Háskólinn í Reykjavík

Greining og hönnun hugbúnaðar
Kennari: Marta Kristín Lárusdóttir

Greining og hönnun hugbúnaðar
Problem Solving Assignment 5

22.09.2024
Haustönn

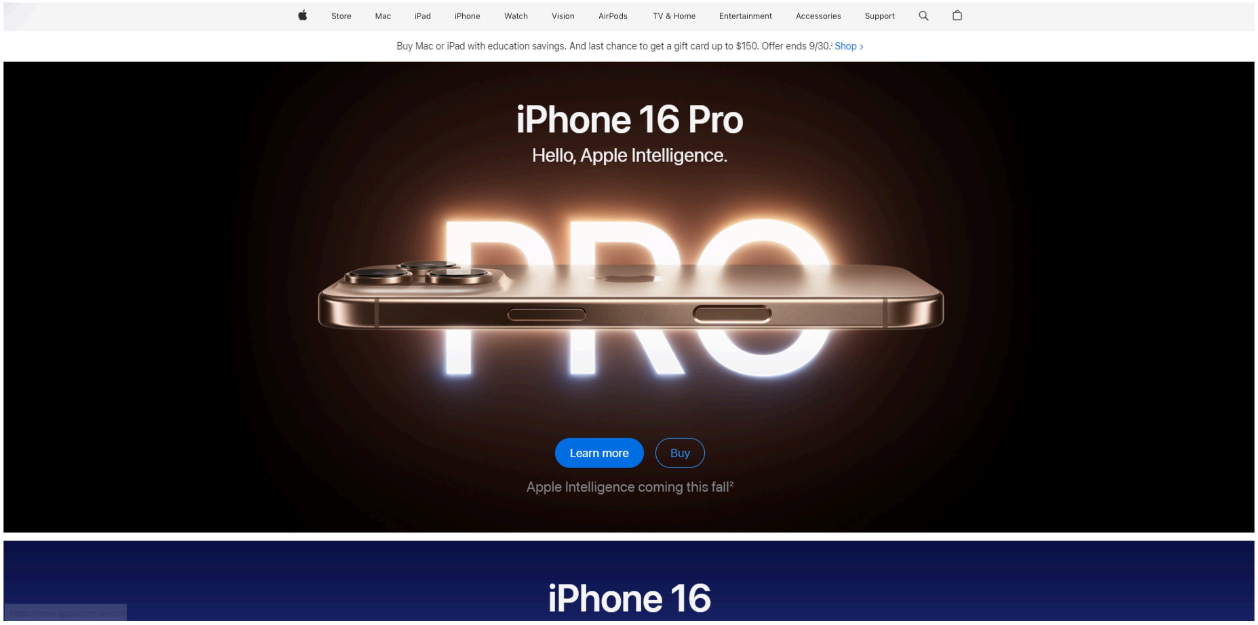
Bjarni Hrafnkelsson

Visibility

The first design guideline we’re going to explore is Visibility. Visibility is about showing the user what is available within the software. It means to have the most used features easily accessible. Think about why the user is on a particular page and show him the options he would like. If necessary options or information is hidden can lead to confusion for the user about what he should do.

Apple

A website that does this well is the Apple.com website. They have recognized that users that visit their website are most likely looking for their most recent product. Consequently, their most recent product is the first thing on their page with an option to buy. Going further down there are other products. If you´re looking for a specific option, they´re all displayed at the bar at the top, although not very flattering, you can find every product and their features without scrolling or thinking much about it.



Buy Mac or iPad with education savings. And last chance to get a gift card up to $150. Offer ends 9/30.[‡] Shop ›

iPhone 16 Pro

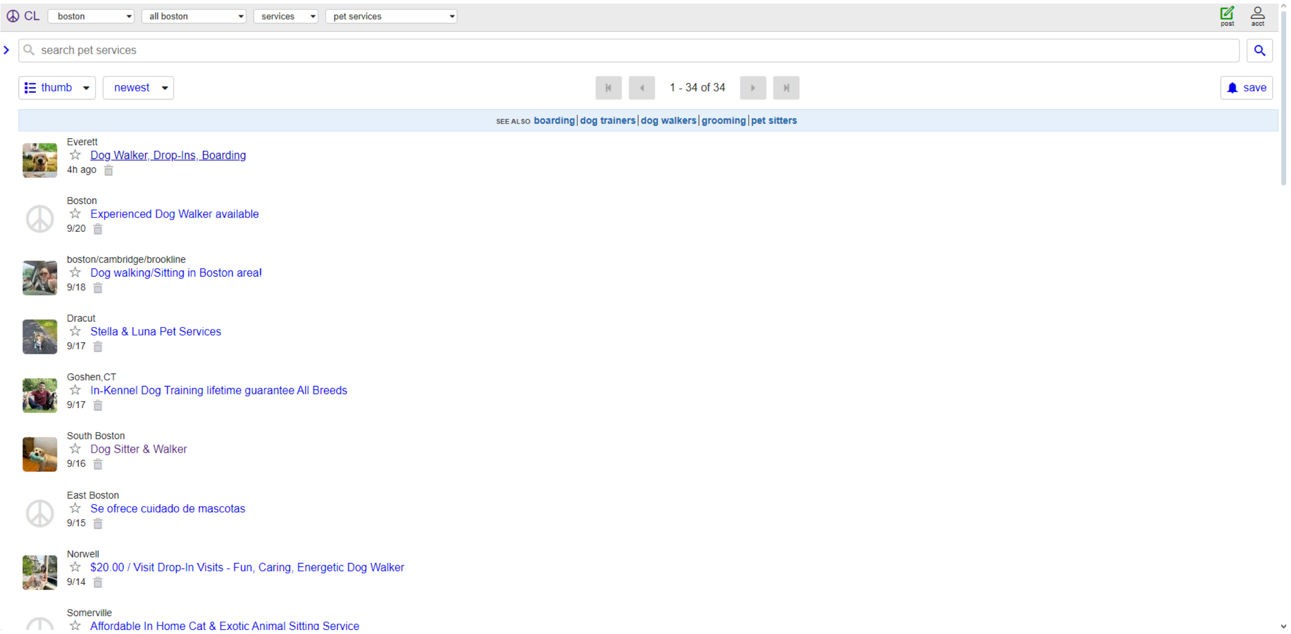
Hello, Apple Intelligence.

Apple Intelligence coming this fall[2]

iPhone 16

Craigslist

Craigslist is an example of a website that does not implement this very well. To start off, the website itself is not very appealing. It is only made of links that are blue and don´t fit into the theme of the website. The front page does not make it easy for the user to navigate. It has a lot of text and although they have split them into categories, they are very broad or ultra specific. Making the website a lot to read at the start.



SEE ALSO boarding | dog trainers | dog walkers | grooming | pet sitters

Everett
☆ Dog Walker, Drop-Ins, Boarding
4h ago

Boston
☆ Experienced Dog Walker available
9/20

boston/cambridge/brookline
☆ Dog walking/Sitting in Boston area!
9/18

Dracut
☆ Stella & Luna Pet Services
9/17

Goshen,CT
☆ In-Kennel Dog Training lifetime guarantee All Breeds
9/17

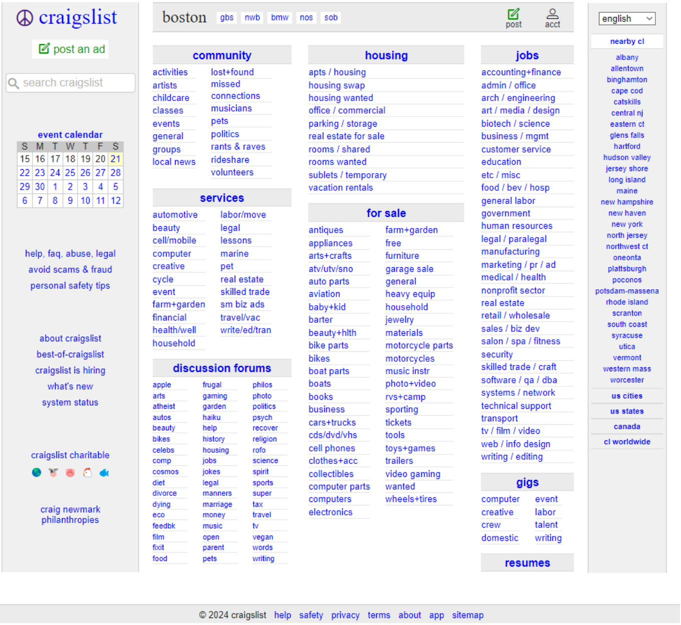
South Boston
☆ Dog Sitter & Walker
9/16

East Boston
☆ Se ofrece cuidado de mascotas
9/15

Norwell
☆ $20.00 / Visit Drop-In Visits - Fun, Caring, Energetic Dog Walker
9/14

Somerville
☆ Affordable In Home Cat & Exotic Animal Sitting Service

When going into a category, very little information is shown. You can see the title that people set and a number that is not explained, f.x. 18/20, 4/9.
Users browsing for f.x. Possible dog sitters will have to click on every link and browse every profile since there is little to none information without going to every link.
Additionally, for people looking for something that is not on the front page, it will be very tricky if you don't know the exact keywords to be looking for.



event calendar

S	M	T	W	T	F	S
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12

help, faq, abuse, legal
avoid scams & fraud
personal safety tips

about craigslist
best-of-craigslist
craigslist is hiring
what's new
system status

craigslist charitable

craig newmark
philanthropies

community

activities
artists
childcare
classes
events
general
groups
local news
lost+found
missed
connections
musicians
pets
politics
rants & raves
rideshare
volunteers

services

automotive
beauty
cell/mobile
computer
creative
cycle
event
farm+garden
financial
health/well
household
labor/move
legal
lessons
marine
pet
real estate
skilled trade
sm biz ads
travel/vac
write/ed/tran

discussion forums

apple
arts
atheist
autos
beauty
bikes
celebs
comp
cosmos
diet
divorce
dying
eco
feedbk
film
fixit
food
frugal
gaming
garden
haiku
help
history
housing
jobs
jokes
legal
manners
marriage
money
music
open
parent
pets
philos
photo
politics
psych
recover
religion
rofo
science
spirit
sports
super
tax
travel
tv
vegan
words
writing

housing

apts / housing
housing swap
housing wanted
office / commercial
parking / storage
real estate for sale
rooms / shared
rooms wanted
sublets / temporary
vacation rentals

for sale

antiques
appliances
arts+crafts
atv/utv/sno
auto parts
aviation
baby+kid
barter
beauty+hlth
bike parts
bikes
boat parts
boats
books
business
cars+trucks
cds/dvd/vhs
cell phones
clothes+acc
collectibles
computer parts
computers
electronics
farm+garden
free
furniture
garage sale
general
heavy equip
household
jewelry
materials
motorcycle parts
motorcycles
music instr
photo+video
rvs+camp
sporting
tickets
tools
toys+games
trailers
video gaming
wanted
wheels+tires

jobs

accounting+finance
admin / office
arch / engineering
art / media / design
biotech / science
business / mgmt
customer service
education
etc / misc
food / bev / hosp
general labor
government
human resources
legal / paralegal
manufacturing
marketing / pr / ad
medical / health
nonprofit sector
real estate
retail / wholesale
sales / biz dev
salon / spa / fitness
security
skilled trade / craft
software / qa / dba
systems / network
technical support
transport
tv / film / video
web / info design
writing / editing

gigs

computer
creative
crew
domestic
event
labor
talent
writing

resumes

nearby cl

albany
allentown
binghamton
cape cod
catskills
central nj
eastern ct
glens falls
hartford
hudson valley
jersey shore
long island
maine
new hampshire
new haven
new york
north jersey
northwest ct
oneonta
plattsburgh
poconos
potsdam-massena
rhode island
scranton
south coast
syracuse
utica
vermont
western mass
worcester

us cities
us states
canada
cl worldwide

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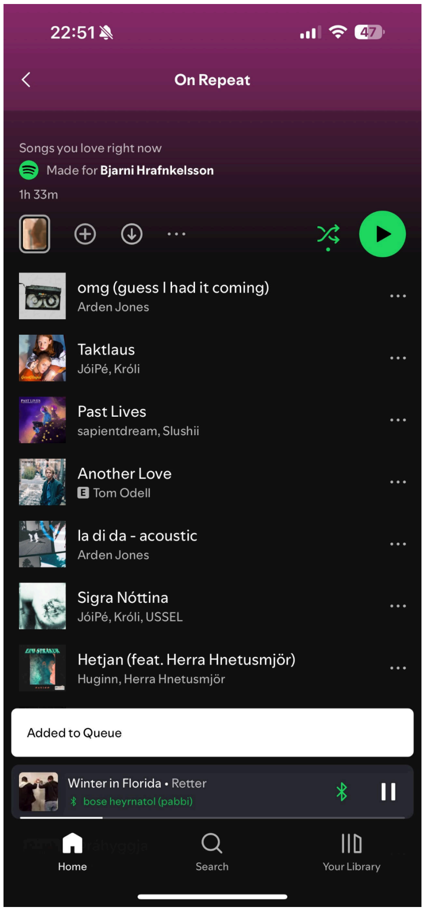
Feedback

Feedback is letting the user know when their input is received. Accomplishing that can be as simple as a button changing color when pressed. When the user doesn't know when their inputs have been received can lead to them pressing the same button multiple times, unsure of if their request has gone through.

Spotify

One example of a good feedback design is Spotify. They've implemented this very well. When skipping a song, the name of the song will swipe to the left as you slide across the screen, signifying that you're skipping that song and the name of the song that will play is shown, before you take your finger off the screen. Furthermore, when adding a song to the queue, you will get a little notification at the bottom of your screen saying that the song has been added to the queue. Everything inside that app makes it clear to you that it's receiving your input.



22:51

47

On Repeat

Songs you love right now

Made for **Bjarni Hrafnkelsson**

1h 33m

omg (guess I had it coming)
Arden Jones

Taktlaus
JóiPé, Króli

Past Lives
sapientdream, Slushii

Another Love
E Tom Odell

la di da - acoustic
Arden Jones

Sigra Nóttina
JóiPé, Króli, USSEL

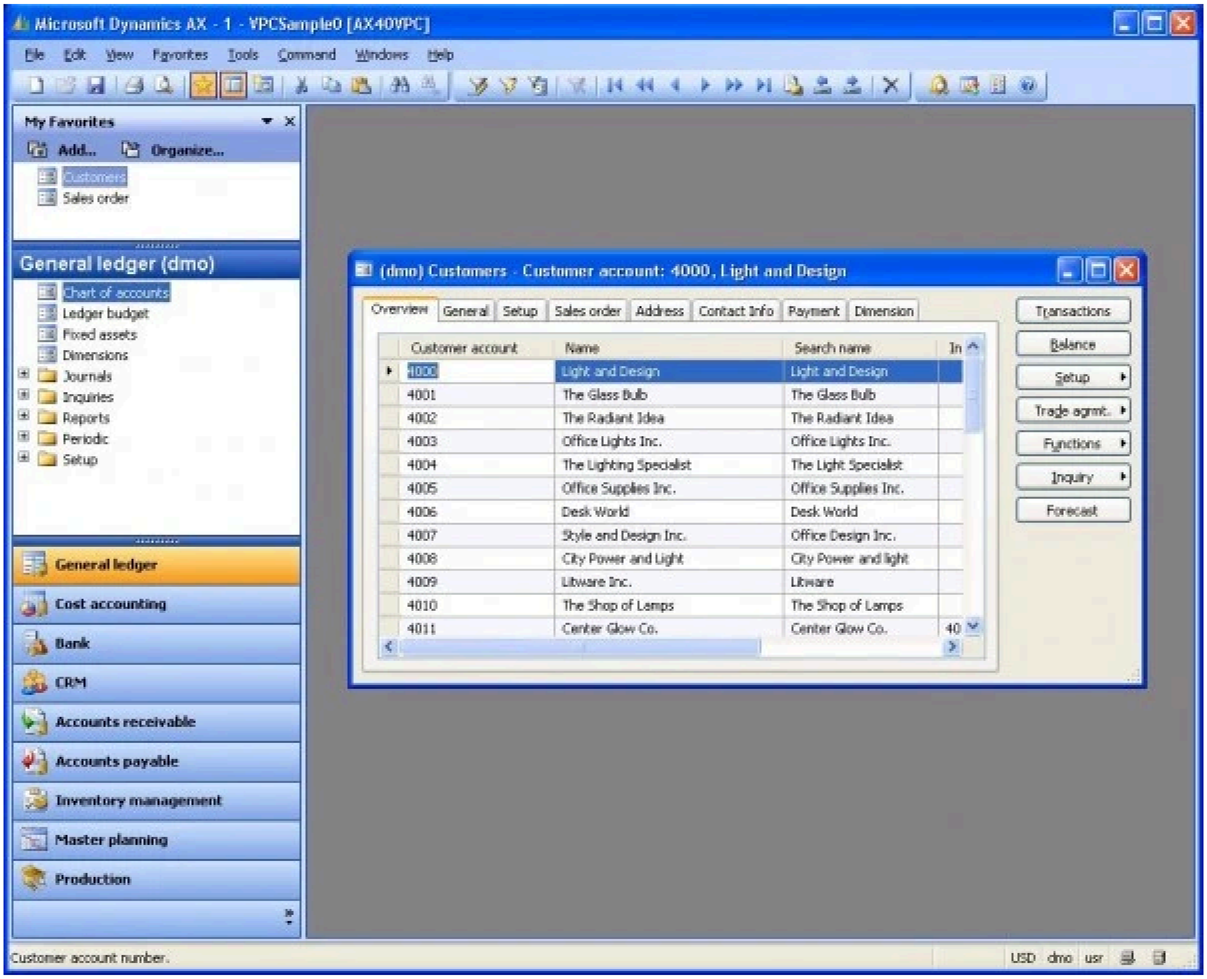
Hetjan (feat. Herra Hnetusmjör)
Huginn, Herra Hnetusmjör

Added to Queue

Winter in Florida • Retter
bose heyrnatol (pabbi)

Axapta

Axapta is a program that has zero to none feedback in their design. I have experience with this program through work and it has been a pain to use. But for the feedback section, it is very minimal. Specifically, when moving items between stores, there is no confirmation of when you have submitted your transfer request, and when it finishes the request, which can take a while, it does not tell you in any way. The only way to know is to see the transfer list and see if your request is still there.



Customer account	Name	Search name	In
4000	Light and Design	Light and Design	
4001	The Glass Bulb	The Glass Bulb	
4002	The Radiant Idea	The Radiant Idea	
4003	Office Lights Inc.	Office Lights Inc.	
4004	The Lighting Specialist	The Light Specialist	
4005	Office Supplies Inc.	Office Supplies Inc.	
4006	Desk World	Desk World	
4007	Style and Design Inc.	Office Design Inc.	
4008	City Power and Light	City Power and light	
4009	Litware Inc.	Litware	
4010	The Shop of Lamps	The Shop of Lamps	
4011	Center Glow Co.	Center Glow Co.	40

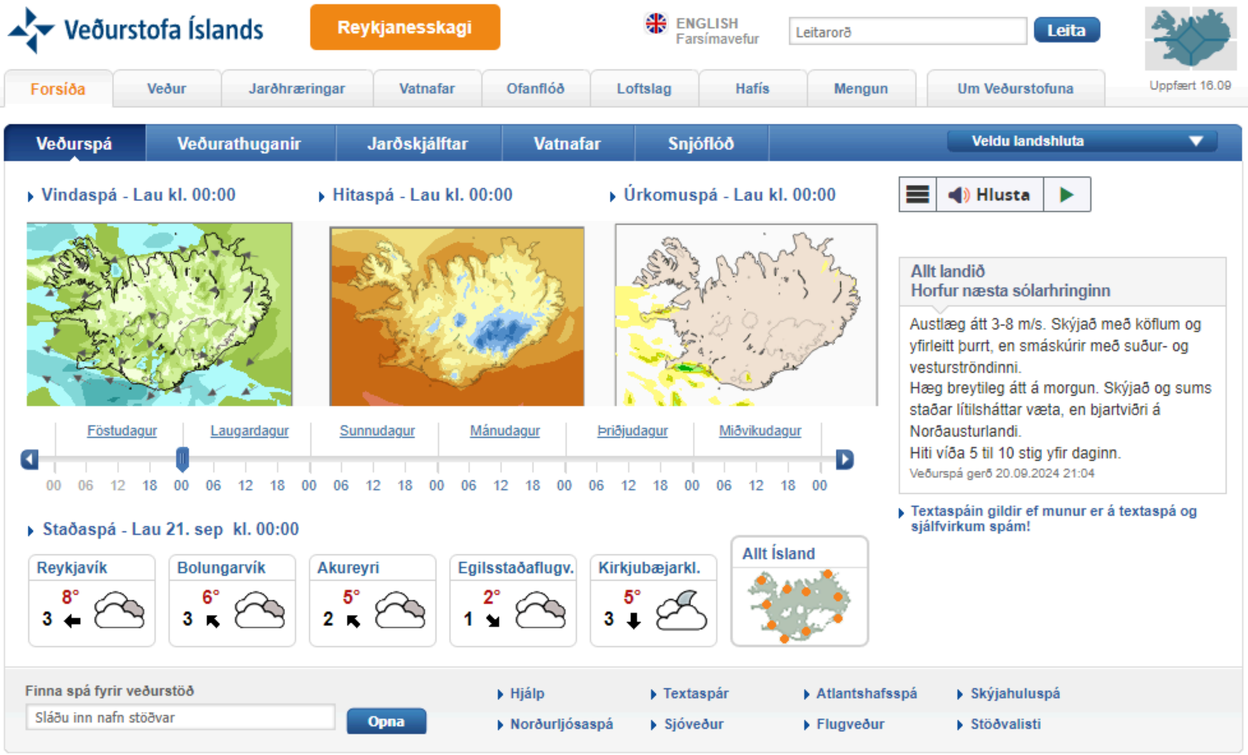
Problems that could arise from that is that because there is no confirmation that you finished processing your transfer, it happens that we do it twice or we don't know if it has already been done or not.

Constraints

Constraints are options that are not given to a user to prevent unwanted mistakes. Wanting to set an appointment and having a constraint that does not allow you to book them in the past, is an example of a good constraint.

Vedur.is

Vedur.is does this well. They can not predict the weather far into the future so instead of allowing the user to insert a date, they have made them choose a pre-selected date that they have information on. That way it is shown to the user what days are available in their database and prevents mistakes from happening.



Allt landið
Horfur næsta sólarhringinn

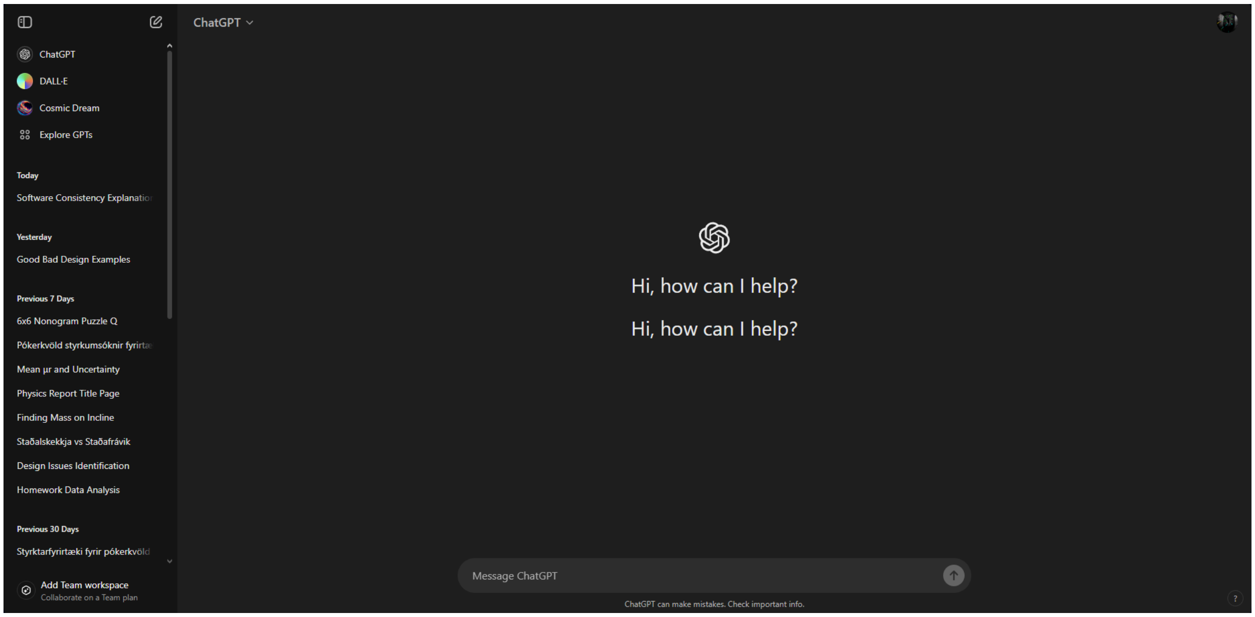
Austlæg átt 3-8 m/s. Skýjað með köflum og yfirleitt þurrt, en smáskúrir með suður- og vesturströndinni.
Hæg breytileg átt á morgun. Skýjað og sums staðar lítilsháttar væta, en bjartviðri á Norðausturlandi.
Hiti víða 5 til 10 stig yfir daginn.
Veðurspá gerð 20.09.2024 21:04

Textaspáin gildir ef munur er á textaspá og sjálfvirkum spám!

ChatGPT

Although not in the traditional sense of a constraint, I wanted to include ChatGPT. But usually an example of a bad constraint is allowing the user to do something that will lead to a mistake or an incorrect result. ChatGPT is a different example of a bad implementation of a constraint. When having an artificial intelligence for the general public it is important to make sure there are constraints to what you can ask the bot.

A popular example of how not having constraints on artificial intelligence can lead to disastrous outcomes is showing a picture of available material and asking him how you can make a bomb with those materials.



Hi, how can I help?

Hi, how can I help?

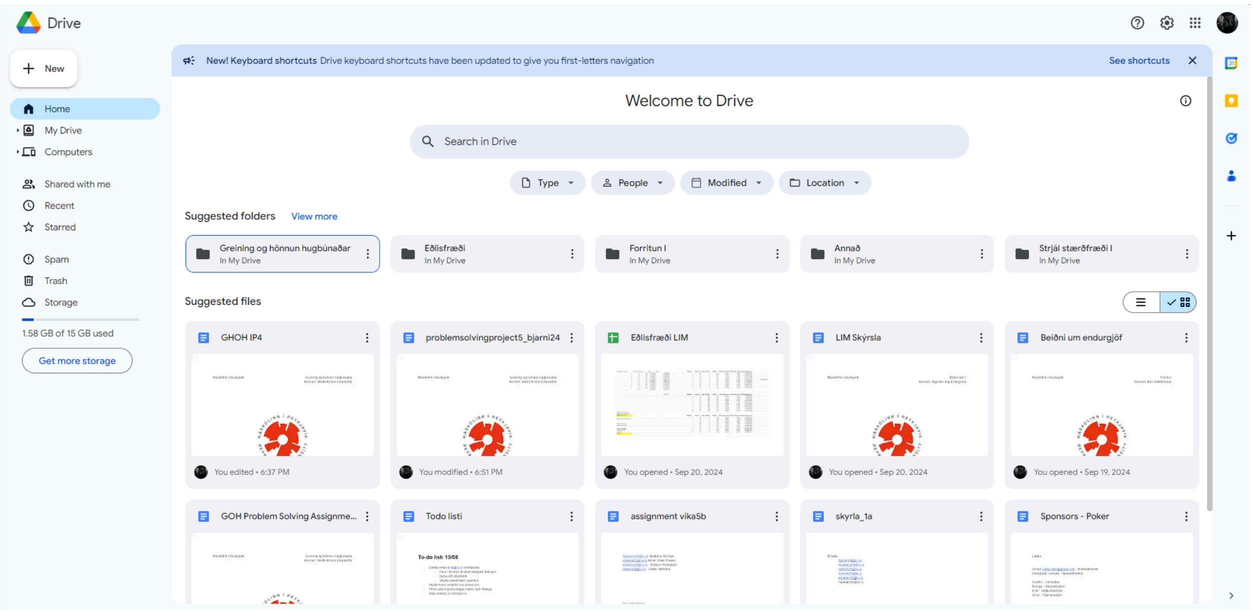
ChatGPT can make mistakes. Check important info.

Bypassing the constraints filter on this chat bot has proven to be far too simple and needs some time to improve. Not having this filter can lead to people not trusting their children or kids to use the chatbots.

Consistency

Having a seamless experience within the software, where the user feels familiar with the app from the start. Consistency is a crucial goal to accomplish. Without it, the user needs to learn how to do everything. Consistency is making it easy to navigate and communicate with the user how to do tasks without showing them and changing the execution as little as possible.

Google Drive accomplishes this very well. With no prior experience, a user is able to navigate through the software with ease. All tasks are straightforward to use and the user never has to figure out how to accomplish certain tasks.



Drive

New! Keyboard shortcuts Drive keyboard shortcuts have been updated to give you first-letters navigation

See shortcuts

Welcome to Drive

1.58 GB of 15 GB used

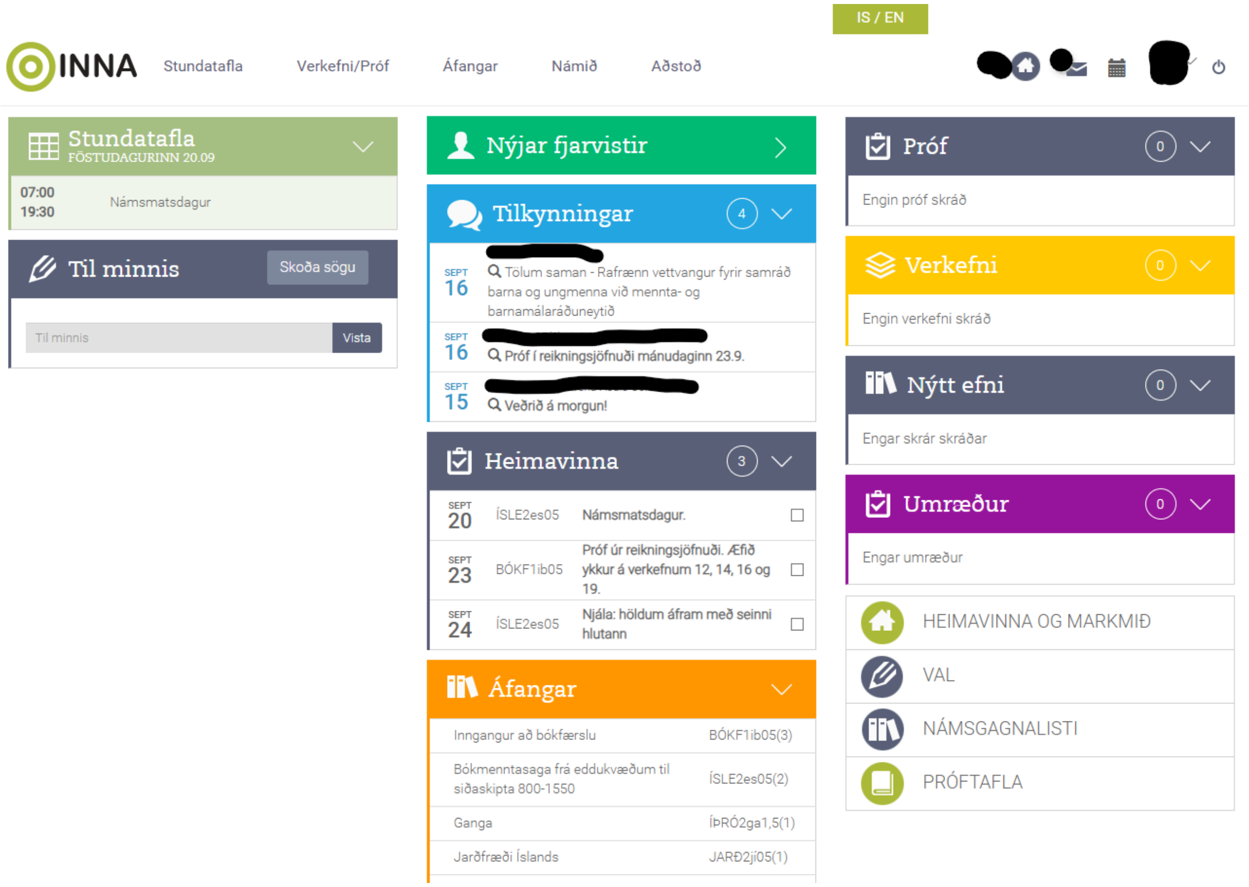
Suggested folders View more

- Greining og hönnun hugbúnaðar — In My Drive
- Eðlisfræði — In My Drive
- Forritun I — In My Drive
- Annað — In My Drive
- Strjál stærðfræði I — In My Drive

Suggested files

- GHOH IP4 — You edited • 6:37 PM
- problemsolvingproject5_bjarni24 — You modified • 6:51 PM
- Eðlisfræði LIM — You opened • Sep 20, 2024
- LIM Skýrsla — You opened • Sep 20, 2024
- Beiðni um endurgjöf — You opened • Sep 19, 2024
- GOH Problem Solving Assignme...
- Todo listi
- assignment vika5b
- skyrla_1a
- Sponsors - Poker

Inna is a website that does not follow this. The colors are not pleasing to look at, all information is kind of scattered around the website. Additionally, finding information requires the user to explore the app and find the information themselves. Even worse, the titles are very misleading. Quite often the information in a tab does not withhold the information users are expecting.



IS / EN

INNA

[redacted]

Stundatafla
FÖSTUDAGURINN 20.09

07:00
19:30 Námsmatsdagur

Til minnis Skoða sögu

Til minnis Vista

Nýjar fjarvistir

Tilkynningar 4

[redacted]
SEPT 16 Tölum saman - Rafrænn vettvangur fyrir samráð barna og ungmenna við mennta- og barnamálaráðuneytið

[redacted]
SEPT 16 Próf í reikningsjöfnuði mánudaginn 23.9.

[redacted]
SEPT 15 Veðrið á morgun!

Heimavinna 3

SEPT 20	ÍSLE2es05	Námsmatsdagur.	□
SEPT 23	BÓKF1ib05	Próf úr reikningsjöfnuði. Æfið ykkur á verkefnum 12, 14, 16 og 19.	□
SEPT 24	ÍSLE2es05	Njála: höldum áfram með seinni hlutann	□

Áfangar

Inngangur að bókfærslu	BÓKF1ib05(3)
Bókmenntasaga frá eddukvæðum til siðaskipta 800-1550	ÍSLE2es05(2)
Ganga	ÍÞRÓ2ga1,5(1)
Jarðfræði Íslands	JARÐ2ji05(1)

Próf 0

Engin próf skráð

Verkefni 0

Engin verkefni skráð

Nýtt efni 0

Engar skrár skráðar

Umræður 0

Engar umræður

- HEIMAVINNA OG MARKMIÐ
- VAL
- NÁMSGAGNALISTI
- PRÓFTAFLA

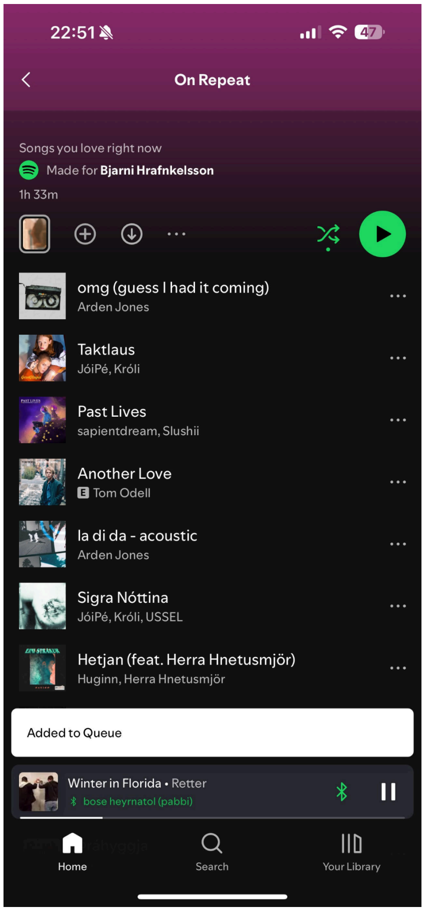
A substantial amount of options are not used, f.x. Heimavinna og Markmið and Próftafla. Those tabs are empty and not used. Furthermore, looking for your grades is not in the Verkefni/Próf(Assignments/Tests) where you would naturally think it is, but it is in Áfangar(Classes).

Affordance

Affordance is displaying to the user what each and every action and button does. Having clear icons that makes it clear to the user what their action does. Doing so can be accomplished through icons, or somehow displaying to the user that a certain action is available.

Spotify

Spotify is an example of software that does everything well. Spotify has a good implementation of affordance. All symbols have a clear purpose that is easy to recognize. The options at the bottom have a clear purpose, f.x. The home icon to go home, search symbol to search, etc.



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1h 33m

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Past Lives
sapientdream, Slushii

Another Love
E Tom Odell

la di da - acoustic
Arden Jones

Sigra Nóttina
JóiPé, Króli, USSEL

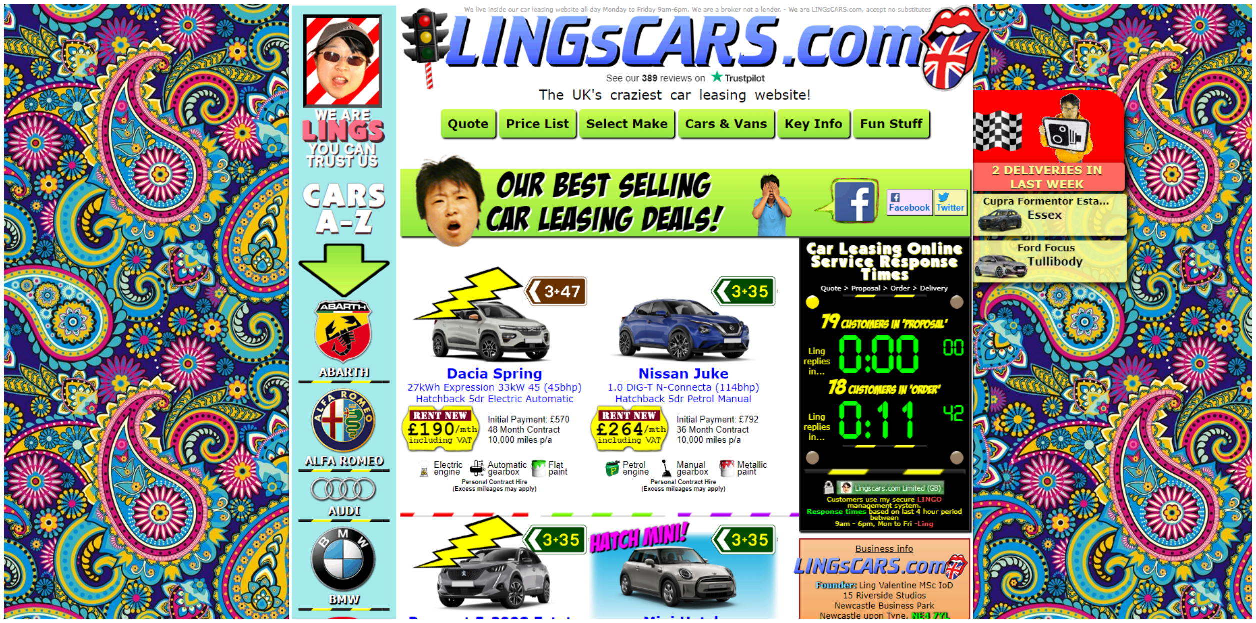
Hetjan (feat. Herra Hnetusmjör)
Huginn, Herra Hnetusmjör

Added to Queue

Winter in Florida • Retter
bose heyrnatol (pabbi)

Lings Cars

Lings Cars is a website I found by searching for poorly designed websites. Lings Cars's affordance is very poorly designed. In the bars on the left and right side, there is no distinction between clickable sections to go to and pictures he puts for dramatic use.



We live inside our car leasing website all day Monday to Friday 9am-6pm. We are a broker not a lender. - We are LINGsCARS.com, accept no substitutes

See our 389 reviews on Trustpilot

The UK's craziest car leasing website!

Customers use my secure LINGO management system.
Response times based on last 4 hour period between 9am - 6pm, Mon to Fri -Ling

Users navigating the website might have some trouble knowing what they can do or knowing how to accomplish certain tasks