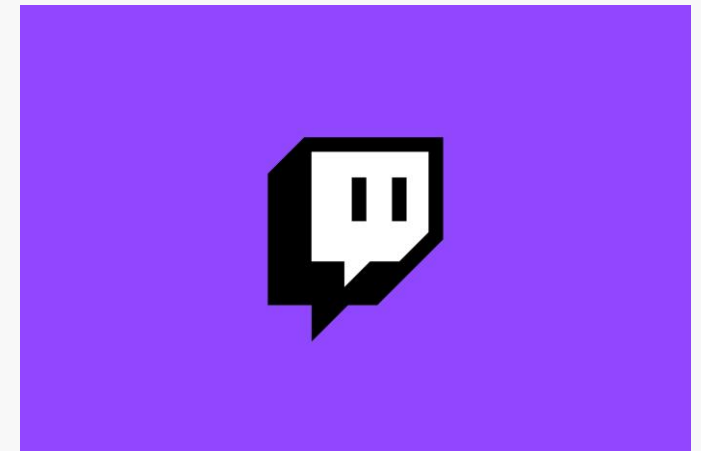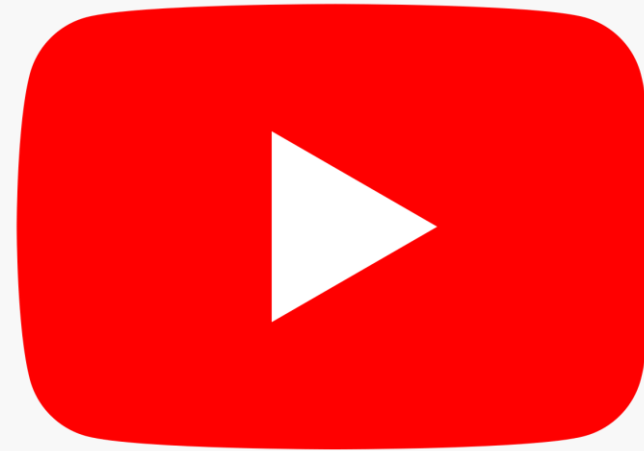# STUDY ON ACCESSIBILITY AND USABILITY
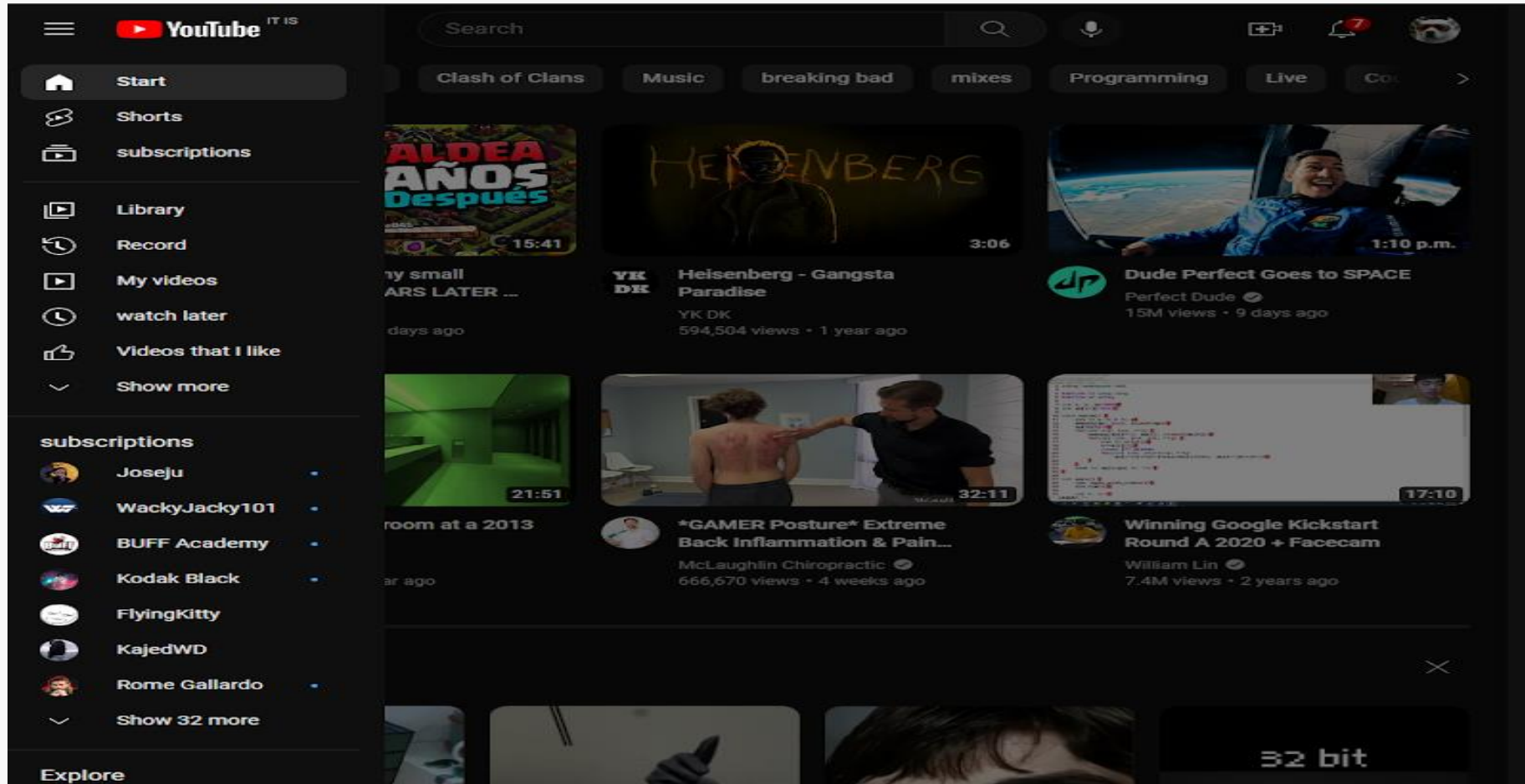
Aris Vazdekis Soria

Alejandra Ruiz de Adana Fleitas

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Strive for consistency

Strive for consistency

Enable frequent users to use shortcuts

Keyboard shortcut	Function
Spacebar	Play/Pause when the seek bar is selected. Activate a button if a button has focus.
Play/Pause Media Key on keyboards	Play / Pause.
k	Pause/Play in player.
m	Mute/unmute the video.
Stop Media Key on keyboards	Stop.
Next Track Media Key on keyboards	Moves to the next track in a playlist.
Left/Right arrow on the seek bar	Seek backward/forward 5 seconds.
j	Seek backward 10 seconds in player.
l	Seek forward 10 seconds in player.
.	While the video is paused, skip to the next frame.
,	While the video is paused, go back to the previous frame.
>	Speed up the video playback rate.
<	Slow down the video playback rate.

|	
Home/End on the seek bar	Seek to the beginning/last seconds of the video.
Up/Down arrow on the seek bar	Increase/Decrease volume 5%.
Numbers 1 to 9	Seek to the 10% to 90% of the video.
Number 0	Seek to the beginning of the video.
/	Go to search box.
f	Activate full screen. If full screen mode is enabled, activate F again or press escape to exit full screen mode.
c	Activate closed captions and subtitles if available. To hide captions and subtitles, activate C again.
Shift+N	Move to the next video (If you're using a playlist, will go to the next video of the playlist. If not using a playlist, it will move to the next YouTube suggested video).
Shift+P	Move to the previous video. Note that this shortcut only works when you're using a playlist.
i	Open the Miniplayer.

Enable frequent users to use shortcuts

Windows/Linux	macOS	Function
Clip or Video Hotkeys		
Space/K	Space/K	Pauses/plays a clip or live broadcast.
F	F	Toggles and exits the full-screen view.
Left Arrow	Left Arrow	Rewinds the broadcast by 10 seconds. Every keystroke adds 10 seconds.
Right Arrow	Right Arrow	Fast forwards the broadcast. Every keystroke adds 10 seconds.
Alt + K	Option + K	Saves a clip of the last 5 to 60 seconds of a video.
M	M	Mutes the clip or video.

Live Broadcast Hotkeys

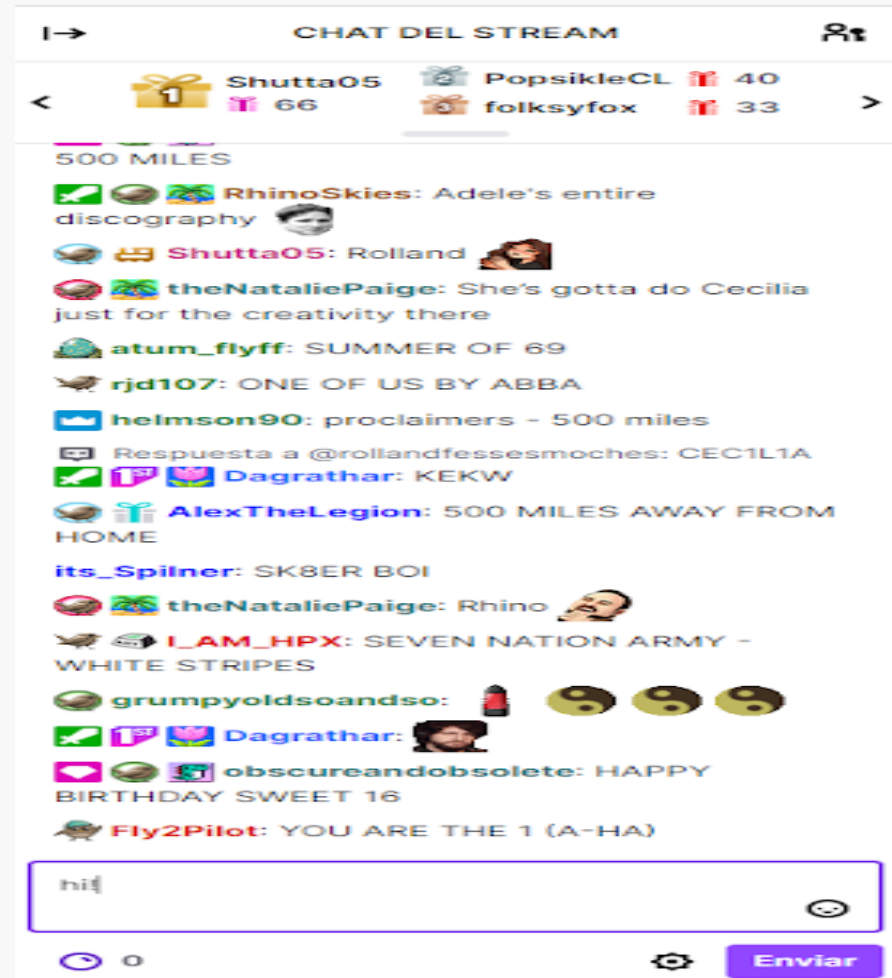|		
Space/K	Space/K	Pauses and plays the live broadcast.
M	M	Mutes the live broadcast.
Alt + X	Option + X	Saves a clip of the last 5 to 60 seconds of a live broadcast.
Alt + R	Option + R	Toggles chat side panel.
Alt + T	Option + T	Toggles and exits the theater mode.
F	F	Toggles and exits the full-screen view.
?	?	Toggles overlay with keyboard shortcuts

Offer informative feedback
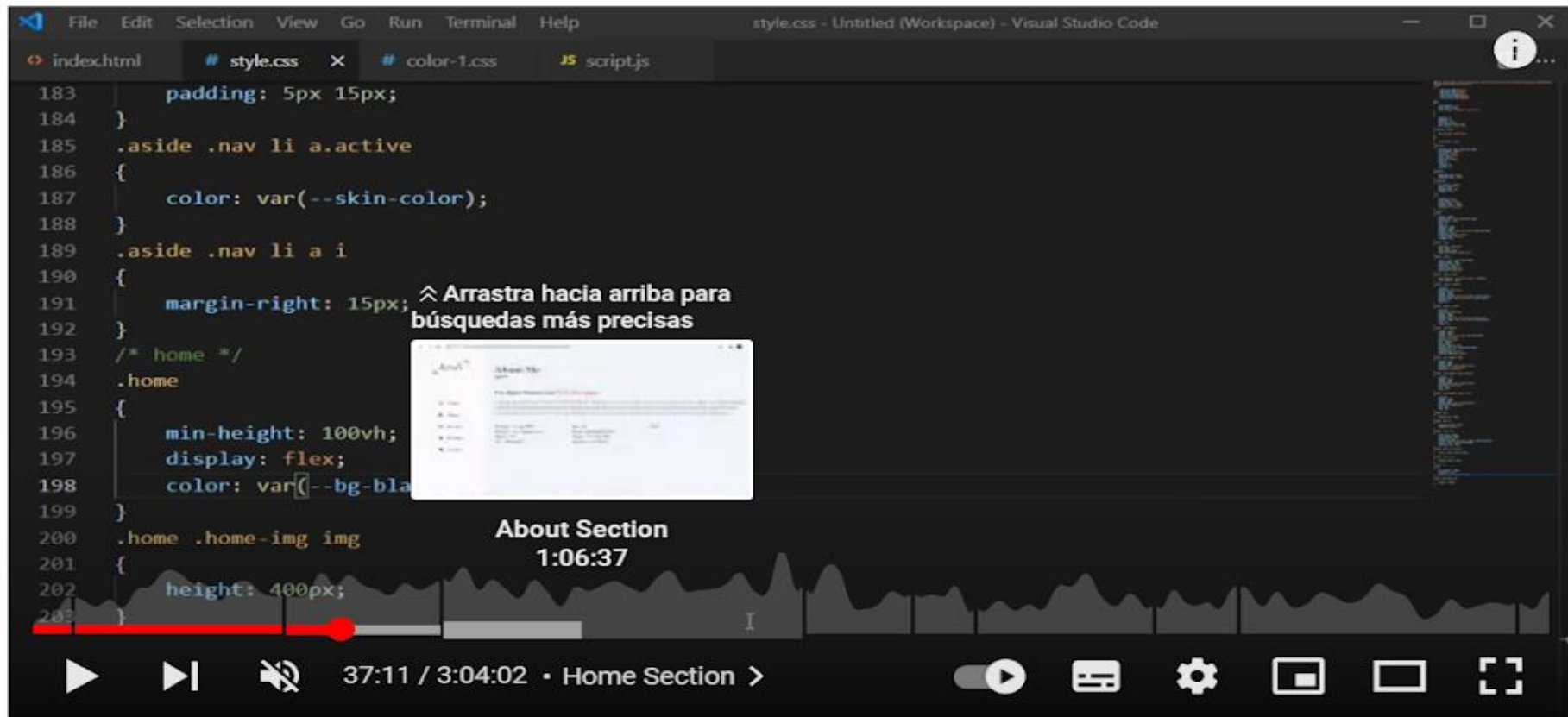
Responsive Portfolio Website Using HTML CSS & JavaScript
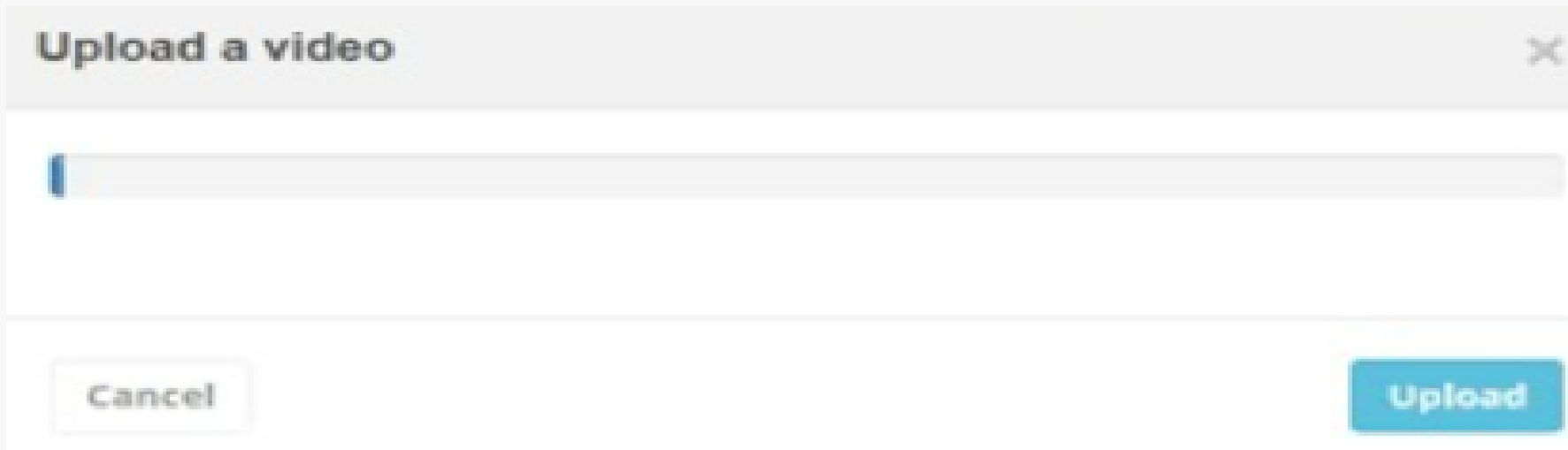
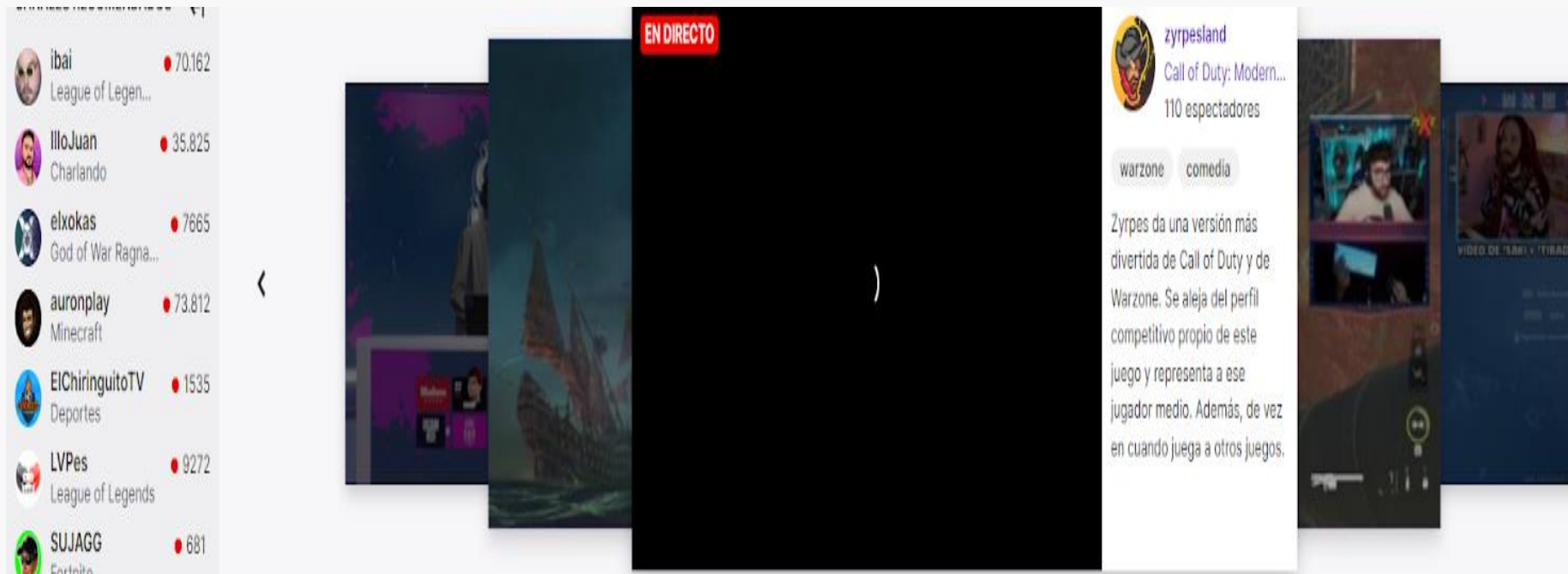Create a Responsive Personal Portfolio Website Design using HTML CSS and JavaScript
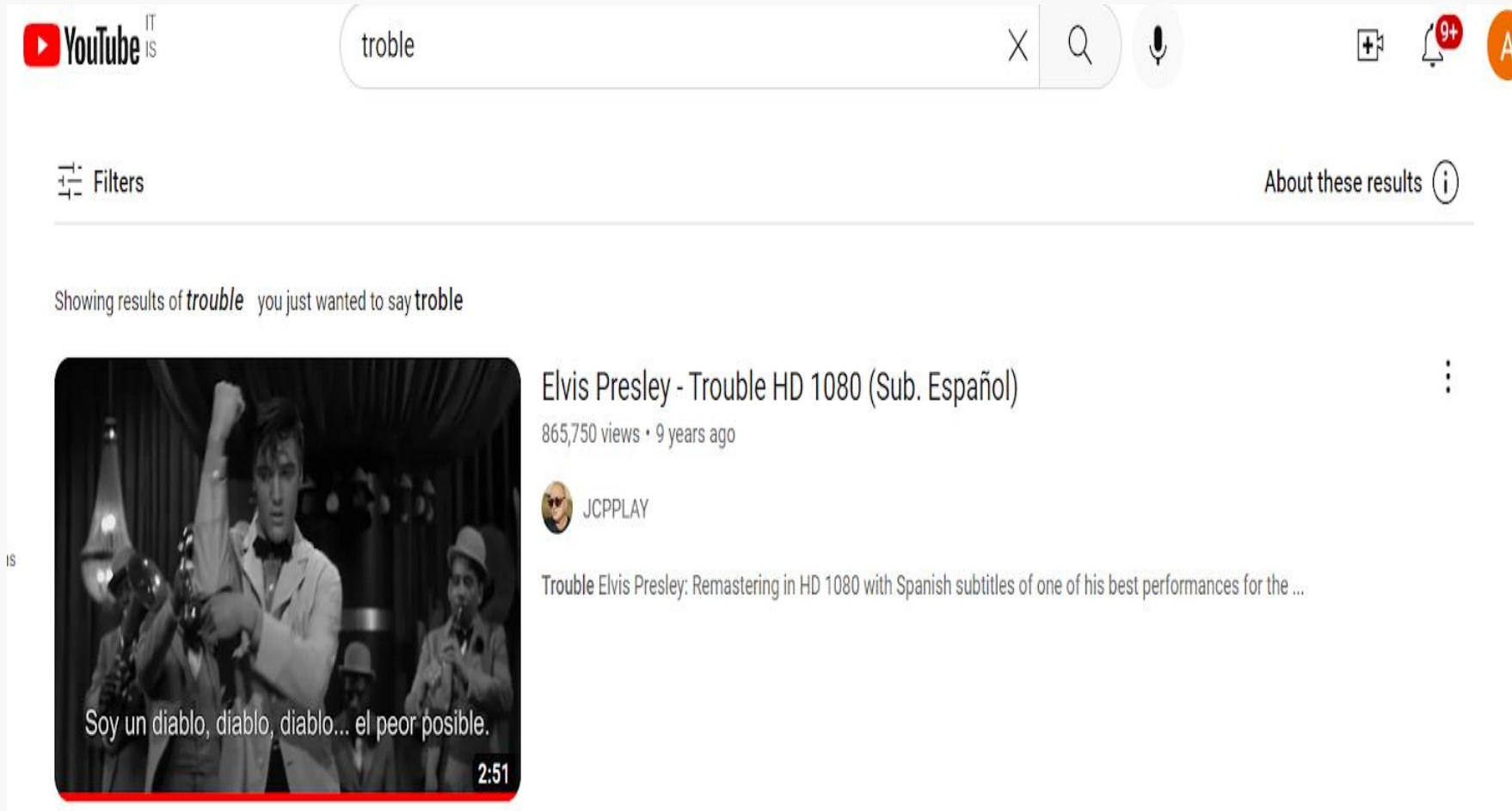
Offer informative feedback

Design dialogs to yield closure

Design dialogs to yield closure

Offer simple error handling

Offer simple error handling

Permit easy reversal of actions

Permit easy reversal of actions

Support internal locus of control

Support internal locus of control
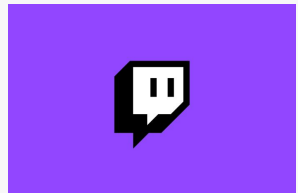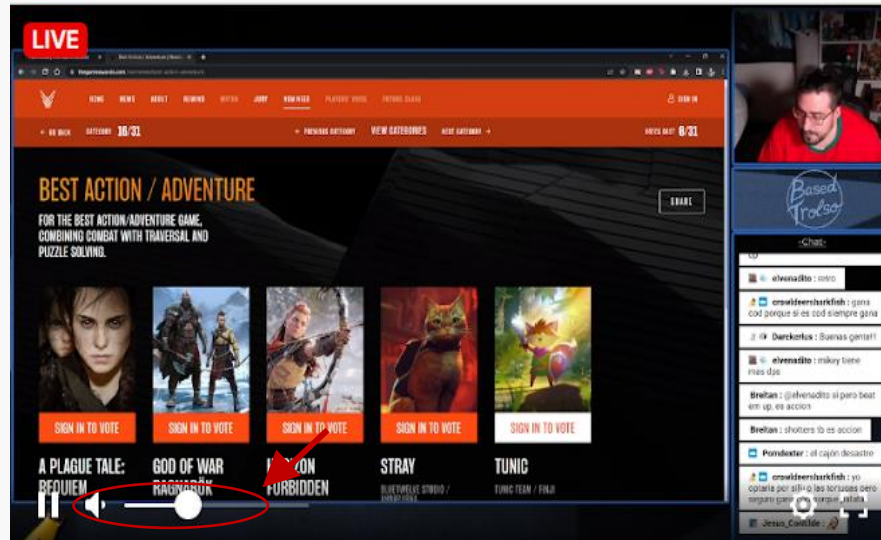
Reduce short term memory load
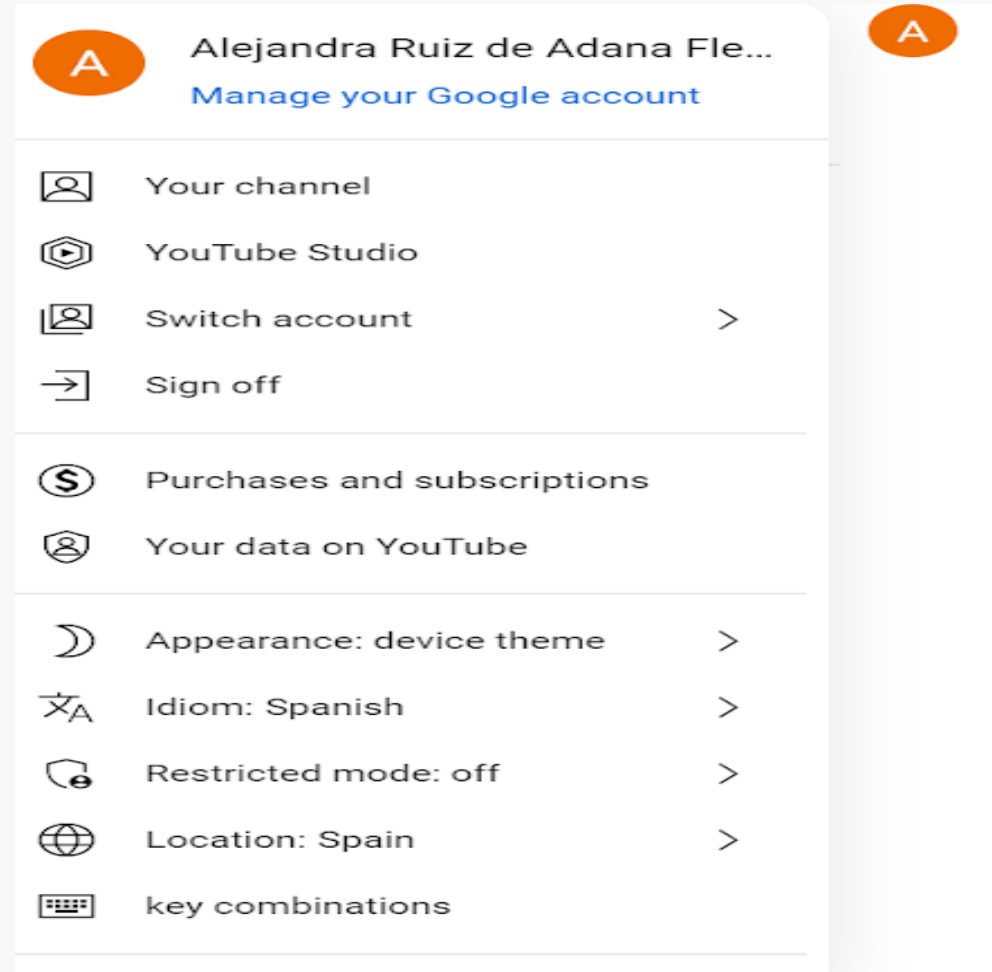
Reduce short term memory load

Analysis

Analysis

The System Usability Scale Test

The System Usability Scale Test

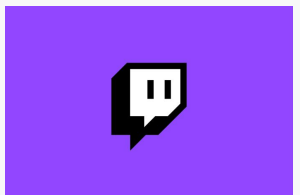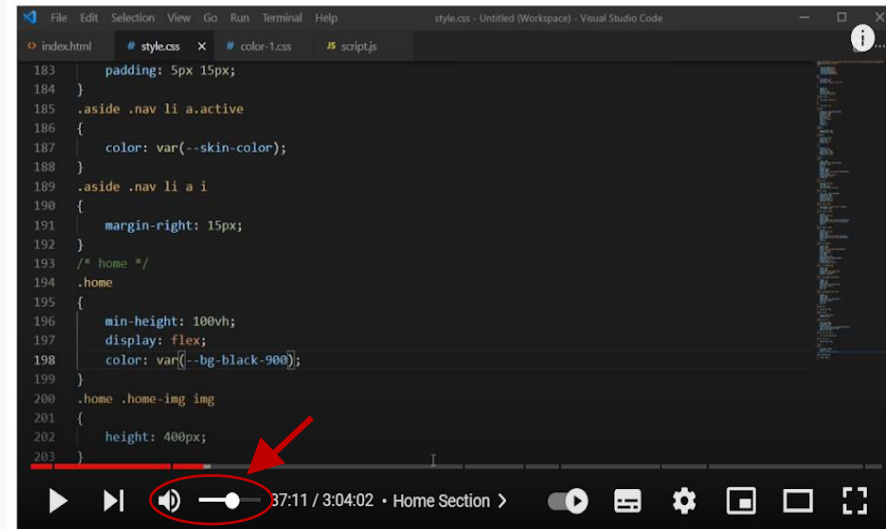| Strongly disagree				Strongly agree
1	2	3	4	5

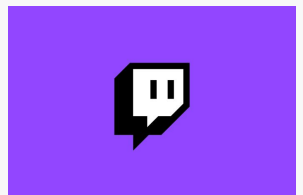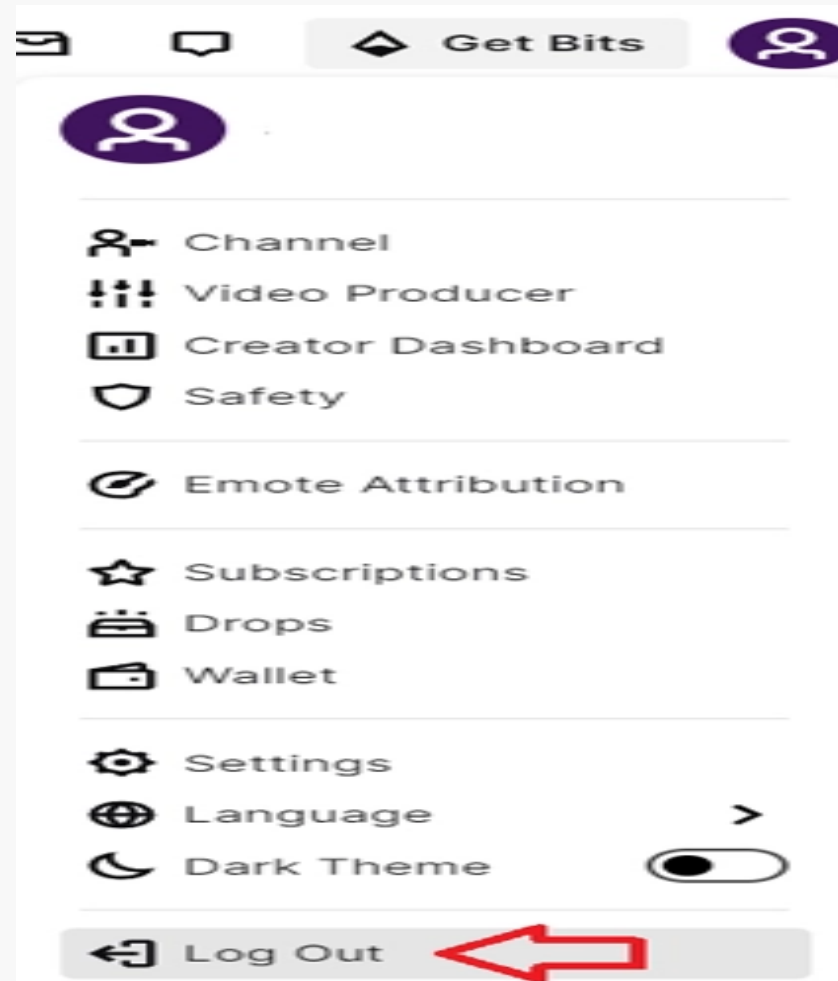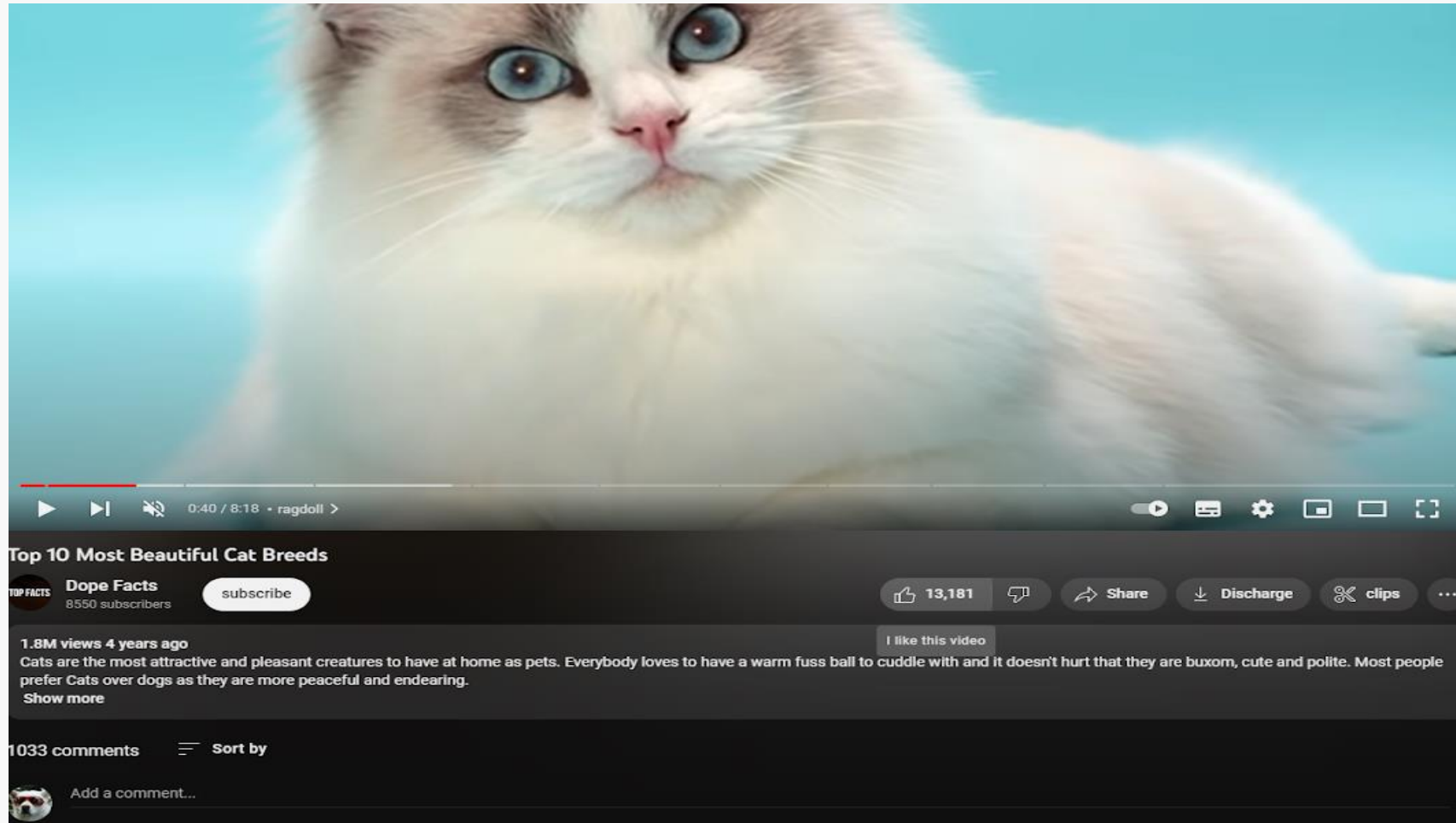|		Alejandra	Aris
1	I think that I would like to use this system frequently.	5	5
2	I found the system unnecessarily complex.	1	1
3	I thought the system was easy to use.	5	5
4	I think that I would need the support of a technical person to be able to use this syste	2	1
5	I found the various functions in this system were well integrated.	4	5
6	I thought there was too much inconsistency in this system.	1	1
7	I would imagine that most people would learn to use this system very quickly.	4	3
8	I found the system very cumbersome to use.	1	1
9	I felt very confident using the system.	5	5
#	I needed to learn a lot of things before I could get going with this system	2	1

	Alejandra	Aris	Total Score
SUS Scores	80	95	87,5

Scoring SUS

- For odd items: subtract one from the user response.

- For even-numbered items: subtract the user responses from 5

- This scales all values from 0 to 4 (with four being the most positive response).

- Add up the converted responses for each user and multiply that total by 2.5. This converts the range of possible values from 0 to 100 instead of from 0 to 40.

Based on research, a SUS score above a 68 would be considered above average and anything below 68 is below average, however the best way to interpret your results involves "normalizing" the scores to produce a percentile ranking.

SUS Score
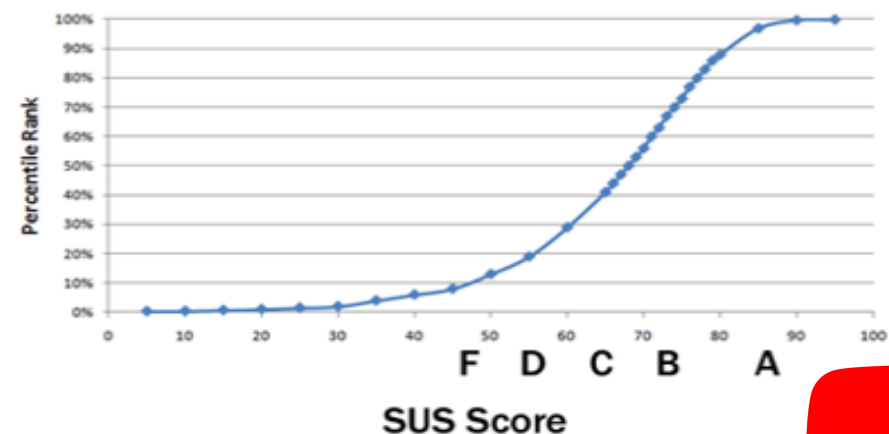
Kiviat diagram

Golden Rules	Youtube	Twitch
1. Strive for Consistency	10	8
2. Seek Universal Usability	9	6
3. Offer Informative Fedback	9	6
4. Design Dialogues to Yield Closure	10	10
5. Prevent Errors	10	10
6. Permit Easy Reversal	7	9
7. Keep Users in Control	9	9
8. Reduce Short-Term Memory Load	10	10

Golden Rules Comparative