📚 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:** Admin Panel Development - Build AdminLayout with navigation sidebar and AdminDashboard with user metrics

**COMPLETION STATUS:** 25% complete - AdminProtectedRoute working perfectly, admin authentication confirmed

**IMMEDIATE NEXT STEP:** Commit admin foundation work to GitHub, then create AdminLayout with navigation (Dashboard, Users, Settings)

**FILES TO REVIEW FIRST:** Admin foundation files that are working and should be preserved

* File 1: src/components/admin/AdminProtectedRoute.tsx - working admin authentication, don't modify
* File 2: src/App.tsx - has admin test route, review admin import pattern

**CURRENT BLOCKER:** None - admin authentication working, ready for interface development

**CRITICAL CONTEXT:** Admin authentication foundation complete and tested. Build admin interface on this solid foundation without breaking existing platform functionality.

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

* ✅ AdminProtectedRoute with email-based authentication
* ✅ Admin test page accessible at /admin-test
* ✅ All existing platform functionality (Dashboard, Signals, Navigation)
* ✅ Real data integration with Supabase
* ✅ Authentication system fully functional
* ✅ Development environment stable

**WHAT'S BROKEN:** Nothing - all admin authentication and platform features working perfectly

**LAST SUCCESSFUL COMMAND:** npm run dev (platform accessible on localhost:8081)

**CURRENT ERROR (if any):** No errors - all systems operational, admin access confirmed

**ENVIRONMENT STATUS:** localhost:8081 working perfectly, admin test route functional

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

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

Current task: Admin Panel Development - Build AdminLayout with navigation sidebar and AdminDashboard with user metrics

Next step: Commit admin foundation work to GitHub, then create AdminLayout with navigation (Dashboard, Users, Settings)

Before proceeding, may I review: src/components/admin/AdminProtectedRoute.tsx and src/App.tsx?

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

**DEVELOPMENT PATTERN:**

1. "Let me review AdminProtectedRoute.tsx and App.tsx first"

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

3. "May I proceed with creating AdminLayout?"

4. WAIT for "Yes"

5. Implement AdminLayout

6. "Please confirm this step works"

7. WAIT for confirmation

🚨 SPECIAL INSTRUCTIONS **URGENT:** Commit admin foundation files to GitHub before building new components for safety

**DON'T TOUCH:** AdminProtectedRoute.tsx (working perfectly), existing platform UI, navigation system, authentication

**INVESTOR DEMO:** Platform ready for demo with working admin access - continue building admin interface

**GIT SAFETY:** Need to commit admin foundation: git add . && git commit -m "🛡️ ADMIN FOUNDATION: AdminProtectedRoute working + test route"

⚠️ CRITICAL WARNINGS **NEVER:**

* ❌ Modify working AdminProtectedRoute.tsx
* ❌ Change existing platform UI or navigation
* ❌ Break admin authentication system
* ❌ Alter working Lovable components

**ALWAYS:**

* ✅ Preserve admin foundation achievements
* ✅ Build upon solid authentication base
* ✅ Maintain professional platform standards
* ✅ Use AdminProtectedRoute wrapper for all admin pages

🚀 START IMMEDIATELY Read the project knowledge, review the handover document below, then give me the required startup response focusing on building AdminLayout and AdminDashboard.

**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]

🚀 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.

🎯 ADMIN PANEL DEVELOPMENT ROADMAP **NEXT COMPONENTS TO BUILD:**

* AdminLayout.tsx (navigation sidebar with Dashboard, Users, Settings)
* AdminDashboard.tsx (user metrics, subscription stats, revenue tracking)
* AdminUsers.tsx (user management with subscription controls)
* AdminSettings.tsx (system configuration and feature toggles)

🎯 CURRENT FOUNDATION: Admin authentication working perfectly, ready for interface development!