

Interaktionsdesign

- hvordan designer vi it-systemer,
så de bliver nemme at bruge for
brugerne?



- og så vi undgår...



Interaktionsdesign

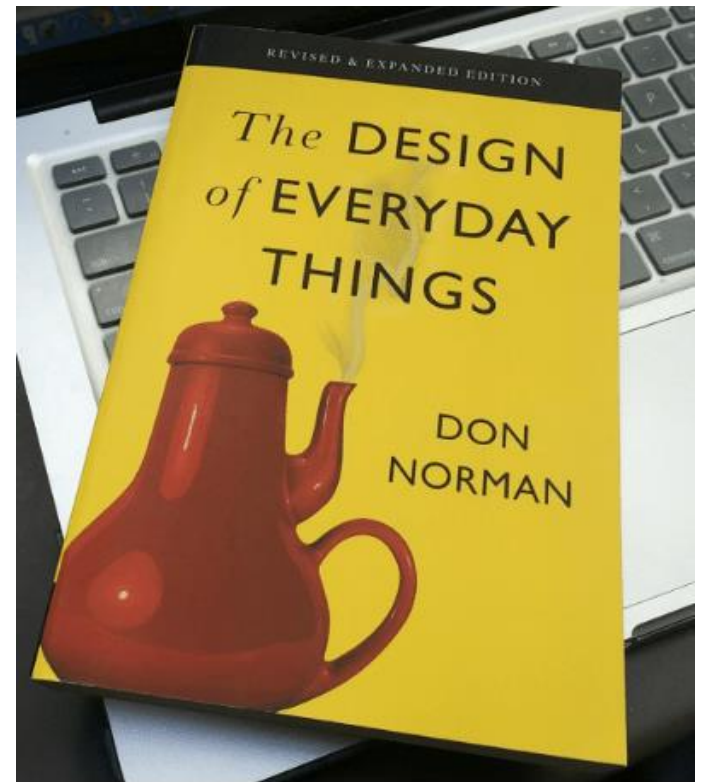
Don Normans designprincipper

Gestaltlovene

Farver

Don Normans designprincipper

- Hvad kendetegner godt design, og hvad kendetegner dårligt design?



Don Normans

6 designprincipper

Visibility

Constraints

Affordance

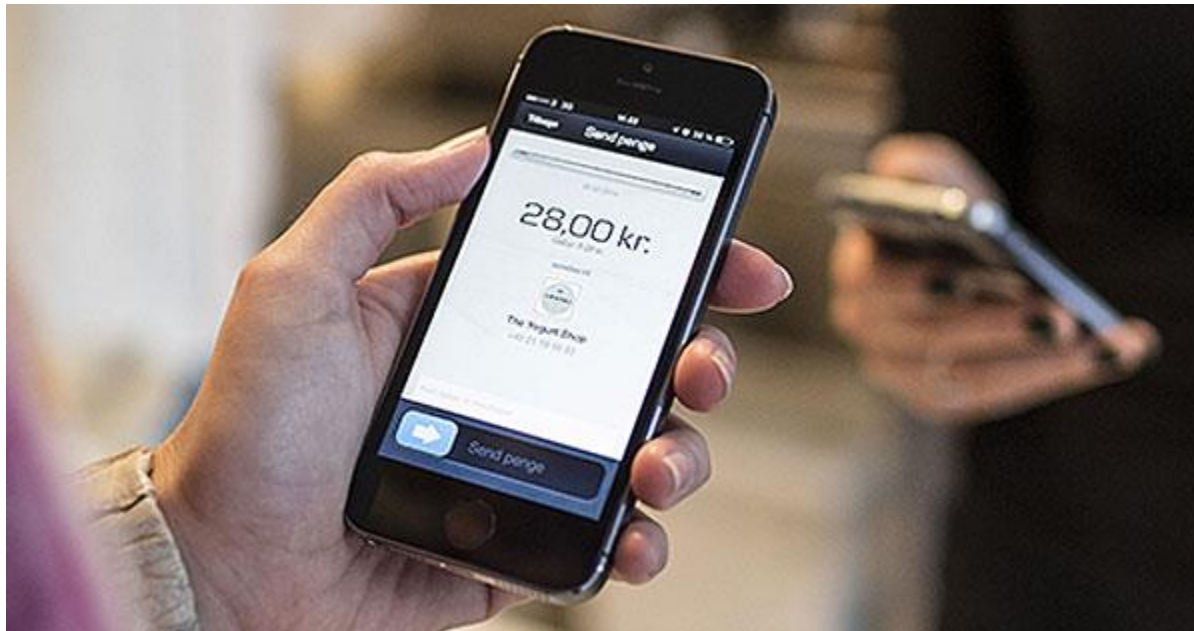
Mapping

Consistency

Feedback

Visibility

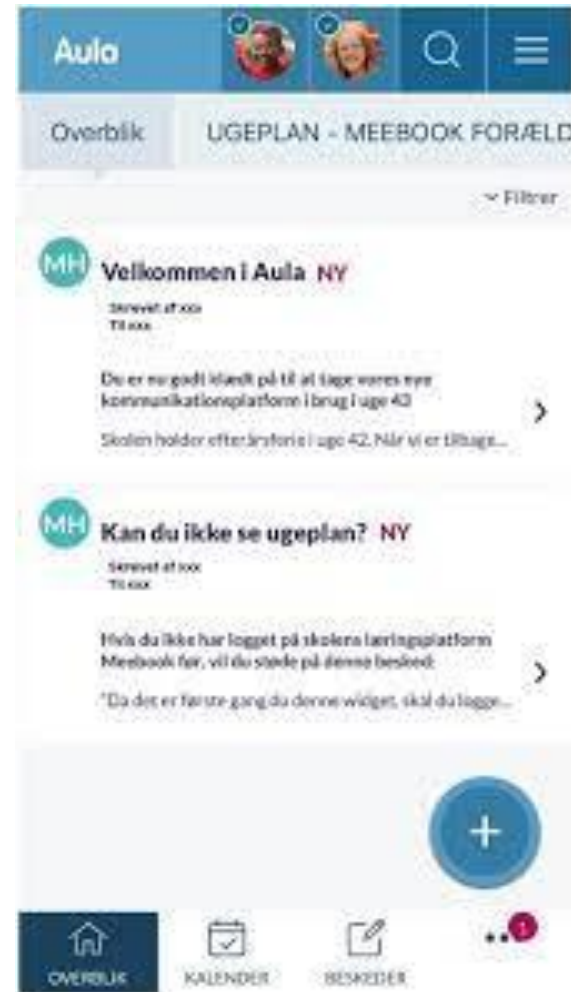
- Hvis det er nemt at få øje på, er der større chance for, at det vil blive opdaget og brugt



Visibility – når det ikke bliver brugt

- AULA

Hvor indberetter
jeg
fravær/sygdom?



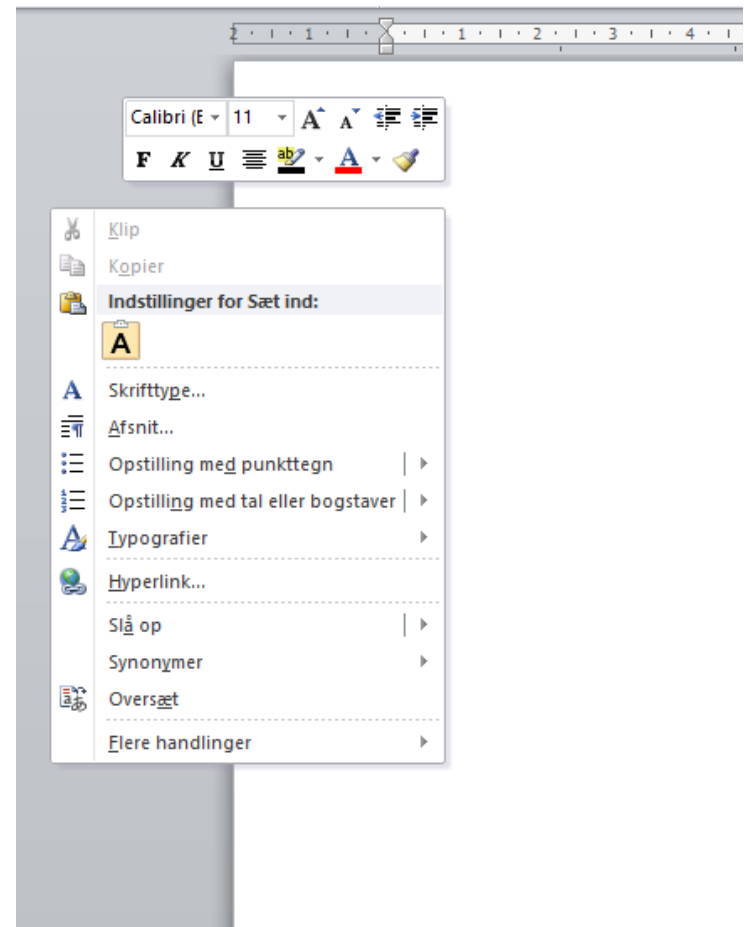
Constraints

- KISS: Keep It Simple, Stupid!
- Begræns mulighederne

Hvad kan man gøre?

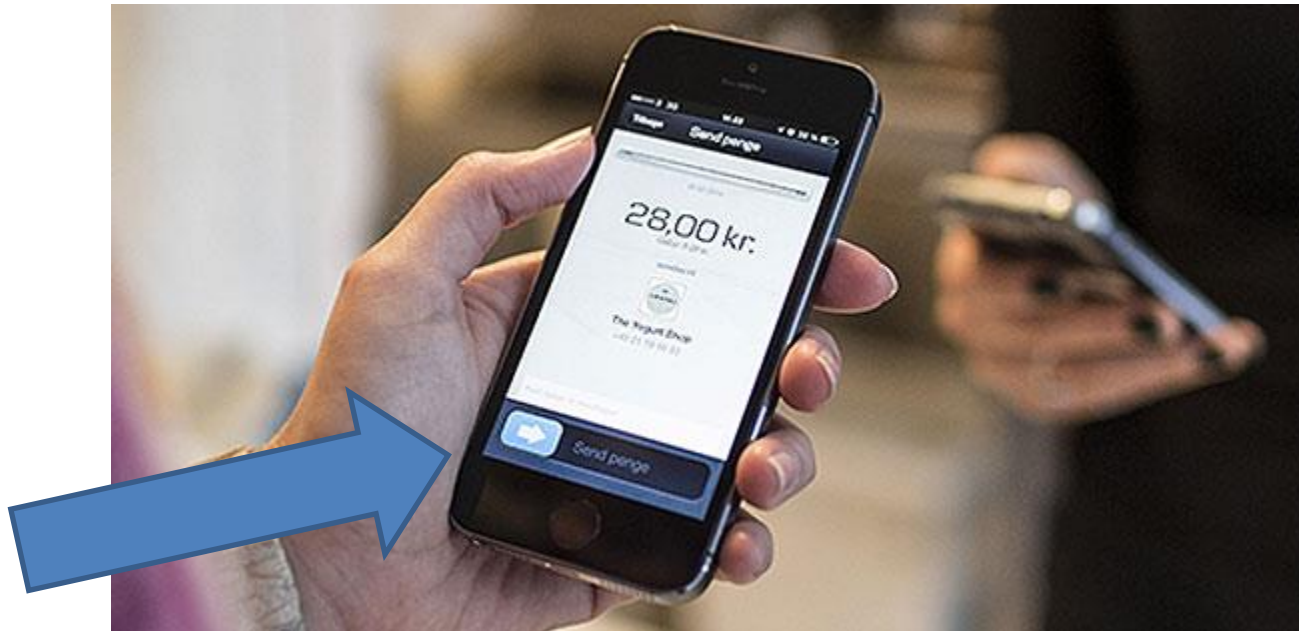
Hvad kan man ikke gøre?

Tomt dokument i
Word – højre klik



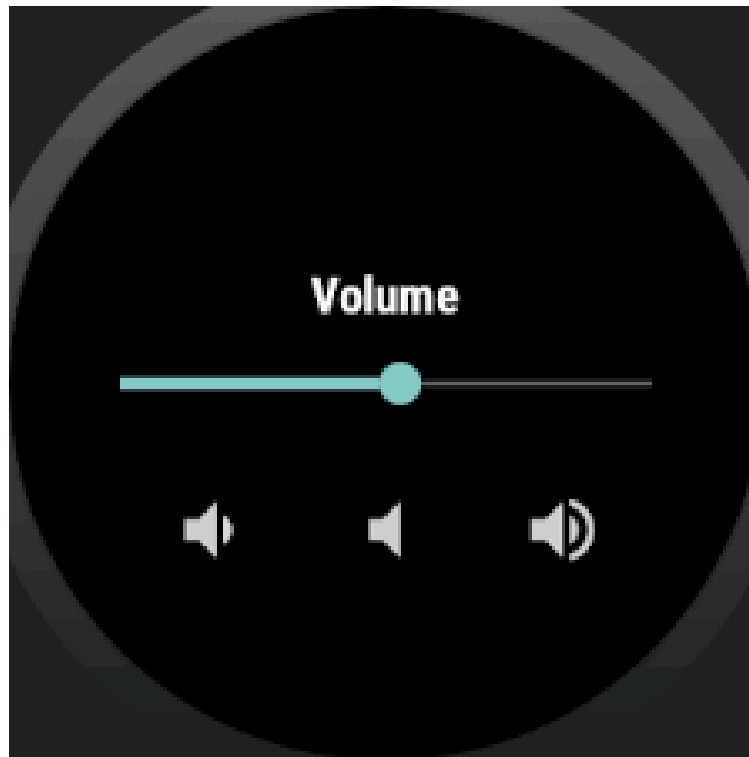
Affordance

- God affordance: det er nemt at se, hvad produktet kan bruges til



Mapping

- Sammenhængen mellem det vi gør, og effekten af det vi gør



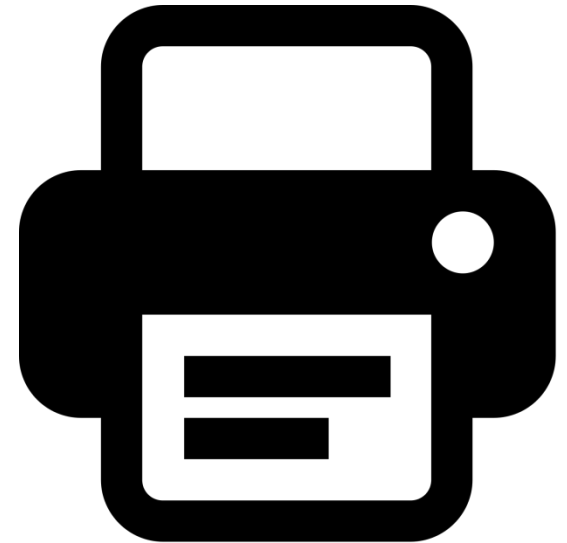
Mapping

- Håndbremse på bil



Consistency

- Konsistens – lad tingene være som de plejer at være (både internt og eksternt)



Ekstern konsistens

Floppy disk

- Kender I sådan en her...?



Consistency

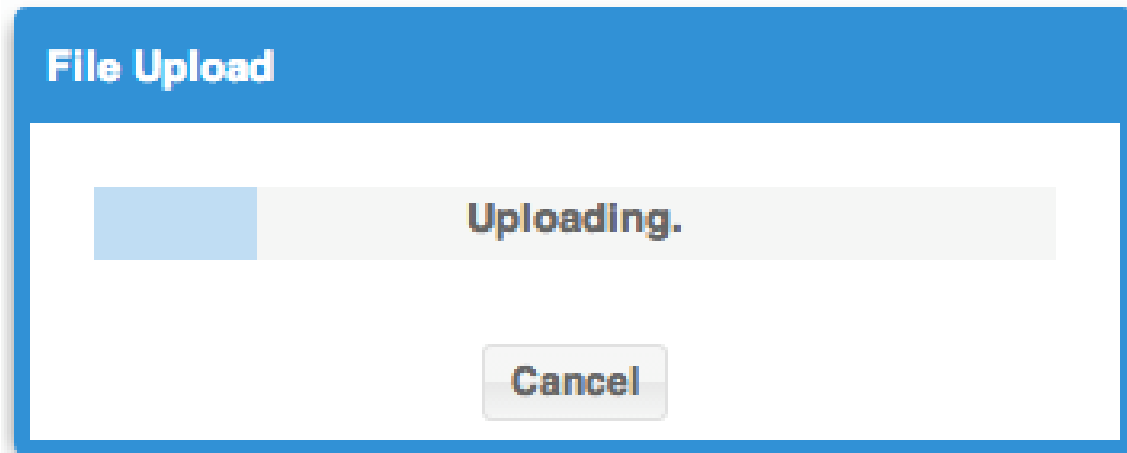


- Hvis man har brug for en OK-knap så vælg det samme design på alle sider.

Intern konsistens

Feedback

- Giv brugeren feedback



Feedback



Men hvad sker der, hvis vi ikke kender vores plads i køen?

- Gå ind på din yndlings webside og find eksempler på anvendelsen af Don Normans designprincipper
- Åbn din "MyApp" - kan du finde eksempler, hvor principperne ikke er anvendt (indsæt gerne eksempler i logbogen)?

A hand is shown writing the word "Opgaver" in white chalk on a green chalkboard. The word is written in a cursive, handwritten style. The hand is holding a piece of white chalk and is in the process of finishing the letter 'r'. The background is a solid green chalkboard surface.

Opsamling



Gestaltlovene

Nærhed

Lighed

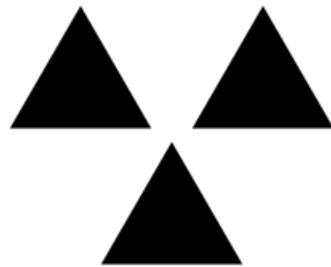
Lukkethed

Forbundethed

Figur/baggrund

Nærhed

- Når noget er tæt på hinanden, bliver det opfattet, som om det hører sammen



Eksempel - Nærhed



Online Booking

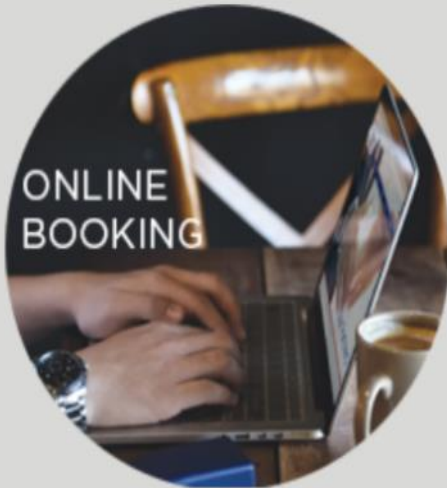
[Learn More](#)



Cruises

[Learn More](#)

Eksempel - Nærhed



Online Booking

[Learn More](#)



Cruises

[Learn More](#)

Lighed

- Når noget ligner hinanden, bliver det opfattet, som om det hører sammen



Eksempel - Lighed

We have Planniversary packages for every kind of Postpaid user.

HEAVY DATA USER FLEXIBLE MAXIMIZER

Get FREE phones with your plans under the Handset Package!

All data plans come with FREE handsets.

GIGA Plans (Available for retention only)

	Monthly LTE Data Allocation	All Net *SMS	All Net* Call Allocation	Additional App Data	FREE Smartphone
9	2 GB		30 mins		 Samsung Galaxy J2 Prime (30-mos)
9	3.5 GB		40 mins		 Samsung Galaxy J2 Prime (30-mos)
				1 FREE	

Can be perceived as external link instead of a tab, due to lack of similarity

Eksempel - Lighed

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Get FREE phones with your plans under the Handset Package!

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GIGA Plans (Available for retention only)					
Plans	Monthly LTE Data Allocation	All Net *SMS	All Net* Call Allocation	Additional App Data	FREE Smartphone
A 399	2 GB		30 mins		 Samsung Galaxy J2 Prim (30-mos)
A 799	3.5 GB		40 mins		 Samsung Galaxy J2 Prim (30-mos)
				1 FREE	

- Changing it to green to create similarity which will help in perceiving that both data has a relationship

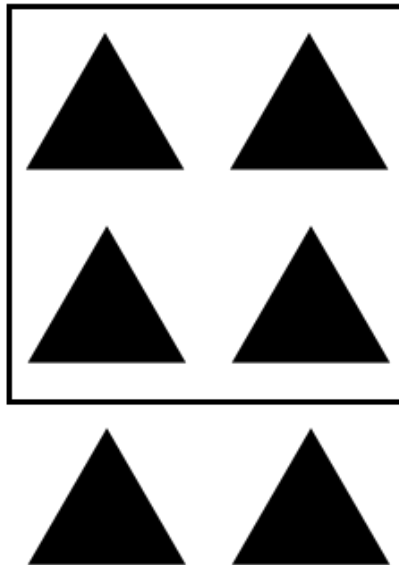
Nærhed og lighed

– hvilke grupper ser du?



Lukkethed

- Når noget står i samme ramme, bliver det opfattet, som om det hører sammen



Eksempel - lukkethed



HBO
P149



Disney
P129

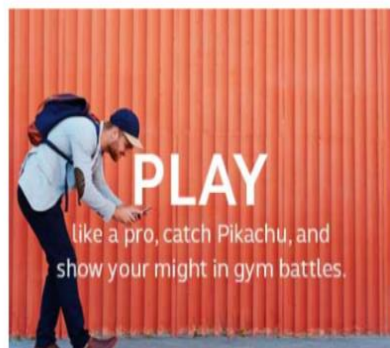


Netflix*
P460

*FREE Netflix for six (6) months for Plans 999 and up



Spotify Premium
P129



Pokémon GO
p99



Facebook Messenger
p99



Viber
p99

Features (Spotify, Netflix etc) isn't grouped well with its respective category

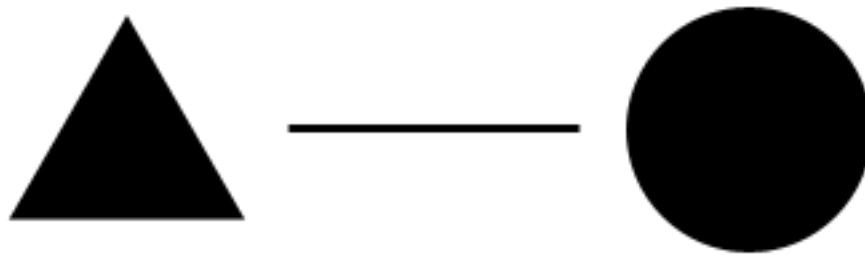
Eksempel - lukkethed



Added border lines to enclose the related features to their category.

Forbundethed

- Når noget er forbundet, bliver det opfattet, som om det hører sammen



Eksempel - forbundethed

REJSEPLANEN

Find en rejse Afgangstavler

Rejs: i Danmark

A Fra Afgang i dag 13:20

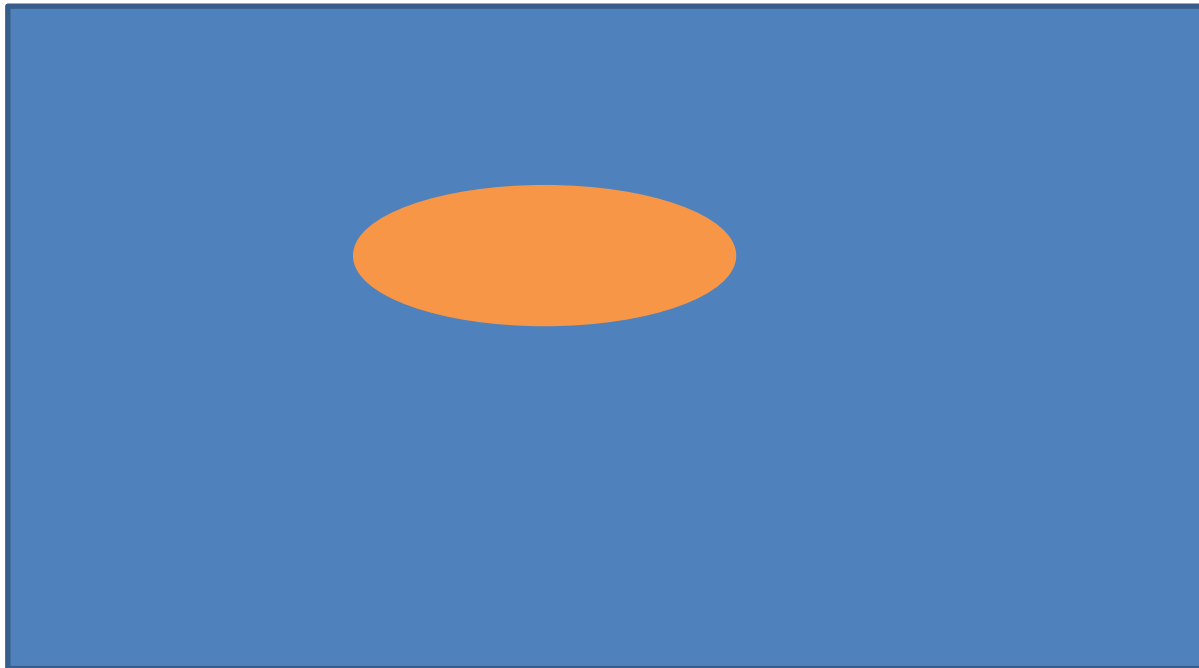
B Til Tilpas søgning

Find

Bemærk, at loven om forbundethed
her ophæver loven om nærhed

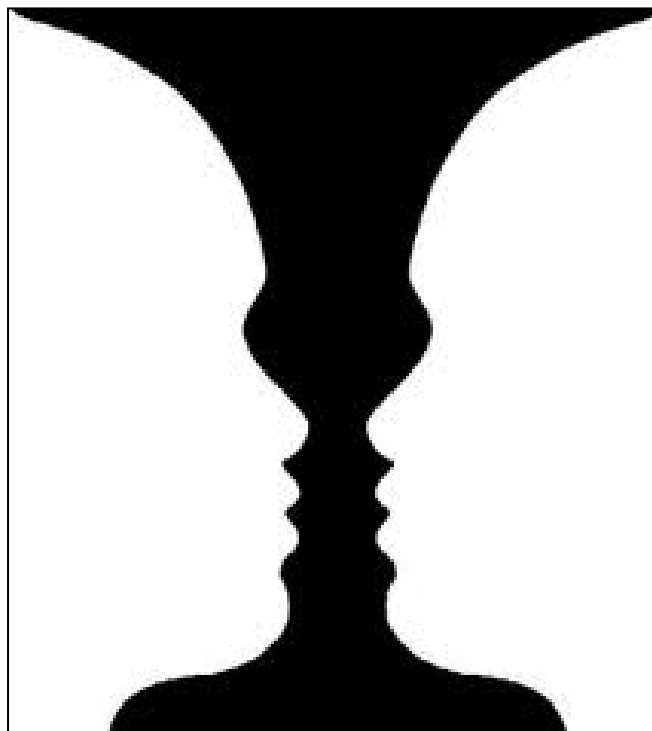
Figur og baggrund

- Den mindste figur på en flade opfattes som vigtigst og vil blive opfattet først. Den største flade opfattes som baggrund.



Eksempel - figur og baggrund

- Hvad er figur og hvad er baggrund?
- Hvorfor er det svært at skelne?



Figur og baggrund – hvad er hvad?

The screenshot displays the HavenWorks.com website interface. At the top, a navigation bar includes links for [HavenWorks.com](#), [A-Z](#), [Search](#), and [News by Date](#). Below this is a large alphabetical index: [A](#) - [B](#) - [C](#) - [D](#) - [E](#) - [F](#) - [G](#) - [H](#) - [I](#) - [J](#) - [K](#) - [L](#) - [M](#) - [N](#) - [O](#) - [P](#) - [Q](#) - [R](#) - [S](#) - [T](#) - [U](#) - [V](#) - [W](#).

The main header features the **HavenWorks.com** logo, the date **Monday, 9 August 2010**, and a **CALENDAR** link. A search bar with the Google logo and a **GO** button is present, along with radio buttons for **HavenWorks** and **Web**, and a **+2008 News / Blog** link. A **TV Online** section on the right contains icons for various media services.

Below the header, there are two main news sections: **Democratic News:** and **Republican News:**. The Democratic section includes a **2010 TV:** link and a row of small portraits of political figures. The Republican section features a link to **Atwater Politics** and another row of portraits. A yellow banner below these sections reads **Two Santa Clauses or How The Republican Party Has Conned Am**.

The bottom of the page is divided into several columns. The left column has a **News Topics** sidebar with an **A-Z** index and a **Weblog** section. The middle column is titled **DEM 2010 TV** and includes links for **OBAMA TV**, **WHITE HOUSE TV**, and **'News' Media Politics**, featuring a photo of Jay Rosen and Glenn Greenwald. The right column is titled **U. S. A.** and includes links for **20090330**, **Politics**, **John McCain**, **Government**, **Money**, **Accounting**, **Arizona**, and a headline: **"Despite McCain's Comments, Senate GOP Not Offering Detailed Budget."** with a sub-headline: **"On Thursday, House Republicans did wind up offering the frame of an alternative budget -- but then they were widely panned for not releasing**

Fra dengang hvor vi lavede selvtests hele tiden...!

egrensning.

usikker på

i henhold til
e trin som

du oplever
gene fra de

G

G

G

G

11

3 dråber

15-20 min

FØRTOLKNING AF TESTRESULTATER

Positiv prøve:
Hvis der inden for 15-20 minutt
testresultatet validt og positivt.
Advarsel: Resultatet skal bet
udelukker ikke en koinfektion

Negativ prøve:
Hvis der inden for 15-20 minutt
negativt. Et negativt resultat ud
diagnostiske metoder i tilfælde

Inkonklusiv (ikke-valid) prøve
Hvis der ikke vises nogen farve
med en ny testkassette.

Positiv

Negativ

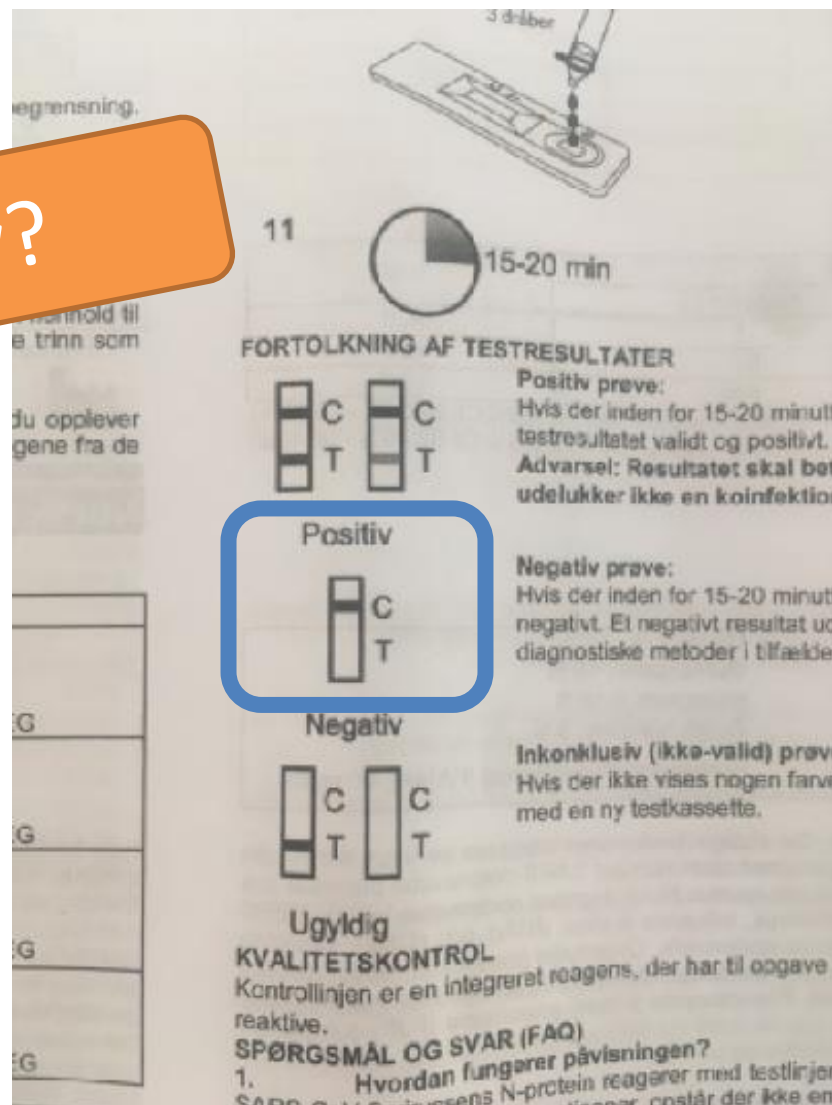
Ugyldig

KVALITETSKONTROL
Kontrollinjen er en integreret reagens, der har til opgave
reaktive.

SPØRGSMÅL OG SVAR (FAQ)
1. Hvordan fungerer påvisningen?
SARS-CoV-2-virusens N-protein reagerer med testlinjen. Hvis testlinjen reagerer, består der ikke en

Fra dengang hvor vi lavede selvtests hele tiden...!

Positiv?



Fra dengang hvor vi lavede selvtests hele tiden...!

Negativ?

11

15-20 min

FORTOLKNING AF TESTRESULTATER

Positiv prøve:
Hvis der inden for 15-20 minutt
testresultatet validt og positivt.
Advarsel: Resultatet skal bet
udelukker ikke en koinfektion

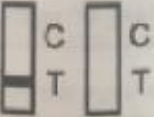
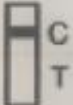
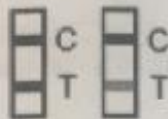
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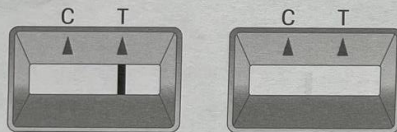
SPØRGSMÅL OG SVAR (FAQ)
Hvordan fungerer påvisningen?
SARS-CoV-2 virusens N-protein reagerer med testlinjen
testlinjen, består der ikke en



Alternativt design

4 Interpreting results

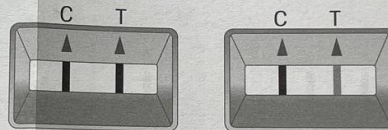
Invalid test result



1. If a control line (C) is not visible, the result must be considered invalid.
The test is not working correctly and you should perform another test using a different test kit.

You may have performed the test incorrectly. Carefully read the Instructions for Use and repeat the test. If your test result is still invalid, please contact your doctor or a COVID-19 test center.

Positive test result

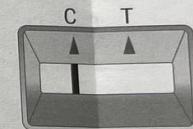


2. If a test line (T) is visible together with a control line (C), this means that the result is positive.

Look carefully at the result: The test should be considered positive if two lines are visible - even if they are faint.

A positive test result means it is very likely that you have COVID-19. Please contact your doctor/primary care physician or your local health authority immediately and adhere to the local guidelines regarding self-isolation. Your doctor may require you to undergo a PCR test to confirm the result.

Negative test result



3. If a control line (C) is visible (regardless of how faint it is) and the test line (T) is not visible, this means that the result is negative. It is unlikely that you have COVID-19.

However, even if your test is negative, continue to observe symptoms and follow hygiene and safety measures.

If you suspect that you have an infection (i.e., if you have prolonged symptoms or if your symptoms are worsening), contact your doctor/primary care physician. You may have another infection, or your test result may be false. You may repeat the test after 1-2 days, as COVID-19 cannot be detected with accuracy during all stages of an infection.

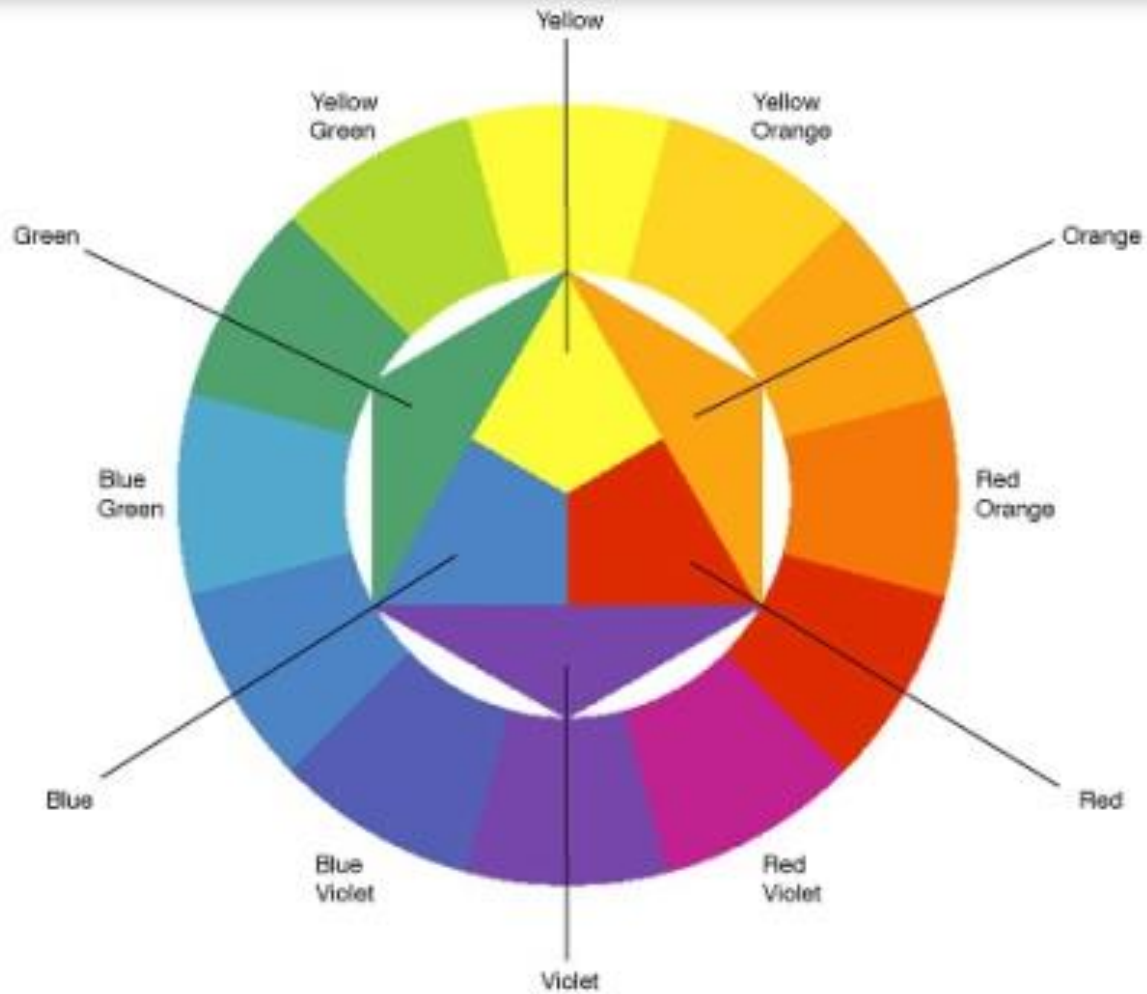
- Gå ind på din yndlings webside og find eksempler på anvendelsen af Gestaltlovene
- Åbn din "MyApp" - kan du finde eksempler, hvor Gestaltlovene ikke er anvendt (indsæt gerne eksempler i logbogen)?

A hand is shown writing the word "Opgaver" in white chalk on a green chalkboard. The word is written in a cursive, handwritten style. The hand is positioned on the right side of the frame, holding the chalk and completing the letter 'r'. The background is a solid green chalkboard surface.

Opsamling



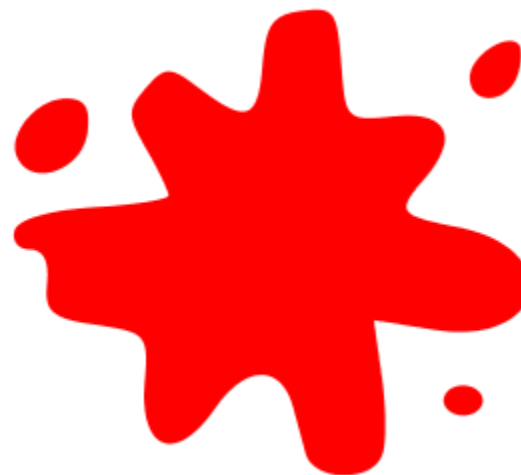
Farver



Farvernes associationer

fra INFORMATIK C

- Rød
 - Dynamik og aktivitet
 - Varm, hektisk, ophidsende, fare, krig, blod, kærlighed



Farvernes associationer

fra INFORMATIK C

- Orange
 - Optimisme og livsglæde
 - Neutral farve



Farvernes associationer

fra INFORMATIK C

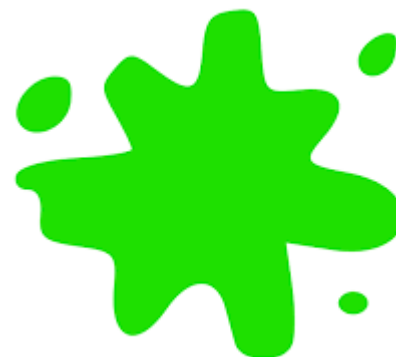
- Gul
 - Advarsel, solens farve, den stærke kontrastfarve, opmærksomhed, glæde



Farvernes associationer

fra INFORMATIK C

- Grøn
 - Ro, balance, vækst, planterigets farve (organisk indtryk), håb, beroligende



Farvernes associationer

fra INFORMATIK C

- Blå
 - Kvalitet, kontrol, seriøsitet, klinisk, professionel, troværdig



Farvernes associationer

fra INFORMATIK C

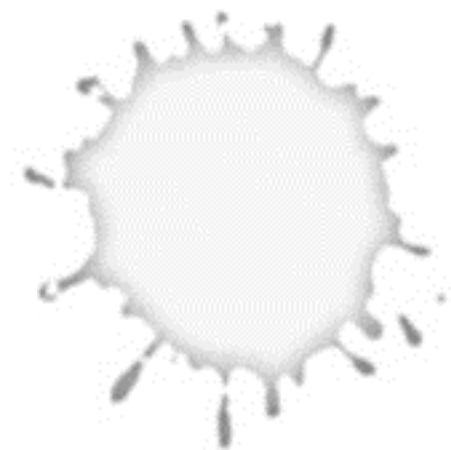
- Sort
 - Alvor, stramhed, død, uheld, ond, oprør, men også erotik og elegance



Farvernes associationer

fra INFORMATIK C

- Hvid
 - Uskyld, renhed, begyndelse, ro, det gode (ikke ond)
 - Hvid skaber rum



REGION NORDJYLLAND
– i gode hænder