📚 MANDATORY STARTUP SEQUENCE **STEP 1: Search Project Knowledge**

Use project\_knowledge\_search to find and read ALL project documents:

- Latest handover document

- Database schema and specifications

- Development status and progress notes

**STEP 2: Review Handover Document** I'll provide the complete handover document below with all technical details.

🛡️ CRITICAL SAFETY PROTOCOLS **🚨 ABSOLUTE REQUIREMENTS:**

1. **NEVER WRITE CODE WITHOUT PERMISSION** - Always ask to review existing code first
2. **ONE STEP AT A TIME** - Wait for "I've completed this step correctly" after each step
3. **PRESERVE WORKING FUNCTIONALITY** - Keep existing UI, don't overwrite code without review
4. **COMPLETE CODE ONLY** - Provide full, production-ready code in artifacts

🎯 IMMEDIATE TASK & PRIORITIES **CURRENT TASK:** CRITICAL Score Consistency Validation - Verify database timeframe scores vs calculateFinalScore function **COMPLETION STATUS:** 85% complete - Fixed multiple components to use calculateFinalScore consistently, but all now show 88 instead of expected 87 **IMMEDIATE NEXT STEP:** Validate NVDA database timeframe scores to determine if stored values match expected (1H:80, 4H:87, 1D:94, 1W:100) **FILES TO REVIEW FIRST:** Database validation and scoring function verification needed

* File 1: src/utils/signalCalculations.ts - contains working calculateFinalScore function (don't modify)
* File 2: Supabase database - check actual stored timeframe scores for NVDA signal
* File 3: Browser console - verify manual calculation vs function output **CURRENT BLOCKER:** Score inconsistency mystery - all components now consistently show 88 for NVDA instead of expected 87 **CRITICAL CONTEXT:** BUSINESS CRITICAL - Client trust issue. Expected: (80×0.4)+(87×0.3)+(94×0.2)+(100×0.1) = 87, but showing 88 everywhere

🔧 TECHNICAL CONTEXT **WHAT'S WORKING:**

* All components now use calculateFinalScore consistently
* SignalDetail.tsx fixed to use calculated score
* SignalsTest.tsx fixed via Cursor to use calculateFinalScore
* ExecuteTradeModal.tsx fixed via Cursor for consistent scoring
* Development server on localhost:8081
* Supabase database connection functional
* calculateFinalScore function working correctly

**WHAT'S BROKEN:**

* Score showing 88 everywhere instead of expected 87 for NVDA
* All other stocks showing different values between dashboard and signals page
* Potential data integrity issue or calculation logic error

**LAST SUCCESSFUL COMMAND:** npm run dev (localhost:8081 accessible) **CURRENT ERROR (if any):** No errors - platform runs smoothly but shows wrong calculated scores **ENVIRONMENT STATUS:** localhost:8081 working, npm run dev successful, all services operational

🎯 SESSION STARTUP WORKFLOW **REQUIRED STARTUP RESPONSE:**

"I've read your project knowledge and handover document.

Current task: CRITICAL Score Consistency Validation - Verify database timeframe scores vs calculateFinalScore function

Next step: Validate NVDA database timeframe scores to determine if stored values match expected (1H:80, 4H:87, 1D:94, 1W:100)

Before proceeding, may I review: src/utils/signalCalculations.ts and check Supabase database for actual NVDA timeframe scores?

I'll work one step at a time and wait for confirmation."

**DEVELOPMENT PATTERN:**

1. "Let me review [specific file] first"

2. "Here's my analysis and proposed approach"

3. "May I proceed with this change?"

4. WAIT for "Yes"

5. Implement change

6. "Please confirm this step works"

7. WAIT for confirmation

🚨 SPECIAL INSTRUCTIONS **URGENT:** Score consistency CRITICAL for client trust - must resolve NVDA showing 87 vs 88 discrepancy. Also need to commit fixes before session loss. **DON'T TOUCH:**

* src/utils/signalCalculations.ts (working calculateFinalScore function)
* Lovable UI components (preserve existing styling)
* Working scoring architecture and database structure
* Any components that are now working correctly

**INVESTOR DEMO:** Platform credibility depends on consistent scoring across all components **GIT SAFETY:** CRITICAL - Uncommitted score consistency fixes need immediate commit to prevent loss

⚠️ CRITICAL WARNINGS **NEVER:**

* ❌ Write code without permission
* ❌ Change calculateFinalScore function (it's working correctly)
* ❌ Modify database schema or signals JSONB structure
* ❌ Make multiple changes simultaneously

**ALWAYS:**

* ✅ Ask to review code first
* ✅ Wait for step-by-step confirmation
* ✅ Use existing calculateFinalScore(signal.signals) function
* ✅ Provide complete code artifacts
* ✅ Preserve all working UI components

🚀 START IMMEDIATELY Read the project knowledge, review the handover document below, then give me the required startup response focusing on the immediate task. **Remember: Safety first, one step at a time, ask permission before any code changes.**

**📋 HANDOVER DOCUMENT:** [PASTE THE COMPLETE SESSION #45 HANDOVER DOCUMENT FROM THE SIDEBAR ARTIFACT]

🚀 STRICT RULES: MUST FOLLOW **Please follow these rules strictly for every task:**

1. **Never write or suggest new code without first reviewing the existing code.**
2. **Do not ask me to search or modify code manually.** Always provide the **entire code for the full file** so I can copy and paste it directly.
3. **Proceed step by step.** After each step, wait for my confirmation before moving to the next.

**🔧 ADDITIONAL TOOLS AVAILABLE:**

* **Cursor Integration:** Can use Cursor for codebase analysis, SQL queries, or component searches
* **Browser Console Debugging:** F12 console for manual calculation verification
* **Supabase Dashboard:** Direct database access for data validation
* **SQL Queries:** Can write SQL to validate stored vs expected timeframe scores