

Exercise: Applying Heuristics

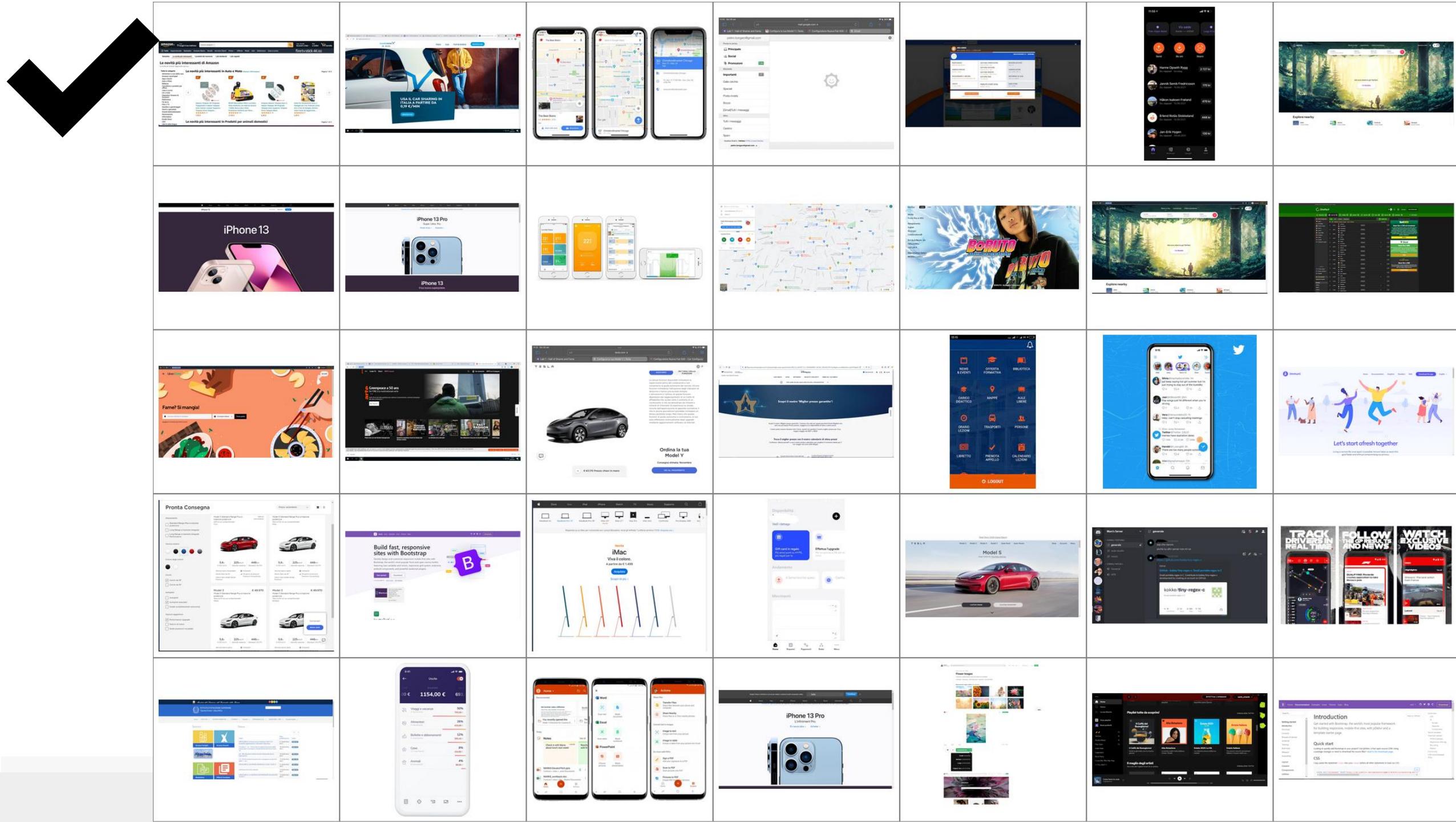
Human Computer Interaction

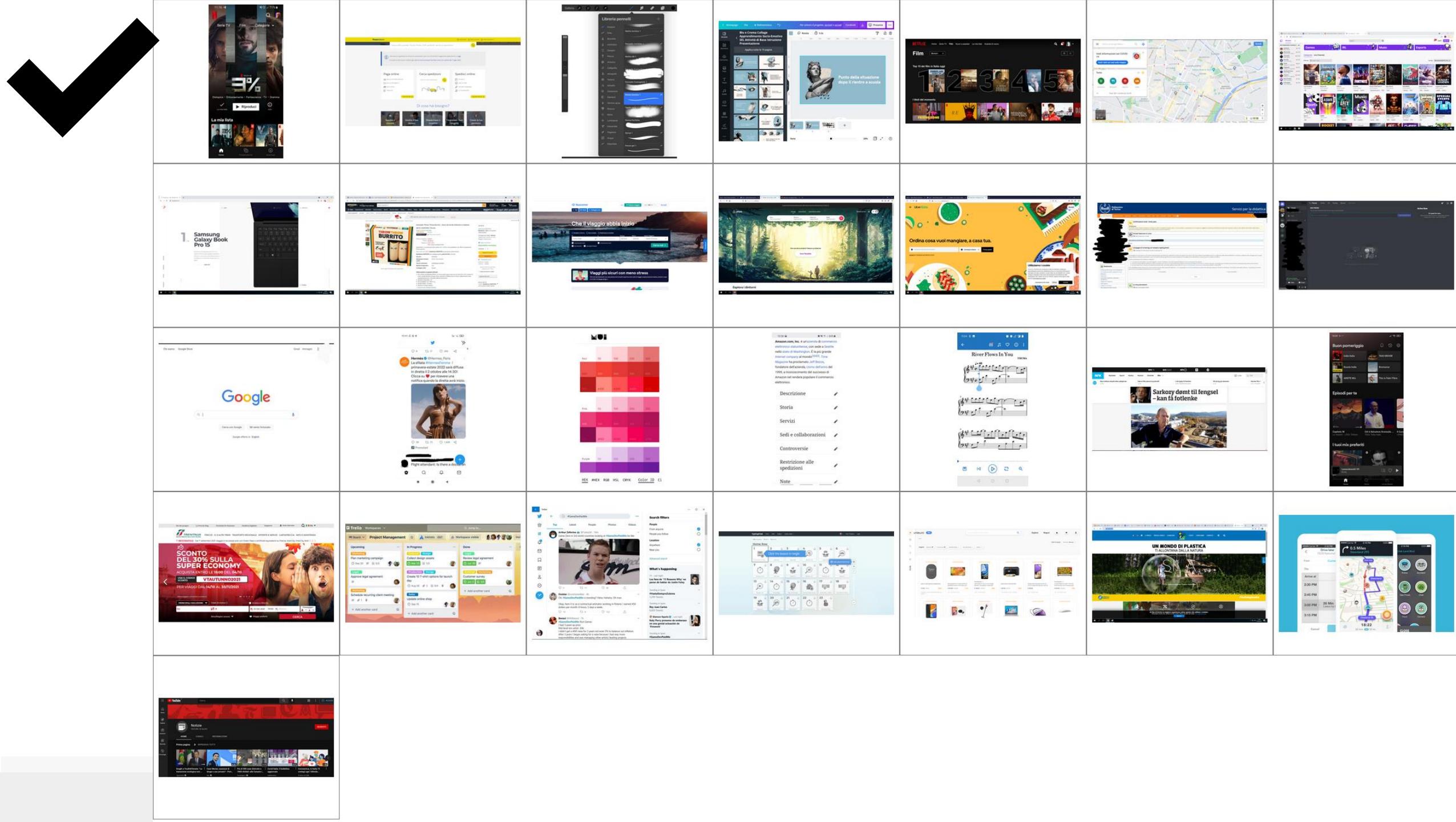
Luigi De Russis, Fulvio Corno

Academic Year 2021/2022

About your submissions

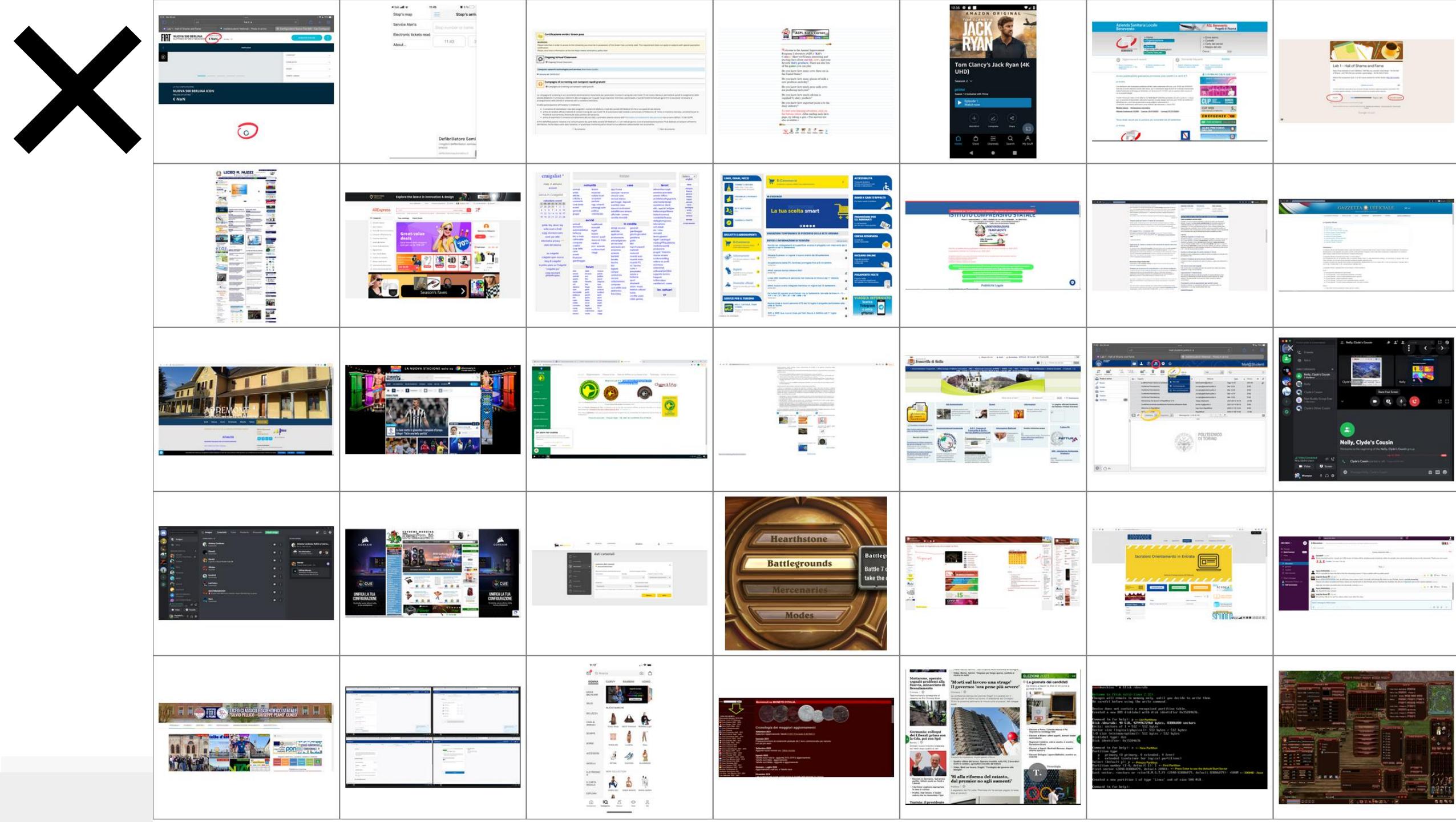
- ✓ 66 submissions in the Hall of Fame
- ✗ 66 submissions in the Hall of Shame

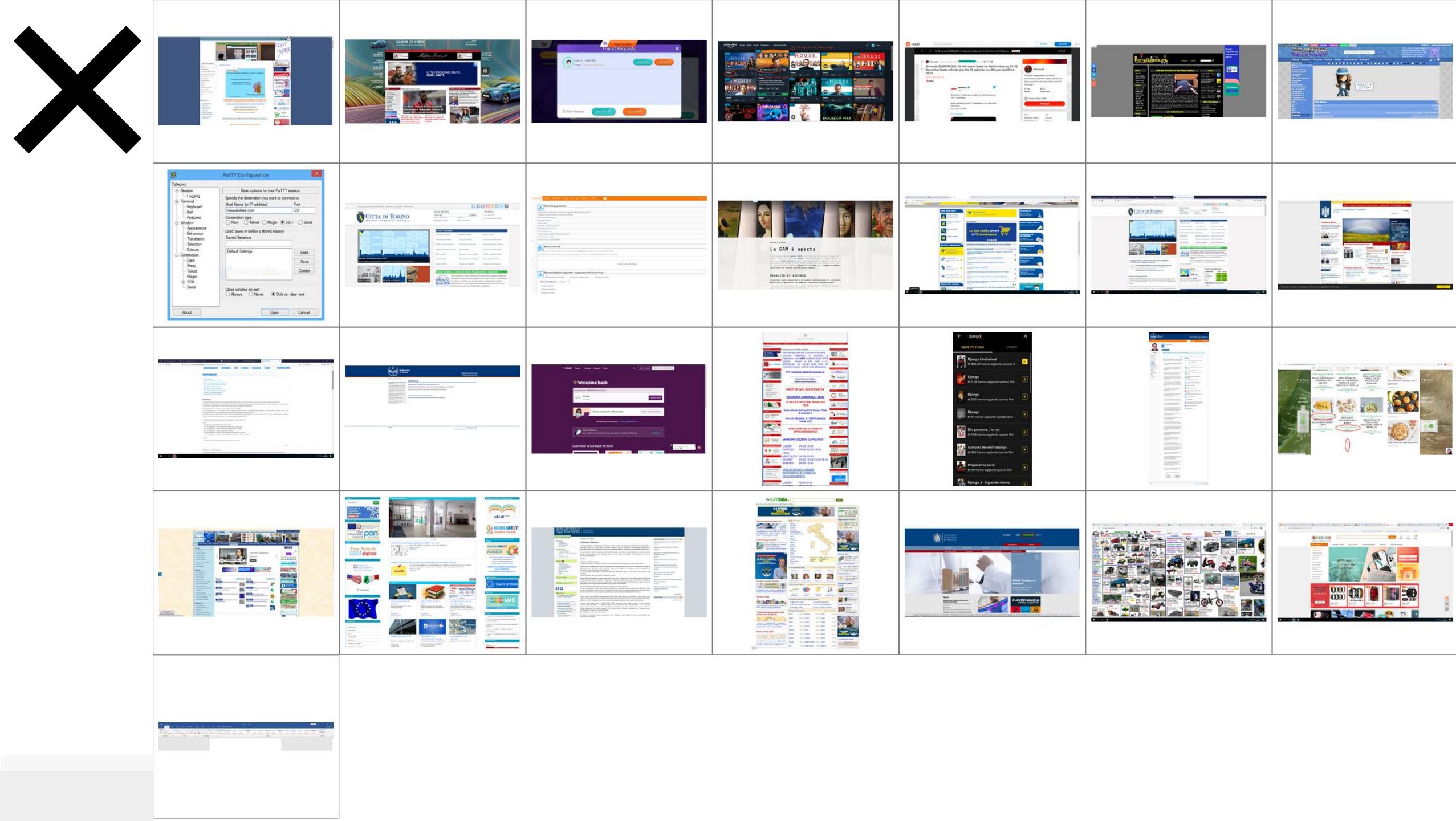




✓ Reasons for inclusion

- easily find the different categories
- have a clear idea
- have a clear vision of what you can do
- Everything is in the right place
- Quick Learning curve
- very clear
- easy to navigate
- categories well organized
- timeline very intuitive
- minimalistic
- simple to find what you are looking for
- has a notification bell
- few commands
- immediately clear what the user have to do
- filter for the search specific and clear
- Intuitive
- Various options
- All can be seen in the proper page sections
- different tabs for different functions
- Many available functionalities
- Animations tell you what's happening
- simplicity
- well organized
- Clean interface
- can go back if made a mistake
- directly offers a view of the map
- the user is step by step guided
- Orderly
- Easy to understand categories
- Easy descriptions/recap
- Main page corresponds to main goals
- well organized and minimal
- can find everything in a short time
- gives you all the information
- well organized
- easy to understand
- Simple, effective, and enjoyable; intuitive
- The user, without thinking, knows exactly what he has to do
- Low density of information, intuitive buttons and filters.





X Reasons for inclusion

- no explicit button
- Field names are not clear
- too many elements in a single page
- difficult to find things
- Button colors are unconventional
- Unexpected action when clicking on a button
- hard to find how to ...
- not very intuitive
- lot of tools to use
- difficult to find the utility buttons
- Different buttons open the same menu
- Some sections cannot be found from the menu
- too many elements on the screen
- not clear where to look
- services for the user are hard to find
- Multi-group login model is confusing
- Can't see all the information
- too many items on screen
- number of clicks too high
- Channels not automatically added
- layout is messy & random
- Too much is shown
- Inconsistent behavior of buttons
- overloaded information in the same window
- difficult to understand that actions are
- mutually exclusive
- Navigation is just a list of elements
- Lots of useless info
- different sections are organized with different UI
- Crowded – no spacing
- No categories for finding products
- top image is too big
- too many elements in the page
- When you click it doesn't give the impression something has changed
- limited to a skinny column
- text is hard to read
- Apparent links are not clickable
- too messy / too many different things
- too outdated
- can't really understand immediately where to go
- I feel like I'm getting scammed
- not organized
- easy to click on the wrong category
- user can't understand where to go to for login (wrong name)
- Incomplete translation
- too much information, confusing
- useful and commonly used materials are mixed with less relevant elements
- high density of information and text

About your submissions

- High creativity and wide spectrum of applications
- Many usability problems found at first glance
- Some “easy targets” to shame (universities, public services, ...)
- Some easy targets to fame (multi-billion enterprises)
- Some websites are listed in **both** categories
- You found hard to synthesize the application goal in one sentence
- Some screenshots were not significant (home page, registration screen, marketing screenshot, ...)
- Some repetitions (friends who submitted the same material)



<https://www.nngroup.com/articles/ten-usability-heuristics/>

10 Nielsen's Usability Heuristics

- #1: Visibility of system status
- #2: Match between system and the real world
- #3: User control and freedom
- #4: Consistency and standards
- #5: Error prevention
- #6: Recognition rather than recall
- #7: Flexibility and efficiency of use
- #8: Aesthetic and minimalist design
- #9: Help users recognize, diagnose, and recover from errors
- #10: Help and documentation

Overview

Type	X	✓
Mobile App	5	19
Website	44	45
Desktop app	3	

Category	X	✓
Health		1
Shop/eCommerce	7	12
Public/University/School	25	4
Chat/Mail/Office	7	8
Travel/Maps/AirBnb	4	12
Smart Home / System	2	1
Gaming	4	1
Money		3
Learning/Documentation	2	4
Eating/Food	1	2
Social Network	1	3
Sports	2	2
Streaming TV / Music / Video	3	7
Library/Resources/News	6	4

Is there a pattern? (Who values usability the most?)

- Public vs. Private institutions
- For-profit vs. Non-profit
- Startups vs. Corporations
- Incumbent vs. Emerging
- Work vs. Entertainment
- On-line vs. Off-line business
- ...

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- #10: Help and documentation

Examples

Let's apply Nielsen Heuristics and Visual Design principles



- » Home
- » Organizzazione aziendale
- » Servizi
- » Indice delle prestazioni
- » Come fare per...

- » Dove siamo
- » Contatti
- » Carta dei servizi
- » Mappa del sito

Cerca

Aggiornamenti recenti

- » Nuovo Coronavirus - aggiornamento ore 17 del 21/06/2021
- » L'Azienda Sanitaria Locale Benevento

Domande frequenti

- » Medico di Medicina Generale - Pediatra di Libera Scelta
- » Ticket - Esenzione per le prestazioni di assistenza sanitaria

Archivio

Avviso pubblicazione graduatoria provvisoria zone carenti C.A. ed E.S.T.

[21-09-2021]

Con riferimento alla Graduatoria pubblicata all'Albo online unitamente all'Avviso, prot. 97283 del 20/09/2021 riservato ai medici utilmente inseriti nella stessa, per il conferimento degli incarichi di Continuità Assistenziale, Istituti Penitenziari ed Emergenza Territoriale con decorrenza 01.10.2021, per la copertura delle carenze di cui ai prospetti allegati.

I medici interessati, entro e non oltre le ore 12,00 del 23 settembre prossimo dovranno produrre, a mezzo pec, la domanda di disponibilità, utilizzando l'apposito modello allegato all'Avviso prot. 97283 del 20/09/2021, all'indirizzo pec: continuita.assistenziale.emergenza@pec.aslbenevento.it.
L'eventuale conferimento dell'incarico verrà notificato agli interessati, a mezzo PEC.

[Modello istanza - Dichiarazione informativa](#)

[Allegato Graduatoria CA 2020 - Carenze CA 01/10/2021 - Carenze EST 01/10/2021](#)

Terza dose vaccini per le persone più vulnerabili dal 20 settembre

[17-09-2021]



EMERGENZE 118

URP E PUNTI INFORMATIVI SEGNALAZIONI E RECLAMI

**ALBO PRETORIO
ON-LINE**

**AMMINISTRAZIONE
TRASPARENTE**

- #1: Visibility of system status
- #2: Match system-real world
- #3: User control and freedom
- #4: Consistency and standards
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LINEE, ORARI, MEZZI



TORINO E CINTURA
Metro, Bus, Tram, sfm,
collegamento aeroporto



PROVINCIA E PIEMONTE
Bus, sfm



RETE NOTTURNA
Bus



GUARDA LE MAPPE

BIGLIETTI E ABBONAMENTI



E-Commerce
Acquista o rinnova online
il tuo abbonamento



Abbonamenti
Per chi usa spesso i mezzi
pubblici



Biglietti
Biglietti di corsa singola,
speciali e carnet



Rivendite ufficiali
Scegli la rivendita più vicina
a te

SERVIZI PER IL TURISMO



MOLE, SUPERGA, TRAM
STORICI
Reggia di Venaria e Castello
di Rivoli



E-Commerce

Acquista o rinnova online il tuo abbonamento

ACCESSIBILITÀ

Trasporto pubblico
Servizio prenotazione per
ferrovie e extraurbano



IN EVIDENZA

La tua scelta smart



VARIAZIONI TEMPORANEE DI PERCORSO DELLA RETE URBANA

AVVISI E INFORMAZIONI DI SERVIZIO

tutti gli avvisi

Novità nei collegamenti di superficie: avanza il progetto con interventi dal 2 agosto e dal 13 settembre

13-07-2021



Venaria Express: in vigore il nuovo orario dal 28 settembre

24-09-2021



Sospensione della ZTL Centrale prorogata fino al 5 novembre

16-09-2021



sfmA: calcolo bonus ottobre 2021

24-09-2021



Linea 35N: modifica di percorso nel Comune di Vinovo dal 1° ottobre

22-09-2021



sfmA: nuovo orario integrato treni/bus in vigore dal 13 settembre

08-09-2021



Da lunedì 23 agosto lavori binari via xx Settembre: deviate le linee 4 – 11 – 11F – 15 – 27 – 55 – 57 – 58 – 58B – 92

18-08-2021



Nuove linee e nuovi percorsi GTT: dal 12 luglio il progetto sarà esteso alla città di Torino

02-07-2021



SM1 e SM2: due nuove linee per San Mauro e Settimo dal 1° luglio

30-06-2021



VIAGGIA INFORMATO

Scarica
Telegram
e cerca
gttorari



#1: Visibility of system status

#2: Match system-real world

#3: User control and freedom

#4: Consistency and standards

#5: Error prevention

#6: Recognition rather than recall

#7: Flexibility and efficiency of use

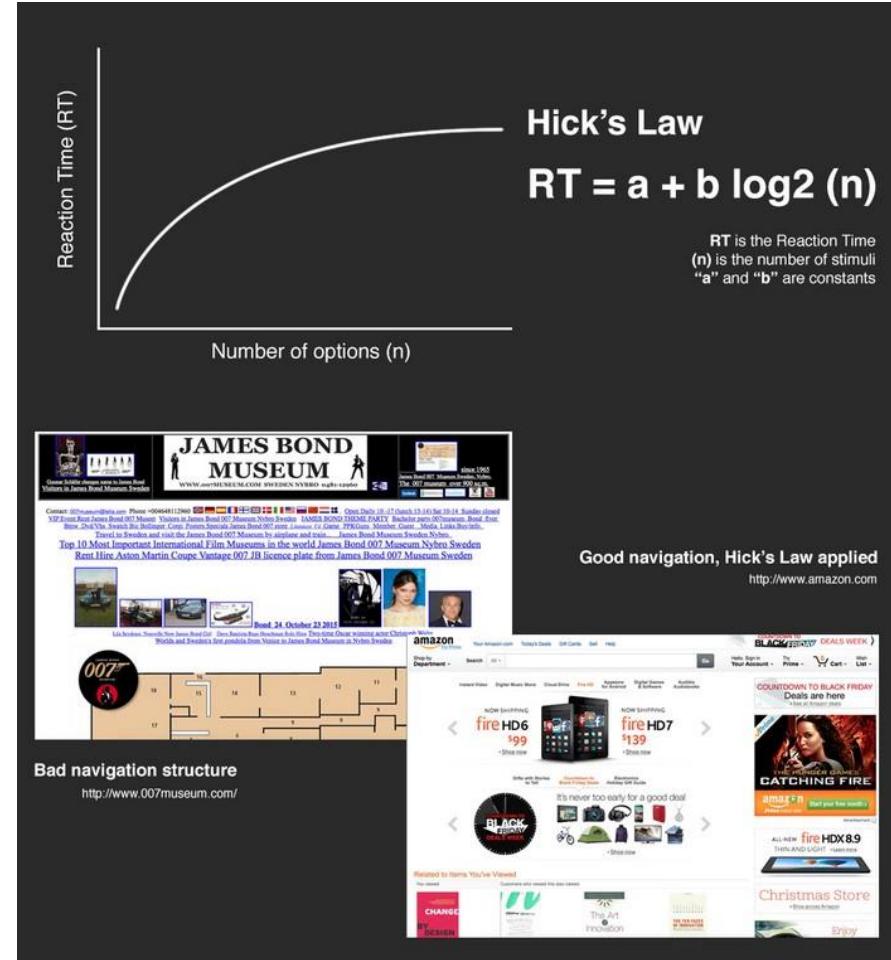
#8: Aesthetic and minimalist design

#9: Recognize, recover from errors

#10: Help and documentation

Hick's Law

- $RT = a + b \log_2 (n)$
- Where “RT” is the reaction time, “(n)” is the number of stimuli present, and “a” and “b” are arbitrary measurable constants that depend on the task and the conditions under which it will be carried out.
- The more stimuli to choose from, the longer it takes the user to make a decision on which one to interact with.
 - Users bombarded with choices have to take time to interpret and decide, giving them work they don’t want.





- CATALOGO MONETE -
 Banconote Italiane 1874 2001
 Monete Carlo II D'Asburgo
■ Euro Austria 2002 - 2019
■ Euro Belgio 1999 - 2014
■ Euro Cipro 2008 - 2011
■ Euro Commemorativi
■ Euro Estonia
■ Euro Finlandia 1999 - 2011
■ Euro Francia 1999 - 2016
■ Euro Germania 2002 - 2017
■ Euro Grecia 2002 - 2016
■ Euro Irlanda 2003 - 2013
■ Euro Italia 2002 - 2018
— Euro Lettonia 2014
■ Euro Lituania 2015 -
■ Euro Lussemburgo 2002 - 2016
■ Euro Malta 2008 - 2018
— Euro Monaco 2001 - 2020
■ Euro Olanda 1999 - 2017
■ Euro Portogallo 2002 - 2016
■ Euro San Marino 2008 - 2016
■ Euro Slovacchia 2009 -
■ Euro Slovenia 2007 -
— Euro Spagna 1999 - 2017
■ Euro Vaticano 2002 - 2017
 Monete Ferdinando IV
 Quattrini Innocenzo XIII
 Lire Rep. San Marino 1931 - 2001
 Lire Vaticano 1929 - 2001



Cronologia dei maggiori aggiornamenti

Settembre 2021

Aggiunta e aggiornamento Tabelle EURO Principato di MONACO

Gennaio 2021

Preparazione/inizio accorpamento graduale dei 2 euro commemorativi per nazione.
non più per anno.

Settembre 2020

Aggiunte nuove monete sez. Ultime monete

Agosto 2020

Tabelle euro Francia - aggiunta 2015-2016 e aggiornamento
Tabelle euro Italia - aggiornamento
Tabelle euro Malta - aggiunta e aggiornamento

Gennaio - Luglio 2020

Aggiornamenti Lira/Euro, e Tabelle varie

Dicembre 2019

Lista di annunciare nuove pubblicazioni di monete nella sezione lira italiana



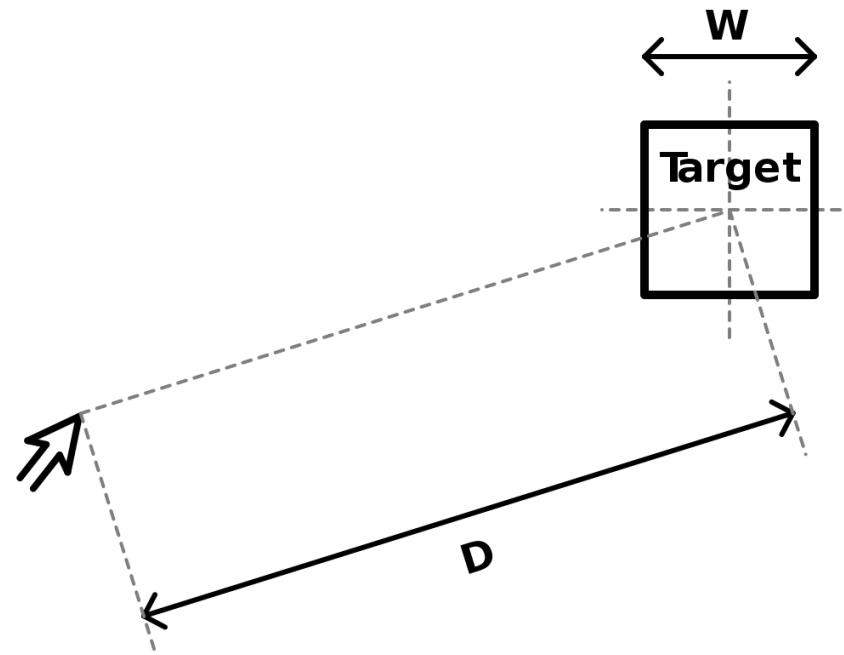
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Fitts' Law

- Index of Difficulty

$$ID = \log_2 \left(\frac{2D}{W} \right)$$

- Time to complete the movement is proportional to ID
 - Large target, near to pointer ✓
 - Small target, far to reach ✗



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Lab 1 - Hall of Shame and Fame

Report four examples of user interfaces, TWO that you consider a bad design -- for the Hall of Shame -- and TWO that you consider a good design -- for the Hall of Fame.

Refer to the assignment (Lab 1) on the course website for further details: <http://bit.ly/polito-hci>

Cambia account



Il nome e la foto associati al tuo Account Google verranno registrati quando caricherai i file e invierai questo modulo. Il tuo indirizzo email non fa parte della risposta.

Avanti

▶ Pagina 1 di 5

Cancella modulo

Non inviare mai le password tramite Moduli Google.

Questi contenuti non sono creati né avallati da Google. [Segnala una violazione](#) - [Termini di servizio](#) - [Norme sulla privacy](#)

Google Moduli

Booking.com

Sunflowerland Corso Duca degli Abruzzi, Torino, Piemonte, 10141

Name and location Property setup Photos Pricing and calendar Legal info Help

Property Details

Where can people sleep?

- Living room 0 beds
- Other spaces 0 beds

Add bedroom

How many guests can stay? 0

How many bathrooms are there? 1

How big is this apartment?

Apartment size - optional square meters

Is anything preventing you from completing your registration at this point? Let us know

Bedroom 2

Which beds are available in this room?

Bed Type	Width	Count
Twin bed(s)	35-51 inches wide	0
Full bed(s)	52-59 inches wide	0
Queen bed(s)	60-70 inches wide	0
King bed(s)	71-81 inches wide	0

More bed options

< Cancel Save

Is anything preventing you from completing your registration at this point? Let us know

Booking.com

Sunflowerland Corso Duca degli Abruzzi, Torino, Piemonte, 10141

Name and location Property setup Photos Pricing and calendar Legal info Help

Rate plans

To attract a wider range of guests, we suggest setting up multiple rate plans. The recommended prices and policies for each plan are based on data from properties like yours, but they can be edited now or after you complete registration.

Standard rate plan

Price per group size

Occupancy	Guests pay
1	€ 55.00

Cancellation policy

- Guests can cancel their bookings for free up to 1 day before their arrival
- Guests who cancel within 24 hours will have their cancellation fee waived

Non-refundable rate plan

Show all

Cancellation policies

How many days before arrival can guests cancel their booking for free? Recommended

- 1 day
- 5 days
- 14 days
- 30 days

Guests love flexibility – free cancellation rates are generally the most booked rates on site. Get your first booking sooner by allowing guests to cancel up to 5 days before check-in.

What policy should I choose? Recommended

Any policy you select now can be easily updated after you complete registration.

Protection against accidental bookings On

To avoid having to deal with accidental bookings, we automatically waive cancellation fees for guests who cancel within 24 hours of booking.

< Continue

pmv-chamara-ep3...jpg Show all

10:41 30/09/2021

pmv-chamara-ep3...jpg Show all

10:42 30/09/2021

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Titolo	Data pubblicazione	Visite
CIRCOLARE N. 52 Avvio anno scolastico 2021/22 - modalità organizzative e indicazioni operative	21 Settembre 2021	Visite: 201
Circolare n° 44 - Protocollo di regolamentazione delle misure per il contrasto e contenimento del Virus Covid - 19	18 Settembre 2021	Visite: 126
circ. 38 indicazioni indirizzi email istituzionali alunni classi prime	16 Settembre 2021	Visite: 249
Circ. 35 bis autodichiarazione da consegnare al docente della 1^ ora	15 Settembre 2021	Visite: 380
CIRCOLARE N. 36 ORARIO INGRESSO CLASSI 16.09.21	14 Settembre 2021	Visite: 420
sanificazione locali scolastici	13 Settembre 2021	Visite: 145
CIRCOLARE N. 34 INGRESSI DIFFERENZIATI DA GIOVEDÌ 16.09.21	13 Settembre 2021	Visite: 313



Film

Generi ▾



Top 10 dei film in Italia oggi



I titoli del momento



prime video Home Store Canali Categorie ▾ Area personale

The screenshot shows the Prime Video mobile application interface. At the top, there's a navigation bar with 'prime video' and other links like 'Home', 'Store', 'Canali', 'Categorie', and 'Area personale'. Below the navigation, there's a grid of TV show cards. One card for 'DR. HOUSE' (Season 2, Episode 24) is highlighted with a red circle around its title and a red arrow pointing from it to the text 'Brings to TV Show page'. Another red circle highlights the 'House' button below the episode card. To the right of the highlighted card, there's a snippet of text: 'Il vincitore del Golden Globe Hugh Laurie indossa nuovamente i panni del cinico Dr. Gregory House nella second...'.

Mars's Server

generale

21/09/2021 asp che riavvio anche su altri server non mi va

21/09/2021 <https://github.com/kokke/tiny-regex-c>

GitHub - **kokke/tiny-regex-c**: Small portable regex in C

Small portable regex in C. Contribute to kokke/tiny-regex-c development by creating an account on GitHub.

kokke/tiny-regex-c

Small portable regex in C

DISCORD

Amigos

CONECTADO — 8

- Arianny Cardenas Conectado
- Nitro
- DianaG Conectado
- Harold Jugando a Visual Studio ...
- Golden
- Nero
- kendrick
- MEE6
- contr3r
- marfran3
- RACSO DRAWS 2 miembros
- Luz Cristina Rojas
- MASTERLIUD41XY
- Nero Conectado

Amigos

Conectado

Todos

Pendiente

Bloqueado

Añadir amigo

ACTIVO AHORA

- Arianny Cardenas, Rythm y 1 persona... En un canal de voz
- 6to Informatica Escuchar música
- Harold Visual Studio Code - 2 h
- Editing datos.py Workspace: PvuebaBootstrap Tiempo transcurrido: 0:17:24

TheCRI... #7894

Video Pantalla

Checkmark icon

Cross icon

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