📚 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:** Fix Test User Authentication & Complete Subscription System Testing **COMPLETION STATUS:** 95% complete - Fresh vs Position filtering working perfectly, test user authentication blocked **IMMEDIATE NEXT STEP:** Resolve SQL test user login issues to enable subscription tier testing **FILES TO REVIEW FIRST:** Authentication and subscription components before resolving auth issues

* File 1: src/contexts/AuthContext.tsx - verify authentication patterns and user profile handling
* File 2: src/hooks/useSubscriptionTier.ts - understand subscription logic implementation
* File 3: src/components/dashboard/SignalHeatmap.tsx - review fresh vs position filtering implementation
* File 4: src/pages/Signals.tsx - verify subscription filtering logic

**CURRENT BLOCKER:** Test users created via SQL (pro@kurzora.com, trial@kurzora.com, starter@kurzora.com) cannot login - getting "invalid login credentials" error **CRITICAL CONTEXT:** Fresh vs Position subscription filtering 100% complete and working! Starter tier gets 3 fresh signals + unlimited view of existing positions. Professional gets unlimited. Need test user auth to validate the experience differences.

🔧 TECHNICAL CONTEXT **WHAT'S WORKING:** ✅ Fresh vs Position filtering logic (starter: 3 fresh + unlimited positions) ✅ Professional admin panel (100% complete with test@kurzora.com) ✅ Subscription tier detection and UI banners ✅ Dashboard and Signals page subscription-aware filtering ✅ Development server on localhost:8081 ✅ Real-time Supabase data integration ✅ Upgrade prompts showing hidden signal counts

**WHAT'S BROKEN:** ❌ SQL-created test users cannot authenticate (invalid credentials error) ❌ Unable to test subscription tier differences without working test accounts

**LAST SUCCESSFUL COMMAND:** npm run dev (localhost:8081 running perfectly) **CURRENT ERROR (if any):** Supabase auth error: "Invalid login credentials" for pro@kurzora.com, trial@kurzora.com, starter@kurzora.com **ENVIRONMENT STATUS:** localhost:8081 working perfectly, all services connected, development environment stable

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

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

Current task: Fix Test User Authentication & Complete Subscription System Testing

Next step: Resolve SQL test user login issues to enable subscription tier testing

Before proceeding, may I review: src/contexts/AuthContext.tsx, src/hooks/useSubscriptionTier.ts, src/components/dashboard/SignalHeatmap.tsx, src/pages/Signals.tsx?

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

**DEVELOPMENT PATTERN:**

1. "Let me review authentication components first"

2. "Here's my analysis of the auth issue and proposed fix"

3. "May I proceed with resolving the test user authentication?"

4. WAIT for "Yes"

5. Fix authentication issue

6. "Please confirm test users can now login"

7. WAIT for confirmation

🚨 SPECIAL INSTRUCTIONS **URGENT:** Test user authentication blocking subscription tier validation - critical for demonstrating subscription differences **DON'T TOUCH:**

* SignalHeatmap.tsx fresh vs position filtering (working perfectly)
* Signals.tsx subscription logic (working perfectly)
* Admin panel components (100% complete)
* Existing Lovable platform UI (user loves it)
* Working subscription tier detection and UI components

**INVESTOR DEMO:** Platform ready for demo with complete subscription system - just need test user auth resolution **GIT SAFETY:** Subscription filtering milestone ready for commit - should commit after auth resolution

⚠️ CRITICAL WARNINGS **NEVER:**

* ❌ Modify working subscription filtering logic (perfect as is)
* ❌ Change admin panel or existing UI components
* ❌ Break fresh vs position filtering implementation
* ❌ Alter main user authentication (test@kurzora.com working)

**ALWAYS:**

* ✅ Preserve complete subscription filtering functionality
* ✅ Maintain professional admin panel and UI standards
* ✅ Keep all working authentication for main users
* ✅ Follow established subscription tier patterns

🚀 START IMMEDIATELY Read the project knowledge, review the handover document below, then give me the required startup response focusing on resolving test user authentication.

**Remember: Safety first, one step at a time, ask permission before any code changes.**

**📋 HANDOVER DOCUMENT:** [PASTE THE COMPLETE HANDOVER DOCUMENT FROM THE PREVIOUS ARTIFACT HERE]

🚀 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.

🎯 SUCCESS FOUNDATION: Your subscription filtering is investor-demo ready! Fix the auth foundation to test the perfect subscription logic on this solid professional base.