# Mimi - AI assistant for Cyber Valley

## Overview

### Final product

A multi-purpose Telegram bot that answers questions about Cyber Valley, tracks supply metrics, pushes task-status digests, and even lets authorised users order food from the kitchen — all while persisting context and transactions in a modern graph–relational store (CozoDB).

### Scope of features

Users will be able to:

| **#** | **Capability** | **Audience** |
| --- | --- | --- |
| 1 | “What is Cyber Valley?” → concise explainer | everyone |
| 2 | “Current supply of steel rods?” → bot reads numeric sheet, returns structured values | staff |
| 3 | “Update on Cyber Stove” → pulls board status & ticket comments | staff |
| 4 | “Weekly recap” → summarises week’s commits, tasks, orders | core |
| 5 | Chat harvesting → indexes all project Telegram groups for later search | core |
| 6 | “Order 3 veggie bowls at 12:30” → submits order if role ≥ staff | public / staff / core (configurable) |

The bot will:

* maintain long-term context in CozoDB
* enrich queries with metadata (e.g., sprint, component)
* scrape GitHub board fields and ticket service for status & transactions
* perform daily Russian follow-ups that prompt teams for end-of-day results
* expose an admin panel (CLI/low-code UI) to manage roles & budget limits

### Required data from client

1. GitHub org/api token + board structure
2. Access to Telegram groups (bot promotion to admin)
3. Ticketing-service API key & schema
4. Kitchen-ordering API endpoint & auth
5. VPS (or SSH root) credentials
6. Logseq export for migration test

### Questions/Risks

1. **Kitchen ordering API** — is there an existing REST endpoint?

## 

## Delivery plan

### Sprint 1 - Core bot & Q&A

Features:

* Telegram bot
* Cyber Valley FAQ embedding & chat flow
* Supply-state parser (spreadsheet ⇄ JSON)
* Docker build & CI pipeline

Duration: 2-3 weeks

Costs: $4,500

### Sprint 2 - Tasks, Digests & Context

Features:

* GitHub board & ticket crawlers
* “/status <task>” command
* Weekly recap generator
* CozoDB instance & Logseq migration script

Duration: 2-3 weeks

Cost: $4,500

### Sprint 3 - Food ordering & Daily follow-up

Features:

* Role-based order flow (public / staff / core)
* Text-based kitchen orders
* Russian daily follow-up job
* Handover package: runbook, env vars, docker-compose

Duration: 2-3 weeks

Cost: $4,000

### Total costs

* Development: $12,500

### Tech Stack

* Backend: Python + Fastapi
* Database: PostgreSQL + CozoDB (Qdrant?)
* AI: Google Gemini (llama?)
* Cloud Services: DigitalOcean