

# Documentation Master Index

## Rocky Web Studio - 8 Week Implementation Plan

**Last Updated:** January 26, 2025

**Status:**  Complete & Ready to Use

**Confidence:** 95%

---

## Document Guide

### START HERE

**File:** docs/README-8-WEEK-PLAN.md

**Purpose:** How to use everything

**Read Time:** 5-10 minutes

**Action:** Read this first, then pick your next document


#### Contents:

- Step-by-step workflow for using all documents
  - Quick reference guides
  - Troubleshooting help
  - Document relationships
  - Status dashboard
- 

## Implementation Documents

### 1. 8\_WEEK\_PLAN\_CORRECTED.md MAIN PLAN

**Purpose:** Week-by-week implementation roadmap

**Status:**  Corrected and implementation-ready

#### Content:

- Weeks 2-8 breakdown (all 8 weeks)
- Specific tasks with time estimates
- Files to create/modify
- Acceptance criteria
- Corrected database schemas (UUID-based)
- Database SQL examples
- Implementation notes
- Protection rules included


**When to Use:** During development





**Action:** Open and follow week by week

#### Quick Navigation:

- **Week 2:** Testing & refinement (7h)
- **Week 3:** AI Assistant case study (7h)
- **Week 4:** Case studies database + admin (10h)
- **Week 5:** Testimonials system (6h)
- **Week 6:** Contact forms & leads (5h)
- **Week 7:** Government tender (3h)
- **Week 8:** Optimization (6h)

#### Key Features:

-  Uses existing case studies schema

-  All UUID primary keys
  -  TIMESTAMPTZ for timestamps
  -  Admin auth implementation notes
  -  Protection rules included
- 

## 2. `CURSOR-PROTECTION-GUIDE.md` **CRITICAL**

**Purpose:** Prevent breaking working features

**Status:**  Complete protection guide

### **Content:**

- Critical files (DO NOT BREAK)
- Caution files (modify carefully)
- Safe files (modify freely)
- Testing checklist (before every commit)
- Emergency recovery procedures
- Quick command reference




**When to Use:** Before modifying ANY existing code

**Action:** Check this before touching files

### **Critical Files Protected:**


- `app/api/ai-assistant/route.ts` (chat API)
- `components/AIAssistantWidget.tsx` (chat widget)
- `lib/claude.ts` (Claude API)
- `app/layout.tsx` (widget integration)
- Database migrations (immutable)
- Environment variables

### **Quick Reference:**

-  **DO NOT TOUCH** (without reading protection guide)
  -  **MODIFY CAREFULLY** (test thoroughly)
  -  **SAFE TO MODIFY** (still test)
- 

## 3. `8_WEEK_PLAN_ANALYSIS.md` **TECHNICAL DEEP DIVE**

**Purpose:** Detailed analysis of corrections & recommendations

**Status:**  Analysis complete

### **Content:**

- Discrepancies found (with explanations)
- Recommendations by priority (High/Medium/Low)
- Codebase alignment notes
- Questions for clarification
- Technical explanations

**When to Use:** For technical understanding


**Action:** Reference if you want to understand WHY corrections were made

### **Key Sections:**

- Original plan vs current state comparison
  - Priority recommendations
  - Codebase patterns analysis
  - Clarification questions
-

#### 4. 8\_WEEK\_PLAN\_SUMMARY.md EXECUTIVE SUMMARY

**Purpose:** Quick findings & key takeaways

**Status:**  Summary complete

**Content:**

- What's correct (no changes needed)
- What needed fixing (corrections made)
- Key recommendations
- Critical files status
- Questions for clarification
- Next steps

**When to Use:** Quick reference/team alignment

**Action:** Share with team, use for planning discussions



---

## How to Use These Documents

### Scenario 1: "I'm Starting Week 2"

1. Open: docs/README-8-WEEK-PLAN.md
  2. Read: "Step-by-Step Workflow" section
  3. Open: docs/8\_WEEK\_PLAN\_CORRECTED.md
  4. Navigate: WEEK 2 section
  5. Before modifying files: Check docs/CURSOR-PROTECTION-GUIDE.md
  6. Implement: Follow the week's tasks
  7. Test: Use checklist from CURSOR-PROTECTION-GUIDE.md
  8. Commit: When all tests pass
- 

### Scenario 2: "I Want to Modify File X"

1. Open: docs/CURSOR-PROTECTION-GUIDE.md
  2. Search: For the filename (Ctrl+F / Cmd+F)
  3. If marked : Read the full section first
  4. If marked : Read caution notes
  5. If not listed: Probably safe, but still test
  6. Before modifying: Create backup branch
  7. Modify: Make smallest change possible
  8. Test: Run testing checklist
  9. Commit: When verified working
- 

### Scenario 3: "Something Broke"

1. Open: docs/CURSOR-PROTECTION-GUIDE.md
2. Go to: "Emergency Recovery" section
3. Find: Your error symptom
4. Follow: Recovery procedure
5. Verify: With test steps
6. If still broken: Contact for help

**Common Recovery Scenarios:**

- Chat widget disappeared
- Chat not responding

- TypeScript build errors
- Lighthouse score dropped
- Database migration failed

---

## Scenario 4: "I Need Quick Overview"

1. Read: docs/8\_WEEK\_PLAN\_SUMMARY.md (5 min)
2. Review: Status dashboard (at end)
3. Check: Critical files list
4. For details: Open the main plan

---

## Scenario 5: "Understanding Why Corrections Were Made"

1. Open: docs/8\_WEEK\_PLAN\_ANALYSIS.md
2. Read: Specific section for that correction
3. Review: Recommendations by priority
4. Check: Codebase alignment notes
5. Reference: In the main plan (8\_WEEK\_PLAN\_CORRECTED.md)

---

## Document Matrix

Situation	Read	Then	Then
Starting new week	8_WEEK_PLAN_CORRECTED.md	CURSOR-PROTECTION-GUIDE.md	Implement
Before modifying file	CURSOR-PROTECTION-GUIDE.md	Protection section	Modify & test
Something broke	CURSOR-PROTECTION-GUIDE.md	Emergency recovery	Verify fix
Team alignment	8_WEEK_PLAN_SUMMARY.md	Specific topics	8_WEEK_PLAN_CORRECTED.md
Understanding changes	8_WEEK_PLAN_ANALYSIS.md	Specific section	Main plan
Don't know where to start	README-8-WEEK-PLAN.md	Pick scenario above	Start

---

## Quick Start Checklist

### Before Week 2 Starts

- ☐ Read README-8-WEEK-PLAN.md (quick orientation)
- ☐ Skim 8\_WEEK\_PLAN\_SUMMARY.md (understand scope)
- ☐ Read CURSOR-PROTECTION-GUIDE.md (understand protections)
- ☐ Bookmark 8\_WEEK\_PLAN\_CORRECTED.md (reference during development)
- ☐ Create git branch: `git checkout -b week-2-testing-refinement`
- ☐ Start Week 2 tasks from main plan

---

### Before Each Coding Session

- ☐ Open 8\_WEEK\_PLAN\_CORRECTED.md (today's tasks)
- ☐ Open CURSOR-PROTECTION-GUIDE.md (protection reference)
- ☐ Check what files you'll modify today
- ☐ If modifying protected files: Read that file's section in protection guide

- ☐ Create backup branch if nervous: `git checkout -b backup-[taskname]`

---

### Before Each Commit

- ☐ Testing checklist from `CURSOR-PROTECTION-GUIDE.md`
- ☐ `npm run build` (TypeScript check)
- ☐ `npm run dev` (local test)
- ☐ Manual feature test
- ☐ F12 console check (no errors)
- ☐ Lighthouse check (if modified layout/styles)
- ☐ `git diff` (review changes)
- ☐ Clear commit message
- ☐ `git push`

---

## Document Statistics

**Total Documents:** 5 files  
**Total Content:** ~10,000+ lines  
**Total Time to Read All:** 60-90 minutes  
**Recommended Reading:** 20-30 minutes (intro only)

### Size Breakdown:

- `README-8-WEEK-PLAN.md` : ~480 lines
- `8_WEEK_PLAN_CORRECTED.md` : ~3,500+ lines (MAIN PLAN)
- `CURSOR-PROTECTION-GUIDE.md` : ~570 lines (CRITICAL)
- `8_WEEK_PLAN_ANALYSIS.md` : ~260 lines (technical)
- `8_WEEK_PLAN_SUMMARY.md` : ~180 lines (quick ref)

### Reading Time by Document:

- README: 5-10 min
- Main Plan (skim): 10-15 min per week section
- Protection Guide: 10-15 min
- Analysis: 10-15 min
- Summary: 5 min

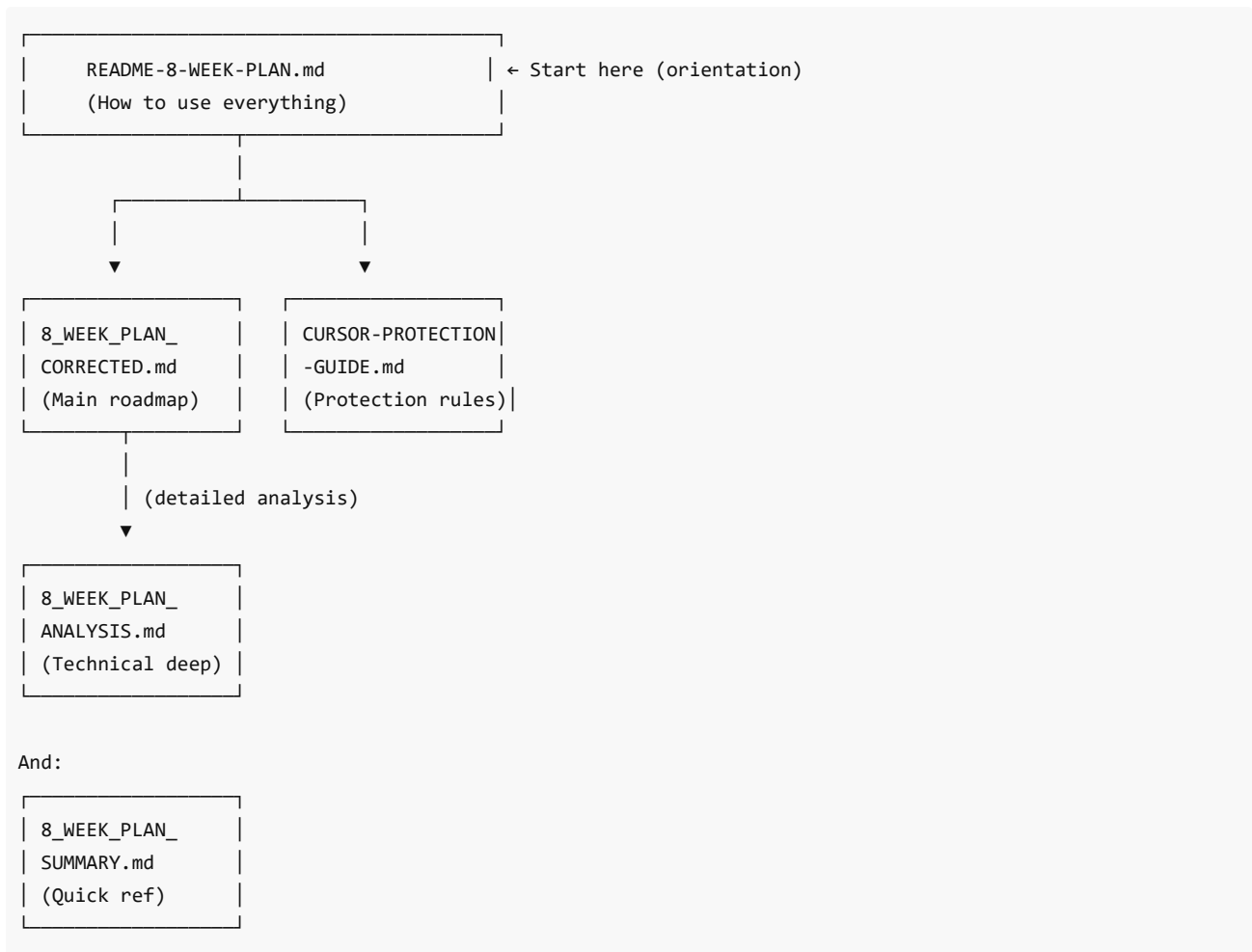
---

## Document Purposes at a Glance

Document	Purpose	Audience	Frequency
README	How to use all docs	Everyone	Once at start
Main Plan	Week-by-week tasks	Developers	Daily during implementation
Protection Guide	Prevent breaking changes	Developers	Before modifying files
Analysis	Technical reasoning	Technical leads	Once for understanding
Summary	Quick reference	Everyone	Weekly review

---

## Document Relationships



**Workflow:**

1. Start with `README-8-WEEK-PLAN.md` (understand system)
2. Read `8_WEEK_PLAN_SUMMARY.md` (quick overview)
3. Follow `8_WEEK_PLAN_CORRECTED.md` (implementation)
4. Reference `CURSOR-PROTECTION-GUIDE.md` (before modifying files)
5. Deep dive in `8_WEEK_PLAN_ANALYSIS.md` (if needed)

## Recommended Reading Path

### For New Team Members

**Day 1:**

- `README-8-WEEK-PLAN.md` (20 min)
- `8_WEEK_PLAN_SUMMARY.md` (15 min)

**Day 2:**

- `CURSOR-PROTECTION-GUIDE.md` (30 min)
- `8_WEEK_PLAN_CORRECTED.md` (Week 2 section)

**Ongoing:**

- Reference as needed

### For Experienced Developers

**Quick:**

- 8\_WEEK\_PLAN\_SUMMARY.md (5 min)

#### Work:

- 8\_WEEK\_PLAN\_CORRECTED.md (as needed)

#### Before commit:

- CURSOR-PROTECTION-GUIDE.md (reference)

#### If curious:

- 8\_WEEK\_PLAN\_ANALYSIS.md (technical details)
- 

## For Technical Leads

#### Overview:

- 8\_WEEK\_PLAN\_SUMMARY.md (10 min)

#### Analysis:

- 8\_WEEK\_PLAN\_ANALYSIS.md (30 min)

#### Verification:

- 8\_WEEK\_PLAN\_CORRECTED.md (scan sections)

#### Protection:

- CURSOR-PROTECTION-GUIDE.md (understand rules)
- 

## ✅ Key Corrections Applied

These documents incorporate:

- ✅ Corrected database schemas (all UUID primary keys)
  - ✅ Fixed timestamp types (TIMESTAMPTZ)
  - ✅ Aligned with existing case studies schema
  - ✅ Added admin authentication notes
  - ✅ Updated protection rules for current codebase
  - ✅ Included recovery procedures
  - ✅ Added testing checklists
- 

## 🚀 Next Immediate Actions

### This Week (Week 2)

- ☐ Read README-8-WEEK-PLAN.md
- ☐ Read CURSOR-PROTECTION-GUIDE.md
- ☐ Open 8\_WEEK\_PLAN\_CORRECTED.md Week 2
- ☐ Start testing & refinement tasks
- ☐ Follow testing checklist
- ☐ Commit with confidence

### Timeline

- **Week 2 (Now):** Testing & refinement (7h)
- **Week 3:** AI case study (7h)
- **Week 4:** Database + admin (10h)

- **Weeks 5-8:** Additional features (20h)
- **Total:** ~44 hours remaining

---

## Key Principles

- **Fail Safe:** Protection guide prevents common mistakes
- **Clear Direction:** Main plan gives week-by-week tasks
- **Easy Recovery:** Emergency procedures for problems
- **Quality First:** Testing checklist before every commit
- **Type Safe:** 100% TypeScript coverage maintained
- **Accessible:** WCAG 2.1 AA compliance maintained

---





## Quick Links

Need to...

Task	Go to
Start coding?	Read Week section in 8_WEEK_PLAN_CORRECTED.md
Modify a file?	Check CURSOR-PROTECTION-GUIDE.md first
Something broke?	Go to Emergency Recovery in CURSOR-PROTECTION-GUIDE.md
Understand why?	Read 8_WEEK_PLAN_ANALYSIS.md
Quick overview?	Read 8_WEEK_PLAN_SUMMARY.md
Learn the system?	Start with README-8-WEEK-PLAN.md

---

## Status

**Documentation Status:**  Complete & Verified  
**Plan Status:**  Corrected & Implementation-Ready  
**Protection Status:**  Critical Files Protected  
**Confidence Level:** 95% (aligned with codebase)  
  
**Ready to Start:** Week 2 Implementation 

---

## File Locations

All documents are in the docs/ directory:

```
docs/
├─ README-8-WEEK-PLAN.md           ← Start here
├─ 8_WEEK_PLAN_CORRECTED.md       ← Main implementation plan
├─ CURSOR-PROTECTION-GUIDE.md     ← Critical protection rules
├─ 8_WEEK_PLAN_ANALYSIS.md        ← Technical deep dive
├─ 8_WEEK_PLAN_SUMMARY.md         ← Executive summary
└─ DOCUMENTATION-MASTER-INDEX.md ← This file
```

---

## Quick Decision Tree



#### Need help?

- |
- | — Don't know where to start?
  - |   └─ README-8-WEEK-PLAN.md
- |
- | — Starting a new week?
  - |   └─ 8\_WEEK\_PLAN\_CORRECTED.md → Week X section
- |
- | — About to modify a file?
  - |   └─ CURSOR-PROTECTION-GUIDE.md → Search filename
- |
- | — Something broke?
  - |   └─ CURSOR-PROTECTION-GUIDE.md → Emergency Recovery
- |
- | — Need quick overview?
  - |   └─ 8\_WEEK\_PLAN\_SUMMARY.md
- |
- | — Want technical details?
  - |   └─ 8\_WEEK\_PLAN\_ANALYSIS.md

---

**Remember:** You have Week 1 complete. These documents ensure Weeks 2-8 are equally successful. Follow the plan, use the protection guide, test everything, and you'll build something amazing. 🚀

**YOU'VE GOT THIS.** 🍌

---

**Last Updated:** January 26, 2025

**Status:** ✅ Complete & Ready

**Next Action:** Start Week 2 implementation