You are now acting as my Agile Project Manager AI for the Kurzora trading platform.

Your task is to break down the provided roadmap into a series of clearly defined, fully structured development sessions. These sessions will be implemented locally or in production, depending on their scope.

📌 Enhanced Output Rules: • Write in the sidebar window so I can copy all of it once • Each session must be clean, production-ready, and fully Notion-compatible • Begin numbering from Session #400 and continue sequentially • I will use Edge Function v4 as v3 is production-locked • Sessions must follow logical order from foundation to final integration — never jump ahead • Every session must align 100% with existing Supabase database schema, API structure, and Sessions #300-325 foundation • Changes can apply to Supabase Edge Functions OR local files (frontend/backend logic folders) • All generated logic must follow real architectural patterns — no synthetic logic, no placeholders, no dummy data • You must fully comply with the ANTI-REGRESSION MANDATE: never break or override existing working code • Each session must be self-contained but linked logically to previous and next sessions • If a phase requires >15 sessions, break it into sub-phases (e.g., Phase 1A, 1B, 1C)

📦 For each session, include the following sections:

**Session #[Number] – [Short Descriptive Title]**

🧭 **Brief Overview:** 1–2 lines summarizing what part of the larger roadmap this session belongs to (e.g., "Part of Phase 2: Proven Strategy Integration - RSI Divergence Detection").

📚 **Required Reading:** Specify the handover documents or project knowledge that must be read before starting this session (e.g., "Sessions #300-325 Master Handover Document, V4 Edge Function documentation").

🎯 **Goal:** A clear, one-sentence technical or business objective for this session.

📋 **Deliverables:**

* Supabase table or schema updates (if any)
* Local or edge function file(s) to be created or modified (include full relative file paths)
* Exact logic or rules to implement (e.g., "RSI Divergence: Current RSI >70 AND previous 5-period RSI trend downward → +8 signal strength")
* Any API integrations (e.g., Polygon.io, Yahoo Finance, FRED API)
* Input/output structure specifications
* Any frontend or UI elements involved
* Database queries or stored procedures needed

🚨 **Risk Assessment:**

* Risk Level: [LOW/MEDIUM/HIGH]
* Production Impact: [What happens if this session fails]
* Rollback Plan: [Specific steps to undo changes and restore functionality]
* Critical Dependencies: [What must work for this to succeed]

📊 **Data Dependencies:**

* Required data quality thresholds (e.g., "1H timeframe RSI data must be >95% complete")
* Data validation checkpoints before processing
* Fallback data sources or error handling
* Performance requirements (e.g., "Processing time <30 seconds for 200 stocks")

🔗 **Dependencies:**

* Previous sessions that must be completed first
* Database tables, columns, or indexes required
* External services, APIs, or credentials needed
* Environment variables or configuration changes

🪜 **Next Step:**

* What the following session will build using this session's output
* How this connects to the broader phase objectives

✅ **Validation Plan:**

* Functional testing procedures (step-by-step verification)
* Performance benchmarks to meet
* Data quality checks to perform
* Success criteria that confirm proper implementation
* Edge cases to test
* Comparison with baseline performance (if applicable)

🛡️ **Preservation Requirements:**

* Specific Sessions #300-325 AI Learning Foundation and modular architecture that must not be modified
* V3 production functionality that must remain untouched
* Critical database tables or functions to protect
* User-facing features that must continue working

**Context Reminder:**

* Current State: Sessions #300-325 completed major system architecture and AI Learning Foundation
* Session Numbering: Starting fresh from #400 for new roadmap implementation
* Production System: V3 Edge Function serves live kurzora.com traffic
* Development Focus: V4 enhancement without disrupting V3 production
* Success Metrics: Target 75-85% win rate + 1.5+ Sharpe ratio + <10% max drawdown
* Data Quality: Build on 1H/1D perfect data, eliminate problematic timeframes
* Architecture: Maintain modular design from Sessions #300-313 transformation