

# Project S

Project S is a scraper that has to be designed to serve these functions

Scrape Tiktok and Facebook profiles, Groups, Pages, that talks about or comments anything related to Sarawak Politics.

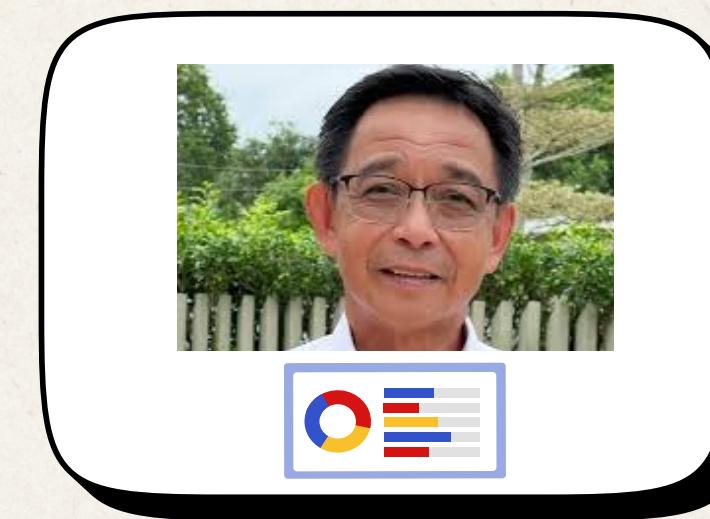
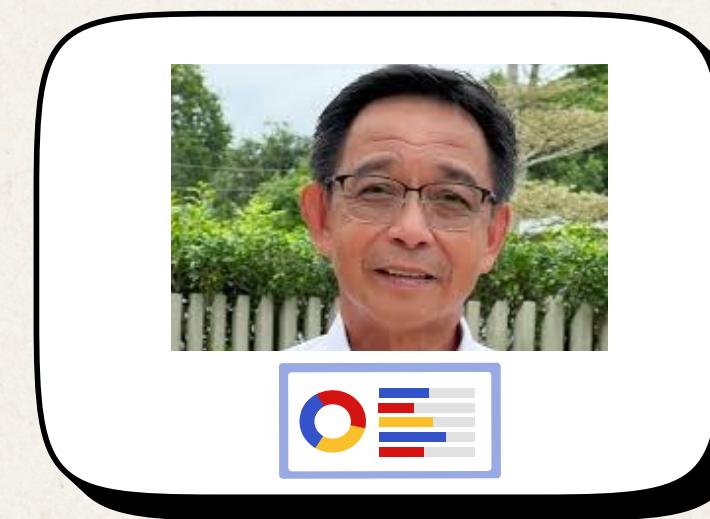
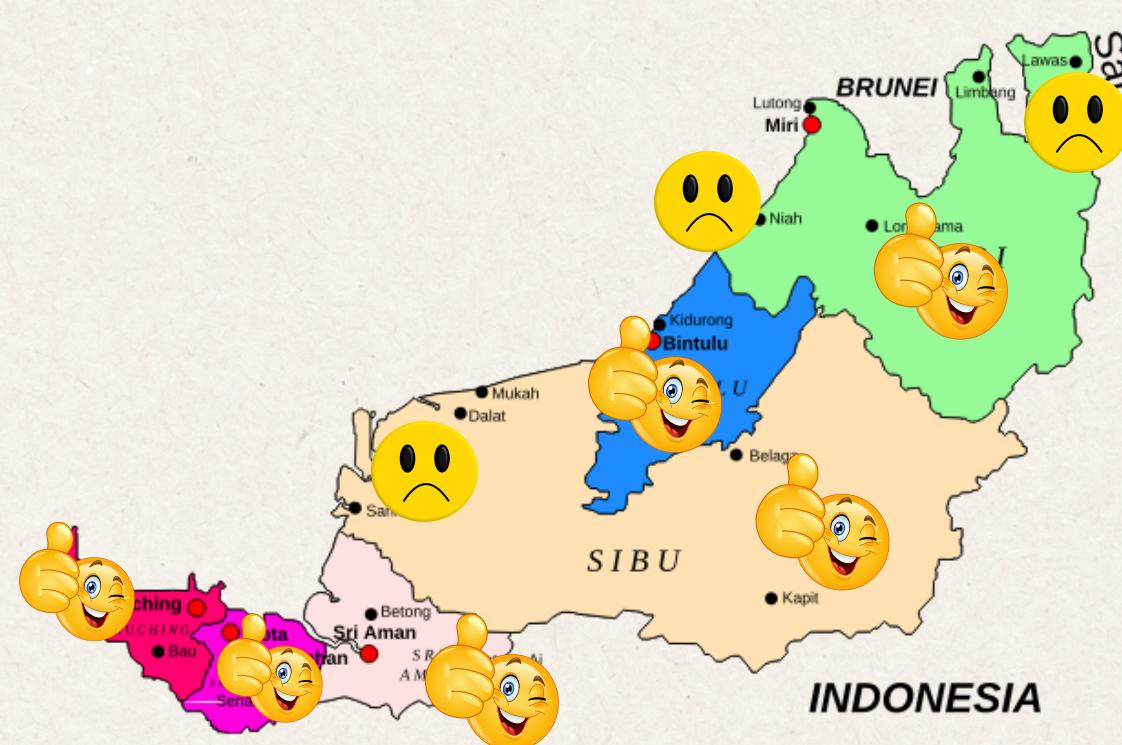
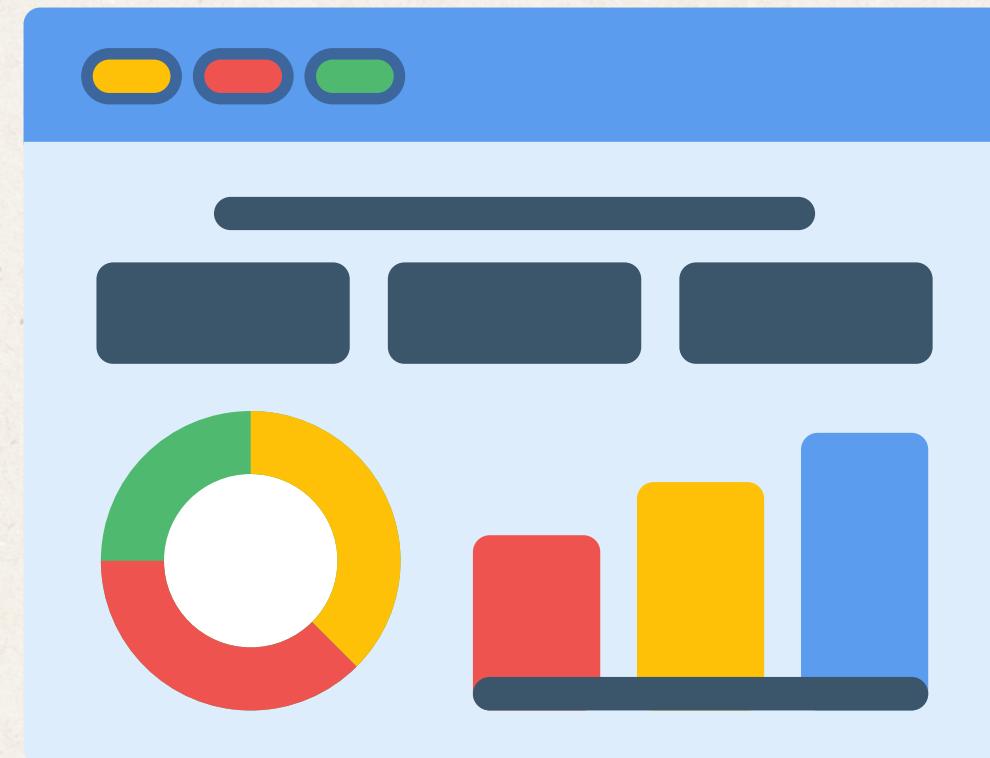
The Scraper is able to scrape comments from each individual content (Posts/Images/Videos)

The Scraper is able to navigate and report on the overall sentiment of the responses in the comments.

The Scraper is able to create alternative actions / suggest comebacks to steer away from potential cyber threats/ fake news revolving Sarawak politics.

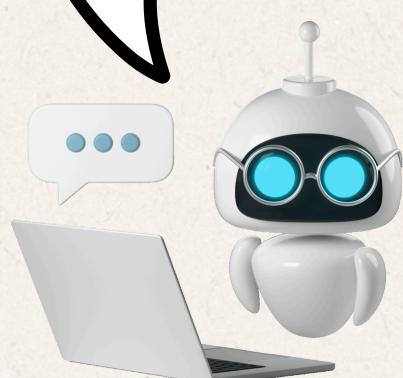
# Project S (cont') Frontend

The Scraper needs to be designed with good UI/UX as the ministers and ADUN members (PBB) will be able to access the tech and navigate their constituents over time.



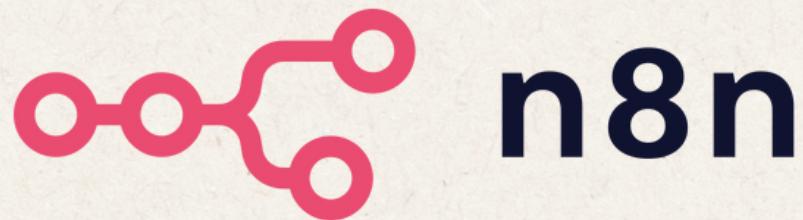
**\*\*PLEASE COMMENT  
ON THE FRONTEND  
STACK BEST TO SUIT  
THESE NEEDS.**

Hi Scraper, how is Serian doing ?  
What are the issues in kuching ?



# Project S (cont) (Backend)

Local deployment is preferred when deploying the reasoning 20B model.

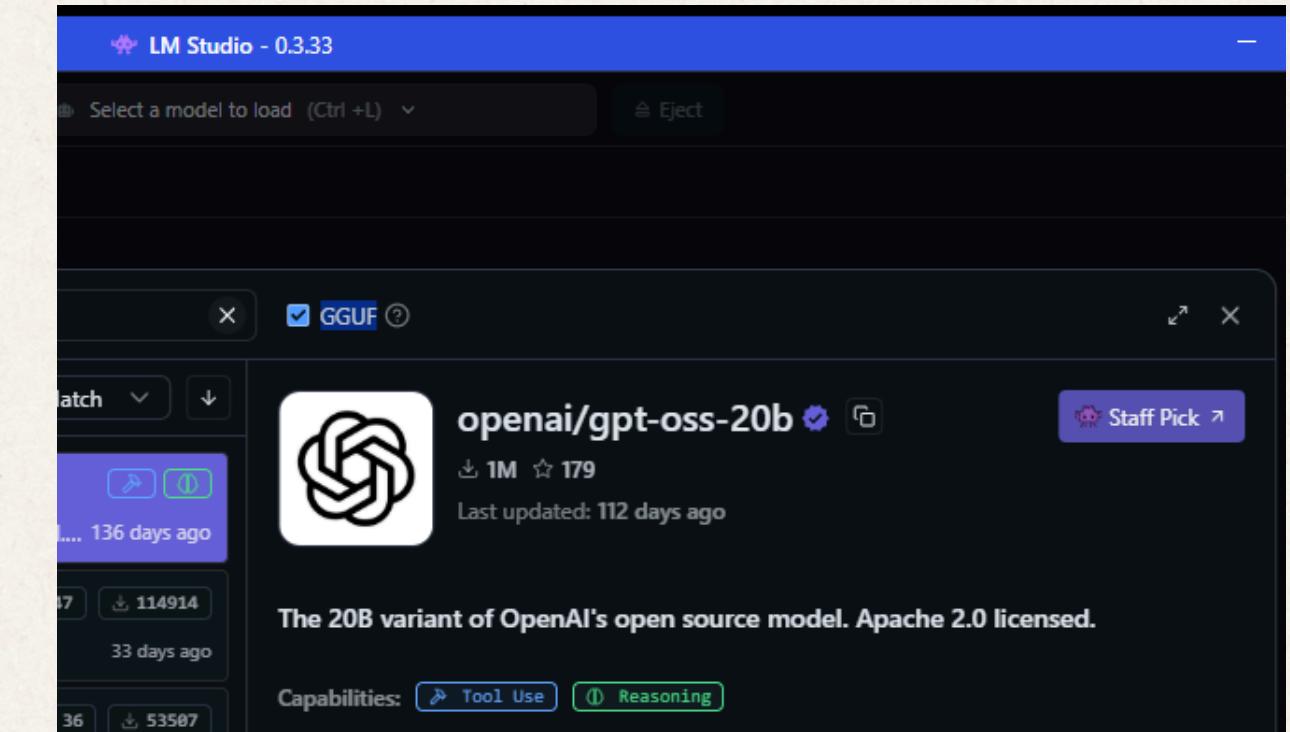


Automation workflows are needed to systematically synchronize the steps needed to take specific actions within the Scraper



Apify models for tiktok scraper are already built so we want to leverage this with these features.

- time scheduled scraping (every hour, every day)
- total videos scraped
- total comments scraped.



System prompts are needed for the reasoning model to work for the purpose of project S.

Reasoning models are needed to justify the sentiment and accurately suggest narratives to feedback to the constituents.

**\*\*THIS MAY NOT BE SUFFICIENT. PLEASE  
COMMENT AND FEEDBACK.**

# Project S

## Questions

Can the stack be able to suggest the next best course of action based on the reasoning model ?

how are we going to structure the systems prompt to make it "reasonable" and "accurate" ??

Knowing the current issues with cloudflare, if cloudflare goes offline, then so does the scraper.

so is there a possibility to host ALL OF ITS FUNCTION LOCALLY TO AVOID THIS ?

Can the scraper perform under the current form, by scraping  
10k videos a day?  
if not why?  
if can how?

how long does it take to scrape 10k vids a day to create the accurate sentiment report ?

Assuming that the budget is sufficient, how many GPUS deployed locally is needed to run the scraper efficiently ?

What about unforseen circumstances like blackouts ? do we need to transfer the scraper to a cloud so that it can still run while we fix the hardware issue ?

Are we able to automate content generation, for example, to counter reply to the content that shows the "fake news" ?

Are we able to identify profiles that are BOTS vs profiles that are from REAL HUMANS based on the performance of the scraper ?

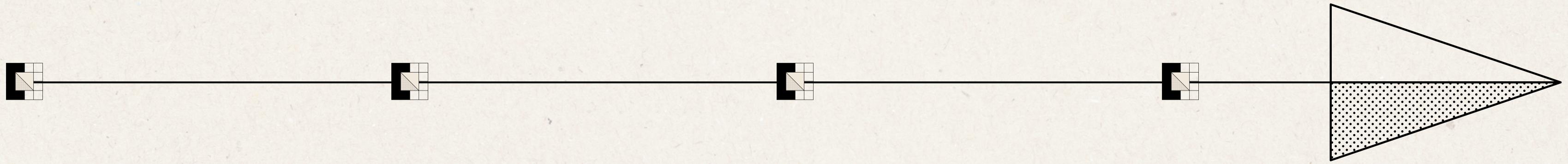
**\*\*THIS MAY NOT BE SUFFICIENT. PLEASE COMMENT AND FEEDBACK.**

# Timeline

Briefly discuss the key dates for the project.

Next Sarawak state election / Date

Sat, Apr 10, 2027



**Jan-Feb 26'**

Ideation/Discussions  
and Prototypes

**Mar-Apr 26'**

Model readiness/  
Development/ Training  
(Injection of Funds)

**May-Jun 26'**

Testing/Comissioning  
/Deployment

**3<sup>rd</sup> 4<sup>th</sup> quarter**

Continuation

# **Few things we need to do....**

Budget is still not determined as of yet. As the requirements grow with the demand from the party.

We need to have at least a prototype before we go to present to the government.

We need a good name/ brand for this AI.

This is not a one time project. This is a continuous project that requires maintenance, monitoring and improvements as we go along.

## **QUESTIONS ?**

# Resolution (Branding) -Z

## Branding

@Z to look into a brand name for Sarawak Context. Suggest a few names. brainstorm.

-looked as a portal: MyRakyat

-but what about, looking into the term "ibu pertiwi" ?

Include colour shemes that suggest the representation of the brand.



Ibu Pertiwiku  
Musical composition by Wan Othman Hamid

IBU PERTIWIKU

1:19

YouTube • Channel Cikgu Richard  
LAGU IBU PERTIWIKU

Ibu Pertiwiku is the official state anthem of Sarawak, Malaysia. The song was adopted in 1988, alongside the adoption of the new State Flag as well, in conjunction with the 25th anniversary of Sarawak's Independence within Malaysia.

Source: Wikipedia

The yellow background is said to represent the Malays and the red and black lines represent the Chinese and Dayak communities. The crown symbolises the Rajah of Sarawak and its five points stand for the five territorial divisions of the time.

Wikipedia  
[https://en.wikipedia.org/wiki/Flag\\_of\\_Sarawak](https://en.wikipedia.org/wiki/Flag_of_Sarawak)

Flag of Sarawak - Wikipedia

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Wikimedia Commons  
[https://commons.wikimedia.org/wiki/File:Flag\\_of\\_Sarawak.svg](https://commons.wikimedia.org/wiki/File:Flag_of_Sarawak.svg)

Sarawak

The flag of Sarawak, officially known as Ibu Pertwi, is the official flag of Sarawak, a state in Malaysia.

Source: Wikipedia

motto ?

Ensure that the colour scheme is identified into the dashboard prototype

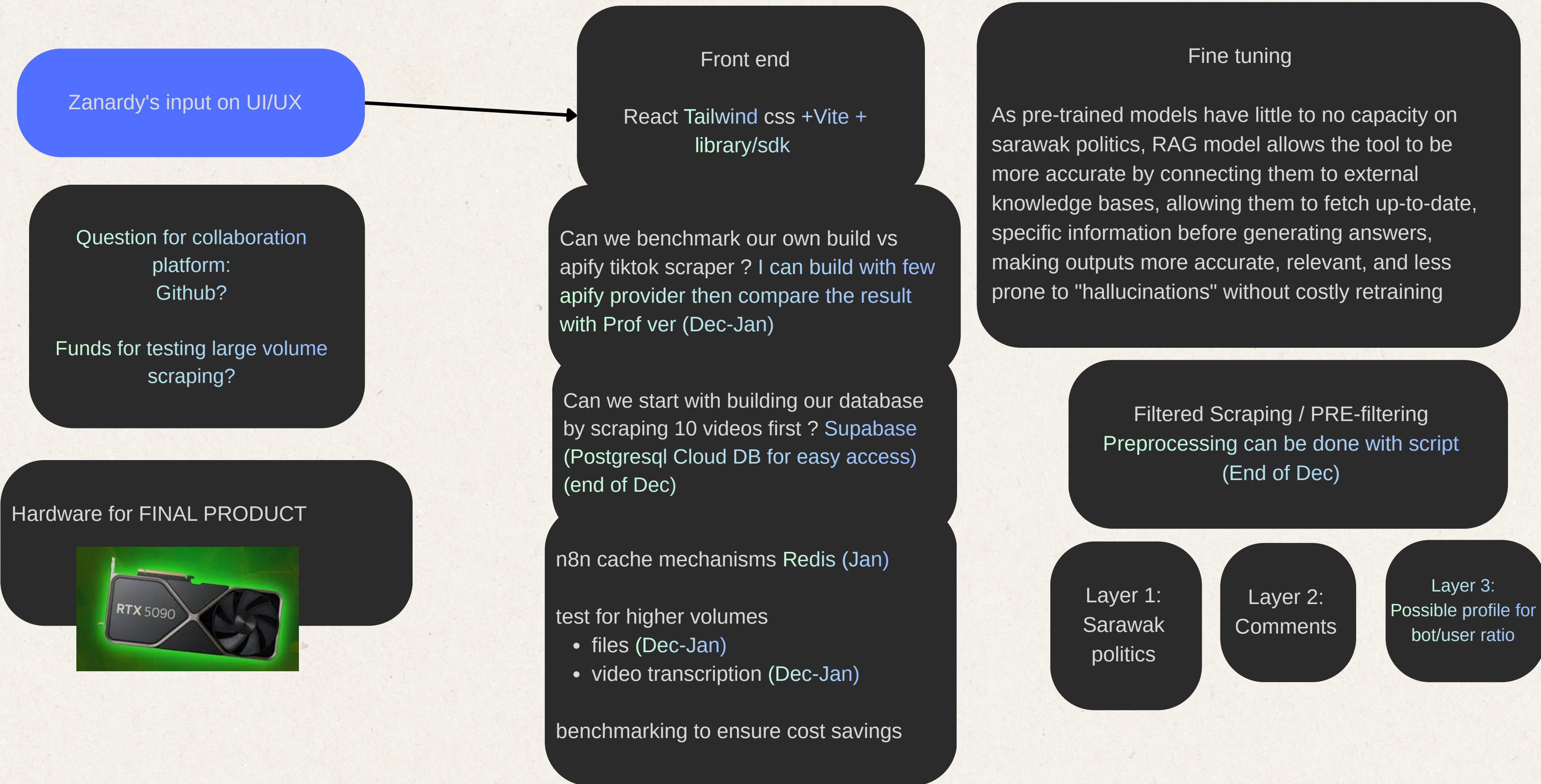
\*the right colour code is essential\*

Suggest a wireframe UX/UI to allow for easy use.

Boomer Proof UI. Remember, this tool will be used by ages 60+. So balancing both the usability, flexibility behind it can be a challenge.

# Resolution (Front-end/ Backend)

## Prof & Sebastian



## Potential Threats

1. I just found out that TikTok equipped with anti-bot measures makes scraper sometimes breaks. That is why we need to consider on the “Proxies”. Meaning from real home internet connection (Unifi). We need several residential proxies so TikTok will detect the request come from different places and will not ban users. ([Prof & Sebastian to look into using proxy servers](#))

2. We will be facing with Sarawak ethnics language barrier. Chatgpt / Llama will not able to understand those languages and will come out with false results. We can include some ethnic dialect AI dictionary systems which I already built to counter this issue. ([Prof to build the knowledge base for BM/ENG/Bhs Sarawak](#))

**TikTok profiles data**

**Search**

Alternatively, add a keyword and the scraper will extract all tiktoks and profiles that contain it. Don't forget to fill out the **Number of videos** you want to scrape in the section above.

**Search queries**

- 1 sarawak government
- 2 abang johari

+ Add Bulk edit Remove empty fields

**Top/Video/Profile section**

Video

**Number of profiles per query**

50 profiles

**Search sorting**

Latest

**Search date filter**

Past week

**Run - TikTok Scraper Actor**

Succeeded Scraped 36/36 posts for top-level comments. Total comments scraped: 210. \$0.542 | 2025-12-23 19:45 | 4 m 25 s More details >

Output 36 Log Input Storage Live view Triggered integrations 0

Overview Posts Authors Music Video All fields

Preview in new tab Table JSON Table settings

#	Author's Avatar	Author authorMeta.name	Text text	Diggs diggCount	Shares shareCount	Plays playCount	Comments commentCount	Bookmarks collectCount	Duration (seconds) videoMeta.duration	Music musicMeta.musicName
1		abangcikal20		37	0	255	0	2	45.001	Ku Tiah Jatuh Cinta - AGNEZ MO
2		dapobujang_	* kami tak ramai , tapi kami usaha sebaik mungkin untuk sediakan makanan yg sedap2 untuk kurang andai ada kekurangan jangan lah jatuh kan empayar kami dgn corakkan nya \ud83e\udd72 . DM saya atau direct call saya 😊 insyaallah saya akan bertanggungjawab . " Nak naik 1 branding bukan semudah yg anda lihat atau semudah ABC . Tapi semua melalui proses PENGORBANAN \u00d7LELAH KERINGAT yg tak pernah henti berusaha ❤ . Apapun saya ucapan ribuan terima kasih pada Lover laksya yg selalu support kami dari awal sehingga sekarang ❤ semoga Allah balas... ...	41	4	1454	9	2	60.04	original sound - ibeshirasarah
3		budakkompanghtcm	Kompong TV Ep. 51 Review Kompong Abang Sidai Berminat Sila Hubungi Nombor Di Bio Cikgu @penchenthaqhasheh #kompong #fypmalaysia #fypoooooooooooooo #fypviraltiktok #typ @B40M40 ShOp @Mr.Baginda @johnharith @Shahboyot @afiz5773 @irikhuzifaz ...	49	7	1472	6	2	102.834	original sound - farizaljenk
4		arajohari_fans2	@arajohariofficial	75	0	933	0	4	6.618	original sound - arajohari_fans2
5		abangcikal20		60	1	263	10	6	8.01	original sound - beken_
6		pbbn50machan	Kanowit : Lawatan Kerja dan Perasmian Perkhidmatan Feri Kanowit-Sedaya telah berlangsung dengan jayanya pada hari ini. Acara simbolik memotong riben oleh Yb Allan Siden Gramong (ADUN N50 Machan), Yb Anyi Jana (ADUN N49 Ngemah), Dr Stephen William Setiausaha politik kepada Menteri Pepaduan Malaysia dan beberapa agensi yang terlibat mendanakan pelancaran permulaan operasi feri, yang bakal mengukuhkan jaringan pengangkutan air serta memacu ekonomi antara kanowit dan Ngemah. Turut hadir Pemancha-Pemancha.Pengulu-Pengulu.Konselor... ...	224	28	6718	3	9	22.9	original sound - pbbn50machan
7		syazz289	versi ajer\ud83e\udd0d\ud83e\uddf8 #ajerforever #ajer #ervanrizuan #arajohari #fypoooooooooooooo @Erwan Rizuan @Ara Johari ...	105	1	668	0	12	18.56	original sound - syafa.rgalang.sid
8		pojie2nd	TERIMA KASIH 2025.. JUMPA LAGI TAHUN DEPAN.. TERLALU BANYAK KENANGAN PADA TAHUN NI.. SAYA MINTAK MAAF DAN SAYA MAAFKAN SEMUA.. @Legasi_rp23 @Caman. @爪尺乃日D Y G4 すR'D\ud83e\uddf8 @Kingzmanz @umai @\ud835\ude82\ud835\ude8c\ud835\ude98\ud835\ude9e\ud835\udff8\ud835\udff6\ud835\ude9d\ud835\ude835\ude7a\ud835\ude95\ud835\ude8a\ud835\ude97\ud835\ude90 @jurulatihlapok(abngnghah) @bonjoi @MuhdWafi @nanad @ain @Asri Malek @Errrr @izzahSunkisz @N A N A \ud83e\uddf8 ...	81	36	653	13	4	30.617	original sound - pojie2nd
9		maiman_823	phm 🎶 🎵 🎧 #ervanrizuan #ervanpakpak #arajohari #AJER #fypoooooooooooooo	625	25	16526	17	76	20.434	original sound - maiman_823
10		huder253	#aiteam #capira #mira #capik @bukanmiraaa @Capikjohari	166	0	2320	1	11	13.734	original sound - 467.1718
11		rinayahya77	Rosak graduan hari ini.Ara Johari pulak buat hal \ud83d\ude1c #konvokptm41 #konvokptm03 #arajohari							
12		swgone22	When dj #erafm terlalu excited 😊 @Ara Johari #typ #arajohari							

**TikTok Scraper** Pay per event

clockworks/tiktok-scraper Limited permissions ★ 4.7 (16) 1.2K 106K 4.9K Crafted by Clockworks Maintained by Apify

**TikTok comments**

Input Information Runs 3 Builds 107 Integrations 0 Monitoring Issues 13 Saved tasks 1 Reviews

Scrape comments from the videos requested. The link to the dataset will be under a field commentsDatas output.

Choose your starting point: hashtags 🌐, profiles 📸, search results 🔎, or specific tiktoks 🎥. To try the scraper, just add a hashtag, then indicate how many tiktoks you want extracted in the Number of videos and hit the Start button. Here's a tutorial to help.

Videos with this hashtag 🎥

+ Add Bulk edit Remove empty fields

Number of videos per hashtag, profile or search 🎯

50 videos

**Scrape as in a country filter**