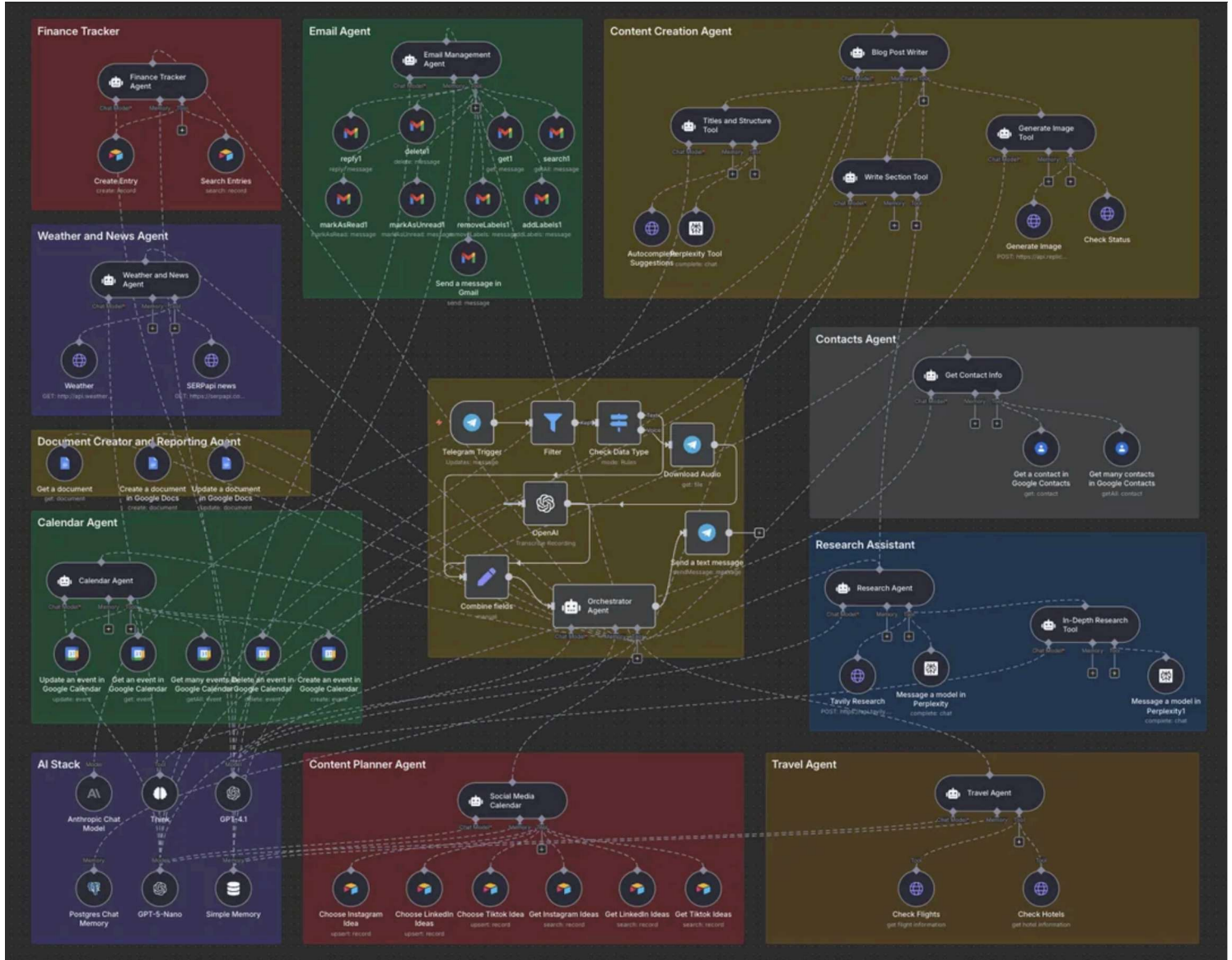Wyszukaj w r/n8n   Utwórz

r/n8n • 2 dni temu
LargePay1357

I Built an AI Agent Army in n8n That Completely Replaced My Personal Assistant

Workflow - Code Included

JSON: https://github.com/shabbirun/redesigned-octo-barnacle/blob/cd5d0a06421243d16c29f1310880e59761ce6621/Personal%20Assistant.json

YouTube Overview: https://www.youtube.com/watch?v=8pd1MryDvlY

TL;DR: Created a comprehensive AI assistant system using n8n that handles everything from emails to travel planning through Telegram. It's like having a $5000/month assistant that works 24/7.

I was spending way too much time on repetitive tasks - managing emails, scheduling meetings, tracking expenses, researching topics, and planning content. Hiring a personal assistant would cost $5k+ monthly, and they'd still need training and breaks.

The Solution: An AI Agent Army

+ Utwórz   🔔

The Architecture

Core Orchestrator Agent

- Master brain that routes requests to specialized agents
- Uses GPT-4.1 for complex reasoning
- Has memory (PostgreSQL) for context across conversations
- Handles natural language understanding of what I need

The Specialized Agents:

📧 Email Management Agent

- Drafts, sends, and organizes emails
- Searches through email history
- Adds/removes labels automatically
- Can reply to emails with context

📅 Calendar Agent

- Books meetings and manages schedule
- Creates, updates, deletes events
- Finds optimal meeting times
- Integrates with Google Calendar

💰 Finance Tracker Agent

- Logs expenses automatically
- Categorizes spending (food, travel, entertainment, etc.)
- Retrieves spending reports
- Uses Airtable as the database

🌍 Travel Agent

- Finds flights and hotels using SerpAPI
- Compares prices and options
- Books travel based on preferences
- Provides top 3 cost-effective recommendations

📰 Weather & News Agent

- Gets current weather with forecasts
- Fetches latest news on any topic
- Location-aware updates
- Uses WeatherAPI and SerpAPI

🔍 Research Agent

- Deep research using Tavily and Perplexity

+ Utwórz　🔔

- Provides cited, accurate information

✍️ Content Creation Agent

- Writes complete blog posts with SEO optimization
- Generates images using Flux via Replicate
- Creates Google Docs automatically
- Includes proper H2/H3 structure and sourcing

🗓️ Social Media Calendar Agent

- Manages content ideas for Instagram, LinkedIn, TikTok
- Suggests frameworks for posts
- Integrates with Airtable database
- Helps choose and reject content ideas

👥 Contact Manager Agent

- Searches Google Contacts
- Finds email addresses and phone numbers
- Integrates with other agents for meeting booking

How I Use It

Voice Commands via Telegram:

- "Log lunch expense 500 rupees"
- "What's the weather tomorrow?"
- "Find flights from Mumbai to Dubai next week"
- "Write a blog post about AI automation"
- "Schedule a meeting with John next Tuesday"

Text Commands:

- Research requests with automatic source citation
- Email management and responses
- Content planning and creation
- Expense tracking and reporting

The Tech Stack

- **n8n** - Main automation platform
- **GPT-4.1** - Primary language model for orchestration
- **Claude Sonnet 4** - For content creation tasks
- **Telegram** - User interface (text + voice)
- **PostgreSQL** - Memory storage
- **Airtable** - Data management
- **Google Workspace** - Calendar, Contacts, Docs
- **SerpAPI** - News, flights, hotels

Utwórz

The Results

- **Saves 20+ hours per week** on routine tasks
- **Never forgets** to log expenses or appointments
- **Instant research** on any topic with sources
- **Professional content creation** in minutes
- **Travel planning** that used to take hours now takes seconds
- **Email zero** is actually achievable now

What Makes This Special

Unlike simple chatbots, this system actually **executes** tasks. It doesn't just tell you what to do - it does it. Books the meeting, sends the email, logs the expense, creates the document.

The magic is in the orchestration layer that understands context and routes complex requests to the right specialized agents, then combines their outputs into coherent responses.

Technical Challenges Solved

- **Context switching** between different types of requests
- **Memory persistence** across sessions
- **Error handling** when APIs fail
- **Natural language** to structured data conversion
- **Multi-step workflows** that require decision-making

Want to Build This?

The entire workflow is available as a template. Key things you'll need:

- n8n instance (cloud or self-hosted)
- API keys for OpenAI, Anthropic, SerpAPI, etc.
- Google Workspace access
- Telegram bot setup
- PostgreSQL database for memory

Happy to answer questions about the implementation!

⬆ 1,3 tys. ⬇   💬 182   🤝 1   ↗ Udostępnij

Dołącz do konwersacji

Sortuj według: **Najlepsze** ⌄   🔍 Wyszukaj komentarze

⊕ **AutoModerator** OSOBA MODERUJĄCA • 2 dni temu • 📌 Przyklejony komentarz

themasterofbation • 2 dni temu

Pomiń i przejdź do treści głównej

+ Utwórz

346   Odpowiedz   ...

LargePay1357 ORYGINALNA OSOBA POSTUJĄCA • 2 dni temu

🤣🤣

16   Odpowiedz   ...

gladue • 2 dni temu

🥳 this is funny cuz it's true.

9   Odpowiedz   ...

Particular-Sea2005 • 2 dni temu

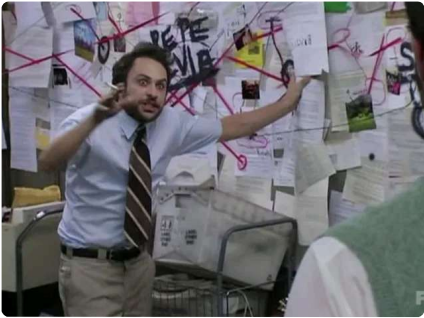As soon as there is a change in the spec you can hire they back

9   Odpowiedz   ...

⊕ Jeszcze 1 odpowiedź

whoelseisthere • 2 dni temu

124   Odpowiedz   ...

Particular-Sea2005 • 2 dni temu

OP trying to justify a $5000/month assistant

31   Odpowiedz   ...

UteForLife • 2 dni temu

And yet they are in India

Pomiń i przejdź do treści głównej

╋ Utwórz   🔔   👤

... or Indonesia

⊖ ⬆ 4 ⬇   💬 Odpowiedz   ⋯

UteForLife • 2 dni temu

Neither pay $5k/month

⬆ 3 ⬇   💬 Odpowiedz   ⋯

⊕ Jeszcze 3 odpowiedzi

stiky21 • 2 dni temu

It didn't replace anything because you never had anything to replace.

Couldn't even write your own post yourself.

⊖ ⬆ 77 ⬇   💬 Odpowiedz   ⋯

Mr_Hyper_Focus • 2 dni temu

Glaringly true.

⬆ 13 ⬇   💬 Odpowiedz   ⋯

⊕ Jeszcze 1 odpowiedź

Clear_Anything1232 • 2 dni temu

Yes, but can it run doom?

⊖ ⬆ 53 ⬇   💬 Odpowiedz   ⋯

Pretend_Ease9550 • 20 godz. temu

No but it can run Skyrim

⬆ 2 ⬇   💬 Odpowiedz   ⋯

stevengineer • 18 godz. temu

Wait ... I bet it can ... Ugh I have enough projects

⬆ 2 ⬇   💬 Odpowiedz   ⋯

60finch • 2 dni temu

Bullshit, you can't even find the problem if something doesn't work. Something always doesn't work btw

⊖ ⬆ 52 ⬇   💬 Odpowiedz   ⋯

60finch • 2 dni temu

I was a bit harsh sorry. I appreciate you've shared the workflow anyways.

⊖ ⬆ 27 ⬇   💬 Odpowiedz   ⋯

ApplePenguinBaguette • 2 dni temu

+ Utwórz

cimulate · 2 dni temu

⬆ 17 ⬇   💬 Odpowiedz   ⋯

micre8tive · 2 dni temu

There's a perfect sub for the immediate growth you showed…I just know it…

⊖ ⬆ 6 ⬇   💬 Odpowiedz   ⋯

phoenixlives65 · 2 dni temu

r/characterarcs

⬆ 2 ⬇   💬 Odpowiedz   ⋯

⊕ Jeszcze 1 odpowiedź

⊕ Jeszcze 1 odpowiedź

allesfliesst · 2 dni temu

Kudos for being a good person.

⬆ 3 ⬇   💬 Odpowiedz   ⋯

Vast_Yak_4147 · 2 dni temu

harsh but true, you know someone is new to n8n or using it for clout when they post these

⬆ 2 ⬇   💬 Odpowiedz   ⋯

_thedeveloper · 2 dni temu

That's probably because you just try to copy workflows and have no knowledge of things actually work.

⊖ ⬆ 7 ⬇   💬 Odpowiedz   ⋯

60finch · 2 dni temu

Exactly

⬆ 2 ⬇   💬 Odpowiedz   ⋯

T_O_beats · 2 dni temu

Where's your error handling? I swear I've never seen a single one of these 'I automated everything' post to handle even a single error. It's insane.

Also, this isn't how you build these. Each agent should be it's own workflow and you have a master agent that knows how to kick off tasks to the correct one. Separation of concerns and isolation of failure where possible is incredibly important.

Pomiń i przejdź do treści głównej

+ Utwórz

It's mostly some screenshot collage

↑ 5 ↓   ○ Odpowiedz   ...

⊕ Jeszcze 2 odpowiedzi

Excellent-Apple-5524 • 2 dni temu

That looks not for production usage

⊖ ↑ 34 ↓   ○ Odpowiedz   ...

LargePay1357 ORYGINALNA OSOBA POSTUJĄCA • 2 dni temu

All the agents are separate so while it looks complex it can be used for production. Have been using it for a while

⊖ ↑ 4 ↓   ○ Odpowiedz   ...

Jklindsay23 • 2 dni temu

Can you display some of the outputs or examples of use cases in real time? This is awesome

↑ 3 ↓   ○ Odpowiedz   ...

⊕ Jeszcze 2 odpowiedzi

Versp_1 • 2 dni temu

This looks like a lot of hard work! Curious... With all the API's... How much does it roughly cost to run? Is it easy to quantify per task?

↑ 11 ↓   ○ Odpowiedz   ...

⊕ Jeszcze 3 odpowiedzi

vamonosgeek • 2 dni temu

These posts are pretty lame tbh.

↑ 9 ↓   ○ Odpowiedz   ...

ChaseAI • 2 dni temu
🏷 Top 1% komentujących

I think its a rite of passage for every aspiring n8n content creator to put together some hideous monstrosity like this under the guise of a "super agent personal assistant". They rack up views every time.

It's a great exercise for people first getting into the space as it hits on a ton of AI fundamentals but it's usefulness really ends there.

I would bet my entire life you are not saving 20+ hours a week due to this thing like you claim haha.

⊖ ↑ 22 ↓   ○ Odpowiedz   ...

riceinmybelly • 2 dni temu
🏷 Top 1% komentujących

+ Utwórz

really helped when trying some things out.

⊖ ⌃ 2 ⌄   ○ Odpowiedz   ⋯

ChaseAI • 2 dni temu
🌊 Top 1% komentujących

Yea you could always add more error handling to most workflows. Like you mentioned though, there is always a balance between viewing experience and complexity, especially when its a low code, "nontechnical" audience.

As for Supabase vs Qdrant-- personal preference mainly.

⌃ 3 ⌄   ○ Odpowiedz   ⋯

⊕ Jeszcze 3 odpowiedzi

wasdxqwerty • 2 dni temu

at a glance it looks chaotic but seems like every ai agent tools were just compressed into a square for image purpose lol

⌃ 7 ⌄   ○ Odpowiedz   ⋯

shesprettytechnical • 2 dni temu

This looks like my literal nightmare.

⌃ 5 ⌄   ○ Odpowiedz   ⋯

babouche_Powerful • 2 dni temu

rip debugging response issue

⌃ 5 ⌄   ○ Odpowiedz   ⋯

Krunkworx • 2 dni temu

"Write a blog post about AI automation"

Hahahahah fuck off mate

⌃ 5 ⌄   ○ Odpowiedz   ⋯

Own_Clue5716 • 2 dni temu

Solution looking for problems to solve

⌃ 8 ⌄   ○ Odpowiedz   ⋯

Lybchikfreed • 2 dni temu

How to turn life into slop

⌃ 4 ⌄   ○ Odpowiedz   ⋯

zseliakiraly • 1 dzień temu

Pomiń i przejdź do treści głównej

✛ Utwórz

⌃ 4 ⌄ ⦾ Odpowiedz ⋯

hedlercaie • 2 dni temu

bro excuse me but what the fuck

⌃ 6 ⌄ ⦾ Odpowiedz ⋯

umpolungfishtaco • 2 dni temu

could use more cowbell

⌃ 3 ⌄ ⦾ Odpowiedz ⋯

rompelii • 2 dni temu

Please create sub workflows.

⌃ 3 ⌄ ⦾ Odpowiedz ⋯

Mr_Hyper_Focus • 2 dni temu

No, no you didn't.

⌃ 3 ⌄ ⦾ Odpowiedz ⋯

Goldarr85 • 2 dni temu

This looks like an absolute mess, but as long as it works for you.

⌃ 5 ⌄ ⦾ Odpowiedz ⋯

pascalwhoop • 2 dni temu

The heck are you spending 20hours a week checking the weather and flights for 🤣 you're no McKinsey partner mate

⌃ 5 ⌄ ⦾ Odpowiedz ⋯

⊕ Jeszcze 1 odpowiedź

FAMEparty • 2 dni temu

Everyone commenting as if they can do the same thing. Bunch of negative Nancies.

⊖ ⌃ 6 ⌄ ⦾ Odpowiedz ⋯

Mr_Hyper_Focus • 2 dni temu

I mean, I'm sure most people here could make something that doesn't work and has little purpose

⌃ 6 ⌄ ⦾ Odpowiedz ⋯

francoistoo • 2 dni temu

bro turned 5 second tasks available on all phones into minute+ tasks

Pomiń i przejdź do treści głównej

＋ Utwórz 　🔔

CommercialComputer15 · 2 dni temu

OP likely just used an LLM to generate this n8n JSON

⬆ 4 ⬇ 　💬 Odpowiedz 　···

Specific_Dimension51 · 2 dni temu

Specialized agent sub-workflows will be your next solution to improve the readability of this global system.

⬆ 2 ⬇ 　💬 Odpowiedz 　···

reasonwashere · 2 dni temu

Ah the good old 'its not a, its b' gpt-4 tell. Also fyi most people who have a personal assistant wouldn't know what to do with this thing if it hit them on the head, let alone use it.

⬆ 2 ⬇ 　💬 Odpowiedz 　···

nemtudod · 2 dni temu

And i tried to connect 2 things and it constantly failed. :(

⬆ 2 ⬇ 　💬 Odpowiedz 　···

Hertje73 · 2 dni temu

Spaghet!!

⬆ 2 ⬇ 　💬 Odpowiedz 　···

beast_modus · 2 dni temu

Now you need an assistant

⬆ 2 ⬇ 　💬 Odpowiedz 　···

PeachScary413 · 2 dni temu

Holy overengineering batman

⬆ 2 ⬇ 　💬 Odpowiedz 　···

Sagarret · 2 dni temu

I think it will require way more maintenance and expansion time than the time it will save you considering that the results it will deliver will be at best mediocre.

⬆ 2 ⬇ 　💬 Odpowiedz 　···

Ok-Fish-5367 · 2 dni temu

LOL!

⬆ 2 ⬇ 　💬 Odpowiedz 　···

                                                                    + Utwórz   🔔   🟣

lipstick.

⬆ 2 ⬇   💬 Odpowiedz   ···

rdennis452 · 2 dni temu

My 1st thought - what a mess.

⬆ 3 ⬇   💬 Odpowiedz   ···

ApprehensiveSalad519 · 2 dni temu

lol

⬆ 2 ⬇   💬 Odpowiedz   ···

Early-Inflation-5939 · 2 dni temu

Oh, gosh 😁

⬆ 2 ⬇   💬 Odpowiedz   ···

Inside_Source_6544 · 2 dni temu

There is something beautiful about simple solutions and this is the exact opposite of that

⬆ 2 ⬇   💬 Odpowiedz   ···

chillebekk · 2 dni temu

Now you just need some AI bots to read the blog slop you publish.

⬆ 2 ⬇   💬 Odpowiedz   ···

Downtown-Baby-8820 · 2 dni temu

kiss

⬆ 2 ⬇   💬 Odpowiedz   ···

Optimal_Dust_266 · 2 dni temu

How much did you pay your assistant? From the looks of it, she was very dumb hahaha

⬆ 2 ⬇   💬 Odpowiedz   ···

Striking-Bluejay6155 · 2 dni temu

Seems ripe for a knowledge graph of who you are and your choices, which you can augment from when booking flights. etc.

⬆ 1 ⬇   💬 Odpowiedz   ···

spacecat002 · 2 dni temu

Pomiń i przejdź do treści głównej

+ Utwórz

⬆ 1 ⬇   💬 Odpowiedz   ...

ZealousidealRide7425 · 2 dni temu

Great 👍

⬆ 1 ⬇   💬 Odpowiedz   ...

samer16123 · 2 dni temu

Your assistant did a lot!! Keep him/ her

⬆ 1 ⬇   💬 Odpowiedz   ...

emlanis · 2 dni temu

this is wild... i feel like trying. how many hours did you put in building the ai agent army?

⬆ 1 ⬇   💬 Odpowiedz   ...

OConnellIT · 2 dni temu

Did you actually have an assistant?

⬆ 1 ⬇   💬 Odpowiedz   ...

Nocare420 · 2 dni temu
🛡 Top 1% postujących

Agents are always unreliable especially when it comes to Whatsapp tools. Or use a heavy anthropic model and call it a day ig.

⬆ 1 ⬇   💬 Odpowiedz   ...

lifemoments · 2 dni temu

Thanks for sharing the code.
Any reason you did not move agents as separate subflows? You could have added them as tools in the orchestrator.

⬆ 1 ⬇   💬 Odpowiedz   ...

⊕ Jeszcze 1 odpowiedź

oberynmviper · 2 dni temu

If you are not using subflows, you are not doing it right imo.

⬆ 1 ⬇   💬 Odpowiedz   ...

1amN0tSecC · 2 dni temu

Ngl i got scared looking at this 🙏 🫠

⬆ 1 ⬇   💬 Odpowiedz   ...

parth_janii · 2 dni temu

+ Utwórz

Might_Guy2748 • 2 dni temu

This looks crazy, what is it costing you to run this? And how/where are you hosting n8n?

⬆ 1 ⬇   💬 Odpowiedz   •••

Adidacta • 2 dni temu

Wow

⬆ 1 ⬇   💬 Odpowiedz   •••

GoldTea7698 • 2 dni temu

if that's true u gonna need the national bank to fund ur automation to work..

⬆ 1 ⬇   💬 Odpowiedz   •••

Temporary_Voice7712 • 2 dni temu

And how much does it cost you to maintain this assistant?

⬆ 1 ⬇   💬 Odpowiedz   •••

Temporary_Voice7712 • 2 dni temu

And how much does it cost you to maintain this assistant?

⬆ 1 ⬇   💬 Odpowiedz   •••

Just_Shitposting_ • 2 dni temu

OP: Why isn't anyone trying my "workflow"?

⬆ 1 ⬇   💬 Odpowiedz   •••

Particular-Sea2005 • 2 dni temu

On a serious note:

No User Feedback on Failure:

Unlikely to inform the user if an action silently fails (e.g., expenses not logged, event not added), which can decrease trust in the assistant.

Naughty assistant, you've been naughty

⬆ 1 ⬇   💬 Odpowiedz   •••

backflipbail • 2 dni temu

What you've created is a mess

⬆ 1 ⬇   💬 Odpowiedz   •••

⬆ 1 ⬇   💬 Odpowiedz   ⋯

ZealousidealRide7425 · 2 dni temu

Great !

⬆ 1 ⬇   💬 Odpowiedz   ⋯

Original-Sea-278 · 2 dni temu

I love it

⬆ 1 ⬇   💬 Odpowiedz   ⋯

Fishmonger67 · 2 dni temu

They raised their prices too much. Not worth it.

⬆ 1 ⬇   💬 Odpowiedz   ⋯

⊕ Jeszcze 1 odpowiedź

mrbobhunter · 2 dni temu

Thanks for sharing. This took time.

⬆ 1 ⬇   💬 Odpowiedz   ⋯

IftekharAhmed987 · 2 dni temu

boy o boy that surely looking beautiful!

⬆ 1 ⬇   💬 Odpowiedz   ⋯

aapta · 2 dni temu

Have you created using content creation agent - if yes can you share some links or samples here please

⬆ 1 ⬇   💬 Odpowiedz   ⋯

Odd-Measurement1305 · 2 dni temu

Can I have the JSON bro? 🙏🏽

⬆ 1 ⬇   💬 Odpowiedz   ⋯