Hands-on Workshop (Project Description)

QPulse Real-Time Anonymous Feedback

(Telegram + n8n + OpenAI)

A lightweight, real world scenario agentic workflow demo for collecting quick group sentiment and choices in minutes.

What it is

QPulse is a simple "ask → collect → summarize" system that lets a facilitator post a question, collect anonymous answers from a Telegram chat, and generate a results summary (including a winner + insights).

Where it's useful

- All-hands / retrospectives: quick anonymous feedback after a meeting
- Exit polls: immediate pulse on decisions or announcements
- Team decisions: pick a restaurant, movie, activity, or hobby themes
- Workshops: demonstrate multi-agent orchestration using real tools

Core components

- n8n workflows for automation + orchestration
- Telegram bot interface for participants
- Data tables for storing questions and answers
- OpenAI model for summarization + "winner selection" + insights

How it works (3 workflows)

- 1) AddQuestion — A form posts a new question into QPulse_Questions with summaryDone=false.
- 2) UserResponse — A Telegram 'User Agent' shares the current question and stores responses into QPulse_Answers.
- 3) GetResults — A 'GateKeeper' fetches the latest open question, a 'Retriever' aggregates answers, and a 'Summarizer' produces a report.

Data model (tables)

- QPulse_Questions: question (string), summaryDone (boolean)
- QPulse_Answers: userId (string), question (string), answer (string)

Outputs

- Counts by answer option (or grouped themes)
- Winner selection (most frequent or best-quality response)
- Short summary of what the room is saying

Key learning goals (agentic AI)

- Role separation: GateKeeper → Retriever → Summarizer
- Tool-use patterns: agents calling data tools with structured outputs
- Reliability: schemas + deterministic storage + easy debugging in n8n