🧠 Project Notes — WhatsApp + YouTube Data Integration (Simplified Developer Brief)

1. WhatsApp Data

- I already have a CSV exported from our WhatsApp AI channel.

The final structure we want is:

```
Date | Name of Channel | Category | Title | URL link | Description | Thumbnail image | Platform |
Tags | Followers
```

-
- Many fields are missing — these should be fetched automatically via the connected APIs (YouTube API, TikTok/Instagram oEmbed, etc.).

- The system should detect the platform automatically.

- When data is added, new links should always appear **at the top** of the Google Sheet (newest first).

---

2. YouTube Playlist

- I have a **YouTube playlist** with around **200 AI-related channels**.

- We need to **export all videos** from those channels and create a dataset from them.

- The system should **cross-check** these channels and videos with the WhatsApp CSV to avoid duplicates.

- If a creator exists in both datasets (e.g., "RourkeHeath"), all his videos should be **grouped together** in each tab of the Google Sheet (WhatsApp tab and YouTube tab).

- The automation will **run every 3 days** and fetch new videos uploaded by those 200 channels.

---

3. Google Sheet Setup

- There will be **one main Google Sheet** with **two tabs:**

  - **WhatsApp Tab**

  - **YouTube Tab**

- Each tab should:

  - Be sorted **newest to oldest** (latest videos on top).

  - Group videos **by channel name** (all from the same creator together).

  - Include a **search field** (e.g., if I search "AI influencers," highlight any rows containing that word in the title, tags, or description).

---

4. Automation Logic

- **WhatsApp Automation**

  - Trigger: every time a new link is added to the WhatsApp channel.

  - Action: detect platform → fetch details via APIs → add to WhatsApp tab in Google Sheet.

- **YouTube Automation**

  - Trigger: every 3 days.

  - Action: fetch new videos from the ~200 channels → enrich data → add to YouTube tab.

  - Avoid duplicates and group by channel name.

---

5. Notifications

- After each YouTube automation run:

  - Send an **email** confirming completion.

  - Email includes:

    - Total number of new videos added (e.g., "30 new videos added").

    - A list with each new video's **title**, **thumbnail**, and **YouTube link**.