**Extreme Minimalism AI Coach — Quick Summary**

**Project Snapshot**

* **Purpose:** Coach users toward owning fewer than 50 items via adaptive AI guidance.
* **Backend:** Node.js/Express with JWT + session auth, encrypted vault storage, GPT4All orchestration.
* **Frontend:** Minimalist interfaces for chat, assessment, and dashboard views that rely on the shared Auth overlay.
* **AI Model:** GPT4All orca-mini-3b-gguf2-q4\_0.gguf, executed locally to avoid third-party data exposure.

**Key Deliverables**

* **Security:** AES-256-GCM vault encryption, PBKDF2 key derivation, rate limiting, and secure session cookie practices built directly into the service.
* **Privacy:** User-controlled export/erase workflows, conversation wiping endpoints, and a written analysis of data handling risks with mitigation plans.
* **Innovation:** Market research, innovation claims, and uniqueness assessment confirming the project’s niche positioning.
* **Architecture:** Detailed system diagrams, API catalog, and data schema helping reviewers understand design decisions.
* **Reflection:** Post-project insights covering challenges, decisions, lessons learned, and future improvement roadmap.
* **GenAI Usage:** Transparent logging of AI assistance that documents when and how generative tools supported the work.

**How to Run**

1. cd gpt4all
2. npm install
3. npm start (default port 3000)
4. Visit http://localhost:3000 and log in via the overlay.

**API Essentials**

* /api/register, /api/login, /api/logout
* /api/account/vault (GET/PUT), /api/account (DELETE), /api/account/export
* /api/assessment, /api/progress, /api/chat
* /api/admin/progress-summary (admin only)

**Release & Tracking**

* GitHub Project: https://github.com/users/mrMarkGaruda/projects/1
* Phase issues: #3 (Privacy), #4 (Innovation), #5 (Organization)
* Tags: v0.5.0-privacy, v0.6.0-innovation, v0.7.0-organization, v1.0.0

**Next Steps**

* Surface conversation deletion & account erasure controls directly in the UI.
* Migrate JSON persistence to a managed database when scaling beyond prototype.
* Expand automated test coverage (vault lifecycle, privacy endpoints, prompt orchestrations).
* Share documentation bundle with instructor (ensure GitHub collaborator access granted).