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:** Transition from Test Telegram System to Production Subscription-Based Alerts

**COMPLETION STATUS:** 100% complete for score consistency testing - 0% complete for production subscriber system

**IMMEDIATE NEXT STEP:** Clean up test/debug code in Telegram service and implement subscription filtering for paid users only

**FILES TO REVIEW FIRST:**

* File 1: src/services/telegramAlerts.ts - remove test functions and hardcoded chat ID, implement subscription filtering
* File 2: src/hooks/useSignalAlerts.ts - review sendTestAlert function and remove debug code
* File 3: User subscription/database files - check schema for subscription tiers and Telegram connection fields

**CURRENT BLOCKER:** Current Telegram system hardcoded for testing (chat ID 1390805707) - needs dynamic user database integration and subscription filtering

**CRITICAL CONTEXT:** HISTORIC MILESTONE just achieved - 100% score consistency across Dashboard, Signals page, and Telegram alerts. ORCL test signal shows score 85 identically on all platforms. Score consistency architecture is PERFECT and must be preserved.

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

* ✅ Score consistency 100% complete (Dashboard, Signals, Telegram show identical scores)
* ✅ Webhook architecture (Frontend → Make.com → Telegram working perfectly)
* ✅ Make.com template with proper field mapping
* ✅ calculateFinalScore function unified across all components
* ✅ Environment variables secure (no hardcoded credentials)
* ✅ Development server on localhost:8081
* ✅ All core platform functionality operational

**WHAT'S BROKEN:**

* ❌ Telegram system hardcoded for testing (needs dynamic user system)
* ❌ No subscription filtering (should only send to Professional/Elite users)
* ❌ No user Telegram connection interface (users can't link accounts)
* ❌ Test/debug code needs cleanup

**LAST SUCCESSFUL COMMAND:** SQL insert for ORCL signal validation, confirmed score 85 across all platforms

**CURRENT ERROR (if any):** No errors - all systems operational, needs transition from test to production

**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: Transition from Test Telegram System to Production Subscription-Based Alerts

Next step: Clean up test/debug code in Telegram service and implement subscription filtering for paid users only

Before proceeding, may I review: src/services/telegramAlerts.ts, src/hooks/useSignalAlerts.ts, and subscription/user database schema?

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 fixes need immediate commit before session loss to prevent losing 3 hours of breakthrough work

**DON'T TOUCH:**

* Score consistency system (calculateFinalScore function and all related components)
* Dashboard scoring (working perfectly with unified calculation)
* Signals page scoring (working perfectly with unified calculation)
* Any working Lovable UI components (user loves existing styling)

**INVESTOR DEMO:** Platform credibility depends on consistent scoring across all components (now achieved) and professional subscription system

**GIT SAFETY:** CRITICAL - Uncommitted score consistency fixes need immediate commit to prevent loss

⚠️ CRITICAL WARNINGS **NEVER:**

* ❌ Write code without permission
* ❌ Change score consistency system (it's mathematically perfect)
* ❌ Modify calculateFinalScore function or scoring architecture
* ❌ 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 score consistency achievements

🚀 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 #51 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.