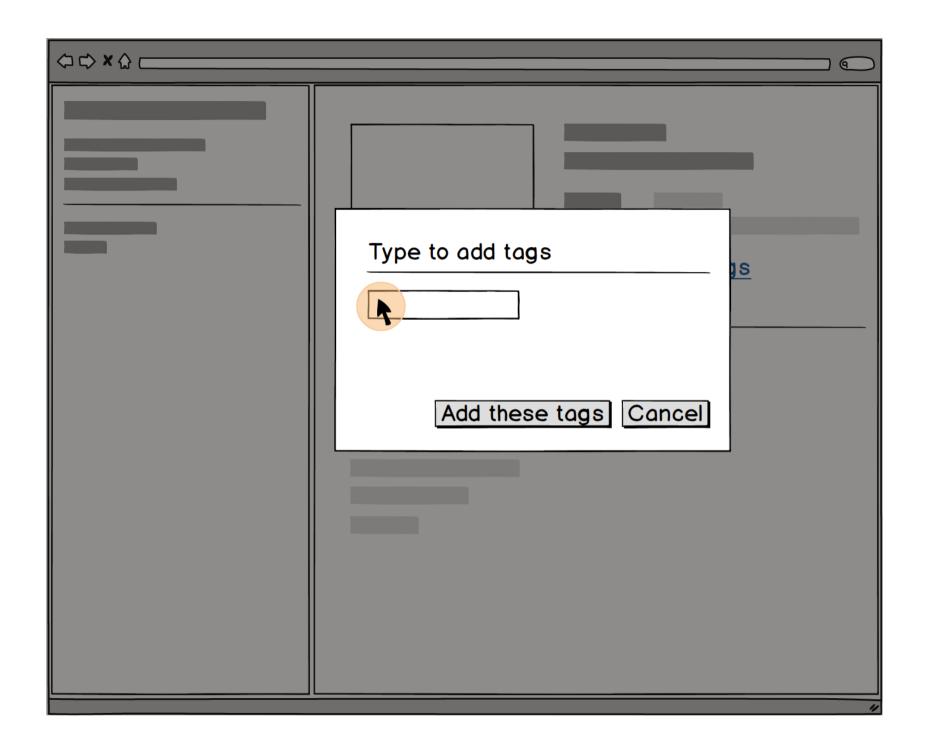
mobile attention is often brief

change blindness















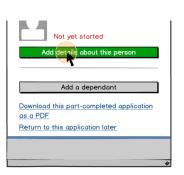
the good news: mobile screen size limits the amount of **stuff**

mobile-first: "mobile forces you to focus"

- Luke Wroblewski















out dependants if vith you

is ember 1955

lit answers

npleted application

ion later

3 of 7: Application

Application

as a PDF

included in the application.

Answer questions about each person

Lead applicant

Bob Harris

Not yet started

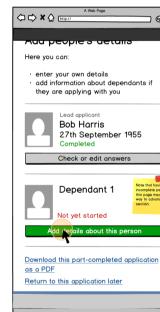
27th September 1955

Answer questions about this person

Download this part-completed application

Return to this application later

Either continue to next section ... or add another dependant.



Adding dependant's details







wers

Option 1: everything flows in one long page





Option 2: box everything up, show current person's info only

Your appointment

Where to go

You must go to your appointment to finish your visa application. Your appointment is at:

10:30 AM on 23 July, 2014

Room 1501-D, Deep-blue Plaza, 203# Zhaohui Road, Xiacheng District Zhejiang Province Hangzhou CHINA

(!) You must be at your appointment on time. If you cannot attend at the time you have booked, you should rebook your appointment. If it is less than 24 hours until your appointment, you will not be able to rebook.

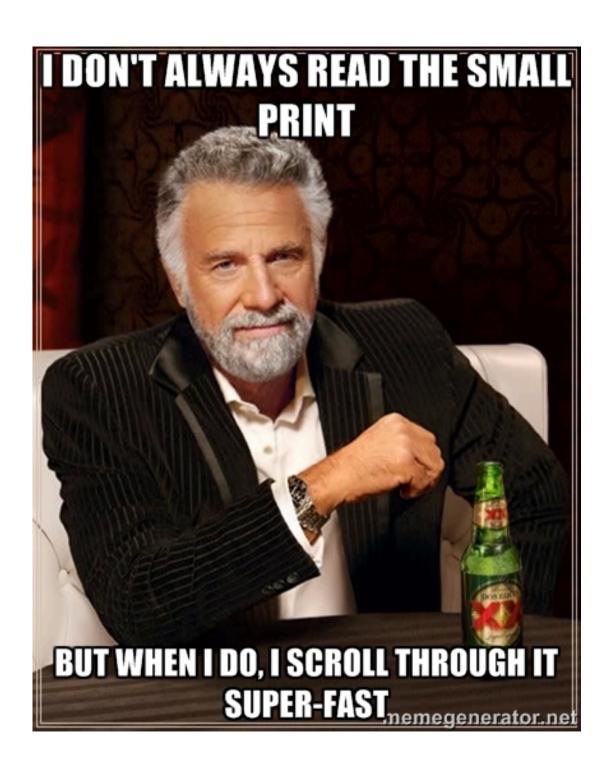
What to take to your appointment

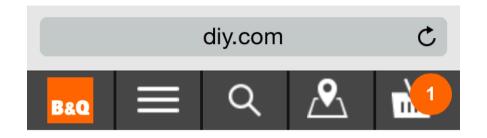
- your passport (we need to keep this until we make a decision on your application)
- · a passport-sized photograph
- · any supporting documents
- · your printed checklist
- · your printed application form

At your appointment

Your appointment will last about \$DURATION. Your photograph and fingerprints will be taken, unless you are less than 5 years old.

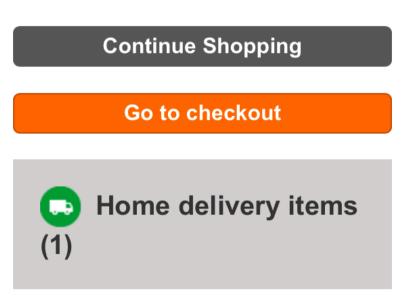
You can buy extra services for your appointment, such as translations photocopying





My Basket

You have 1 item in your basket





5 of 6: Documents

Show all steps

Download your documents

Documents for your application

You must print these and take them to your appointment.



■ Download checklist



↓ Download completed application form

Schengen visa

If you would like to visit other countries in Europe, you can download a part-completed Schengen form. You can use this to apply for a Schengen visa.



↓ Download part- completed Schengen form

(!) Do not bring the Schengen form to your appointment. The form explains how to apply.

Continue to next section

is people's attention really getting shorter?

The Telegraph



HOME » TECHNOLOGY » TWITTER

Facebook 'enhances intelligence' but Twitter 'diminishes it', claims psychologist

Spending time on the Facebook networking site could enhance a key element of intelligence that is vital to success in life, a psychologist has claimed, but using Twitter may have the opposite effect.





By Lucy Cockcroft 7:00AM BST 07 Sep 2009

Playing video war games and solving Sudoku may have the same effect as keeping up to date with Facebook, according to Dr Tracy Alloway.



But text messaging, micro-blogging on "Twitter" and watching YouTube were all likely to weaken "working memory".

Working memory involves the ability both to remember information and to





Facebook and internet 'can rewire your brain and shorten attention span'

By FIONA MACRAE UPDATED: 08:33, 15 September 2010









An obsession with computer games and social networking sites may be changing the way people's minds work, one of the country's most eminent brain scientists has warned.

The Oxford University expert believes constant computer and internet use may be 'rewiring the brain', shortening attention spans, encouraging instant gratification and causing a loss of empathy.

Susan Greenfield said: 'For me, this is almost as important as climate change.

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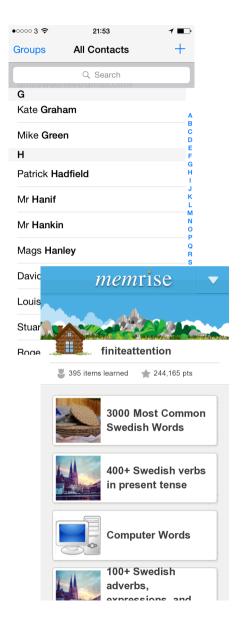
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Nicholas Carr:

My next book, <u>The Shallows: What the Internet Is Doing to Our Brains</u>, argues that the tools we use to think with – our "intellectual technologies" – not only shape our habits of thought but exert an actual physical influence on the neurons and synapses in our brains.

Nicholas Carr:

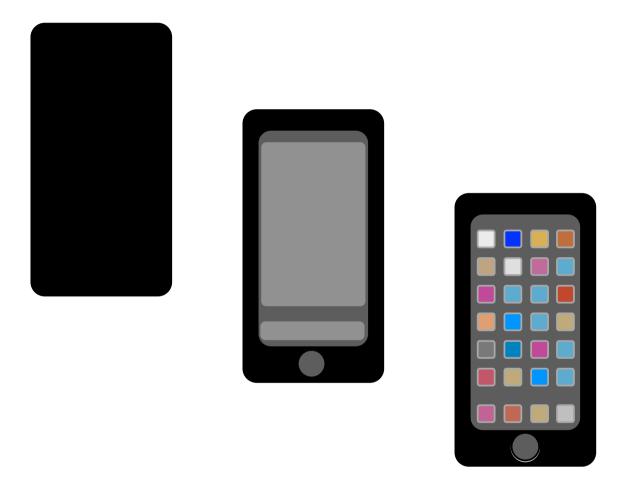
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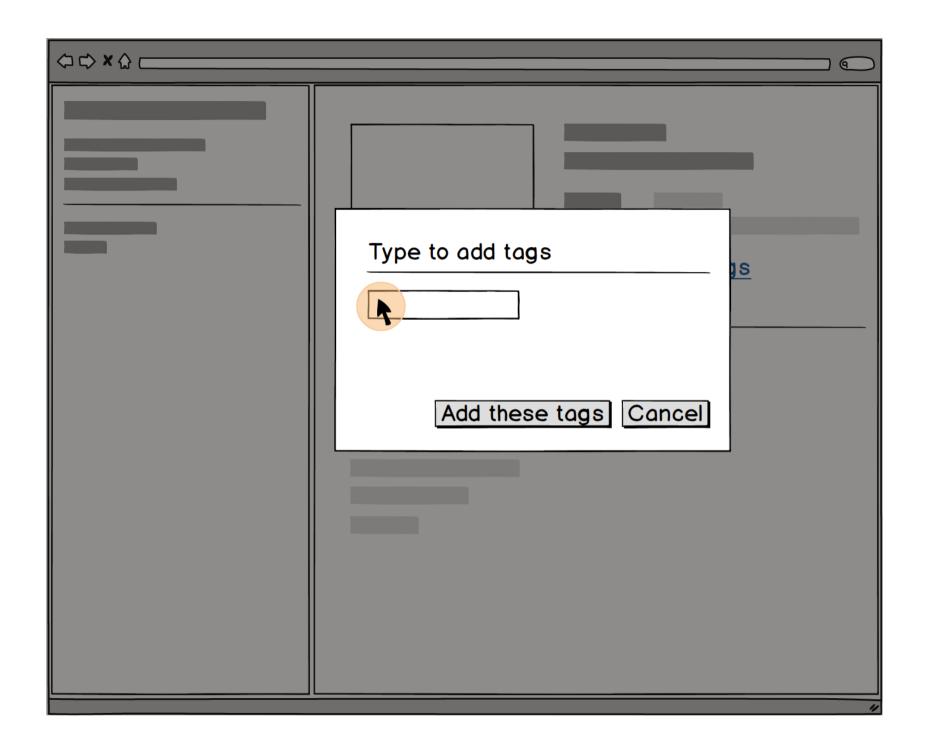


so in summary:

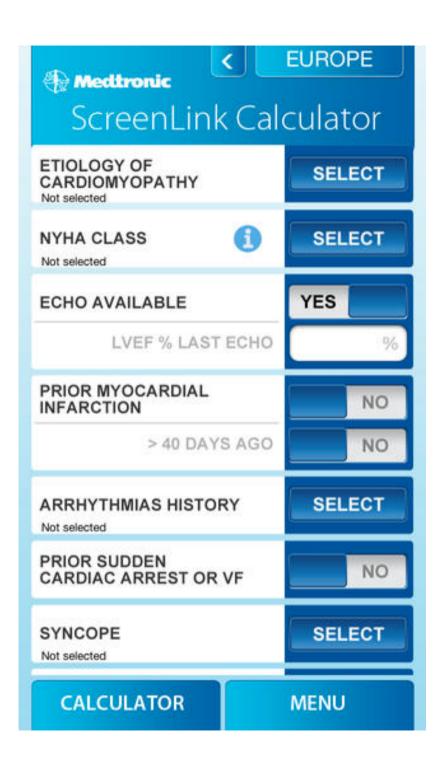








use mobile-first; be ruthless





Thank you:)

finiteattention@gmail.com

@finiteattention