



ELARA MVP: COMPREHENSIVE TECHNICAL AUDIT REPORT

Current Implementation vs. Required Architecture

Report Date: October 10, 2025

Assessment Type: Gap Analysis - MVP Readiness Evaluation

Scope: Full-Stack Architecture, Data Models, APIs, Services, Compliance

EXECUTIVE SUMMARY

Overall Completion: ~25-30% of MVP Requirements Met

The current Elara implementation represents an **early-stage prototype** with solid UI/UX foundations and basic AI integration. However, it falls critically short of the Product/Tech Brief specifications across architecture, data persistence, service layers, and essential features. The gap between current state and MVP requirements represents **6-10 weeks of full-stack development work**.

Critical Finding: The application lacks the fundamental infrastructure (database, microservices, authentication, automations) required for production deployment. Current implementation is suitable only as a **UI/UX demo** or **proof-of-concept**.

1. ARCHITECTURE GAP ANALYSIS

1.1 Required Architecture (Product Brief Section 2)

Required Backend Structure:

API Gateway → Orchestrator (LLM agents) → 8 Microservices

- └─ NLP Service (sentiment + intent classifier)
- └─ Memory/RAG Service (conversation memory, user embeddings)
- └─ Doctor Graph Service (search + ranking)
- └─ Automation Service (jobs: reminders, check-ins)
- └─ Insights Service (Mirror summaries, trends)

- └─ Wearable Connector (HealthKit/Google Fit/Oura)
- └─ Compliance Guard (prompt shields, policy checks)
- └─ Analytics/Events Service (product analytics)

Datastores:

- └─ PostgreSQL (core entities)
- └─ Redis (sessions/queues)
- └─ S3/Blob (reports/exports)
- └─ Vector DB (memories, doc profiles, tone snippets)

1.2 Current Implementation

Actual Structure:

Single Express.js Monolith

- └─ /api/classify (OpenAI classification)
- └─ /api/elara/reply (OpenAI chat)
- └─ /api/mock/doctors (static JSON)
- └─ /api/mock/tests (static JSON)
- └─ /health (health check)

Data Storage:

- └─ In-Memory (MemStorage class)
- └─ localStorage (client-side only)

1.3 Architecture Gap Summary

Component	Required	Current	Status
Microservices	8 services	0 services	✗ 0%
API Gateway	Yes (orchestrator)	No	✗ Missing
Service Mesh	Yes	No	✗ Missing
PostgreSQL	Yes (primary DB)	Configured but unused	⚠ 10%
Redis	Yes (sessions/queues)	No	✗ Missing
Vector DB	Yes (RAG/embeddings)	No	✗ Missing
S3/Blob Storage	Yes (reports)	No	✗ Missing

Architecture Score: 5/100 ✗

2. DATA MODEL COMPARISON

2.1 Required Schema (Product Brief Section 3)

The Product/Tech Brief specifies **12 database tables** with complex relationships:

A. User Management (2 tables)

```
users(id uuid pk, name text, locale text, tz text, created_at timestamptz)
consents(user_id uuid, type text, granted boolean, granted_at timestamptz)
```

B. Conversation System (2 tables)

```
conversations(id uuid pk, user_id uuid fk, started_at timestamptz)
messages(id uuid pk, conversation_id uuid fk,
  role text check(role in ('user', 'assistant', 'system')),
  text text, sentiment text, intent text, created_at timestamptz)
```

C. Doctor Matching (2 tables)

```
doctors(id uuid pk, name text, specialty text, clinic text, city text,
  personality_tags text[], modalities text[], rating numeric,
  lat numeric, lng numeric, meta jsonb)
matches(id uuid pk, user_id uuid, doctor_id uuid, score numeric,
  reasons text[], created_at timestamptz)
```

D. Booking System (1 table)

```
bookings(id uuid pk, match_id uuid fk, slot timestamptz, status text,
  confirmation_ref text, created_at timestamptz)
```

E. Automation Engine (1 table)

```
jobs(id uuid pk, user_id uuid, type text, run_at timestamptz,
  payload jsonb, status text)
```

F. Wellness Tracking (3 tables)


```
daily_checkins(id uuid pk, user_id uuid, mood text, energy int,
  note text, created_at timestamptz)
weekly_reflections(id uuid pk, user_id uuid, week_start date,
  summary text, highlights jsonb)
wearable_metrics(id uuid pk, user_id uuid, day date,
  sleep_hours numeric, steps int, hrv numeric, rhr numeric, source text)
```

G. Feature Flags (1 table)

```
feature_flags(user_id uuid, key text, enabled boolean)
```

2.2 Current Implementation

```
-- ONLY TABLE DEFINED:
users(id serial pk, username text not null unique, password text not null
```

2.3 Data Model Gap Analysis

Database Component	Required Tables	Implemented	Gap
User Management	2 tables	1 partial	⚠ 50%
Conversations	2 tables	0	✗ 0%
Doctor Matching	2 tables	0	✗ 0%
Bookings	1 table	0	✗ 0%
Automations	1 table	0	✗ 0%
Wellness Tracking	3 tables	0	✗ 0%
Feature Flags	1 table	0	✗ 0%
Consents	1 table	0	✗ 0%

Database Schema Score: 8/100 ✗

Critical Issues:

- UUID primary keys required → Using serial integers
- User table has wrong fields (username/password vs. name/locale/tz)
- No foreign key relationships defined

- No indexes for performance
 - No migrations infrastructure
 - **91% of required schema is missing**
-

3. API ENDPOINTS GAP ANALYSIS

3.1 Required Endpoints (Product Brief Section 4)

Specified REST APIs:

1. **POST /chat/send** → { `message` }

- Returns: { `reply`, `sentiment`, `intent`, `next_actions[]` }
- **Current:** Partial (split into /classify and /reply)
- **Gap:** No structured next_actions, no intent in response

2. **GET /doctors/search** → Query params: specialty, city, mood_tag

- Returns: [{`doctor`, `score`, `reasons[]`}]
- **Current:** ❌ Missing entirely
- **Gap:** Using Bubble.io directly from frontend (security issue)

3. **POST /bookings** → { `doctor_id`, `slot` }

- Returns: { `booking_id`, `status`, `confirmation_ref` }
- **Current:** ❌ Missing entirely
- **Gap:** No backend booking persistence

4. **POST /checkins** → { `mood`, `energy`, `note` }

- **Current:** ❌ Missing entirely
- **Gap:** Daily check-in feature not implemented

5. **GET /mirror/weekly** → Optional: { `week_start` }

- Returns: { `summary`, `trend` }
- **Current:** ❌ Missing entirely
- **Gap:** Wellness reflection feature not implemented

6. **GET /wearables/summary** → Descriptive aggregates (if consented)

- **Current:** ❌ Missing entirely
- **Gap:** Wearable integration not started

7. POST /automations/schedule → Reminders/check-ins

- **Current:** ❌ Missing entirely
- **Gap:** No automation system

8. GET /legal/disclaimer → Latest non-medical copy for locale

- **Current:** ❌ Missing entirely
- **Gap:** No compliance infrastructure

3.2 API Implementation Status

Endpoint	Required	Implemented	Functional	Score
POST /chat/send	✅ Yes	⚠️ Partial	60%	⚠️
GET /doctors/search	✅ Yes	❌ No	0%	❌
POST /bookings	✅ Yes	❌ No	0%	❌
POST /checkins	✅ Yes	❌ No	0%	❌
GET /mirror/weekly	✅ Yes	❌ No	0%	❌
GET /wearables/summary	✅ Yes	❌ No	0%	❌
POST /automations/schedule	✅ Yes	❌ No	0%	❌
GET /legal/disclaimer	✅ Yes	❌ No	0%	❌

API Completeness Score: 15/100 ❌

4. MICROSERVICES ANALYSIS

4.1 Required Services (Product Brief Section 2 & 6)

Service 1: NLP Service ❌ NOT IMPLEMENTED

- **Purpose:** Sentiment + intent classification
- **Required:** Fast, cheap model for classifying latest message + 3 previous
- **Output:** { sentiment, intent, topics[] }
- **Current:** Basic OpenAI classification endpoint exists
- **Gap:** Not a separate service, no topic extraction, no context window (3 prev messages)

Service 2: Memory/RAG Service ❌ NOT IMPLEMENTED

- **Purpose:** Conversation memory, user embeddings
- **Required:** Vector DB for semantic search across conversation history
- **Current:** localStorage-based memory (client-side only)
- **Gap:** No server-side memory, no embeddings, no RAG, no vector search

Service 3: Doctor Graph Service ❌ NOT IMPLEMENTED

- **Purpose:** Doctor search + ranking algorithm
- **Required Ranking Formula:**

$$\text{final_score} = 0.35 * \text{specialty} + 0.25 * \text{keywords} + 0.2 * \text{personality_fit} + 0.1 * \text{distance} + 0.1 * \text{quality}$$
- **Current:** Bubble.io API called directly from frontend
- **Gap:** No ranking algorithm, no personality matching, no geo-distance calculation

Service 4: Automation Service ❌ NOT IMPLEMENTED

- **Purpose:** Job scheduling (reminders, check-ins)
- **Required:** BullMQ/Celery job queue
- **Jobs:** Reminder (+1h, +48h post-booking), abandoned booking follow-up
- **Current:** None
- **Gap:** No job system, no queue, no scheduled tasks

Service 5: Insights Service ❌ NOT IMPLEMENTED

- **Purpose:** Weekly "Mirror" summaries, trend analysis
- **Required:** Generate summary every Monday 9am user TZ
- **Current:** None
- **Gap:** No wellness tracking, no trend analysis, no scheduled summary generation

Service 6: Wearable Connector ❌ NOT IMPLEMENTED

- **Purpose:** HealthKit/Google Fit/Oura integration
- **Required:** Daily summary ingestion with consent checks
- **Current:** None
- **Gap:** No wearable integration, no OAuth connectors

Service 7: Compliance Guard ❌ NOT IMPLEMENTED

- **Purpose:** Prompt shields, policy checks, refusal patterns
- **Required:** Prepend non-medical policy to every LLM call
- **Current:** Basic system prompts only
- **Gap:** No compliance middleware, no audit logging, no PII/PHI handling

Service 8: Analytics/Events ❌ NOT IMPLEMENTED

- **Purpose:** Product analytics (PostHog/Mixpanel)
- **Required KPIs:** Activation, DAU/WAU, conversion, retention, NPS/CES
- **Current:** None
- **Gap:** No analytics integration, no event tracking

4.2 Microservices Score: 0/100 ❌

All 8 required microservices are missing. Current architecture is a single monolithic Express server.

5. STATE MACHINE LOGIC (Section 5)

5.1 Required Flow Logic

The Product Brief specifies a **six-vertical state machine**:

START → EMOTION_DETECT

```
|— intent == education → EDUCATION_CARD
|— intent == doctor_match → MATCH_AND_RANK → CONCIERGE_FLOW
|— intent == reflection → REFLECTION_FLOW
|— intent == action → CONCIERGE_FLOW
└— else → SUGGEST_NEXT (buttons: Learn | Connect | Reflect)
```

MATCH_AND_RANK Flow:

1. Extract features: {symptom_terms, mood_tag, location, prefs}
2. Query DoctorGraph.query(features)
3. Rank by: mood_alignment + specialty + ETA
4. Return top-3 + action buttons

CONCIERGE_FLOW:

1. On 'Book': create booking, schedule reminder job (+1h, +48h follow-up)
2. On 'Maybe later': offer check-in reminder toggle

REFLECTION_FLOW:

1. Assemble last 7 days: messages + checkins + wearable summaries
2. Generate warm, non-medical weekly summary

- 3. Save to weekly_reflections table
- 4. CTA: "Set gentle focus for next week?" (sleep | hydration | calm)

EDUCATION_CARD:

- 1. Return short, friendly explainer
- 2. Add 2-3 micro-actions
- 3. Safe CTA: "Would you like general lifestyle tips or talk to a specialist?"

5.2 Current Implementation

Actual Logic:

- Linear flow: WelcomeScreen → ChatScreen → DoctorMatchScreen → BookingScreen
- No state machine orchestrator
- No intent-based routing
- No reflection or education flows
- Minimal concierge automation

5.3 State Machine Score: 15/100 ⚠

Gaps:

- ❌ No orchestrator pattern
- ❌ No intent-based branching
- ❌ No reflection flow
- ❌ No education cards
- ❌ No "SUGGEST_NEXT" buttons
- ⚠ Basic doctor matching exists (manual, no ranking)
- ❌ No concierge automation (reminders, follow-ups)

6. CORE USER STORIES COMPLIANCE

User Story 1: Natural Language Chat with Mood/Intent Detection

Acceptance Criteria: Sentiment label + intent saved per message

Requirement	Status	Implementation
Chat in natural language	✅ Works	OpenAI integration functional

Requirement	Status	Implementation
Mood detection	⚠️ Partial	Client-side tone detection (warm/soothing/bright)
Intent detection	❌ Missing	No intent classification (doctor_match/reflection/education)
Save per message	❌ Missing	No database, localStorage only

Score: 40/100 ⚠️

User Story 2: Top-3 Doctor Matches + Booking

AC: 3 cards with specialty, personality tags, distance, next availability; booking returns confirmation object

Requirement	Status	Implementation
Top-3 doctor matches	⚠️ Partial	Bubble API returns all matching category
Specialty shown	✅ Works	Displayed in UI
Personality tags	❌ Missing	Not shown or ranked by personality
Distance calculation	❌ Missing	No geo-distance, no user location
Next availability	❌ Missing	Hardcoded static dates
Booking confirmation object	❌ Missing	No backend persistence

Score: 25/100 ❌

User Story 3: Follow-ups & Reminders

AC: After booking, schedule reminder + 48h check-in

Requirement	Status
Reminder system	❌ Missing
48-hour check-in	❌ Missing
Job scheduling infrastructure	❌ Missing

Score: 0/100 ❌

User Story 4: Daily Check-in + Weekly "Mirror" Summaries

AC: Weekly summary generated; trend view shows mood tag counts vs. days

Requirement	Status
Daily emotional check-in	✗ Missing
Weekly Mirror summary	✗ Missing
Trend visualization	✗ Missing
Monday 9am generation (user TZ)	✗ Missing

Score: 0/100 ✗

User Story 5: Wearable Connection (Opt-in)

AC: Sleep duration/consistency + activity ingestion; descriptive UI copy only

Requirement	Status
HealthKit/Google Fit connector	✗ Missing
Consent management	✗ Missing
Daily summary ingestion	✗ Missing
Descriptive (non-medical) display	✗ Missing

Score: 0/100 ✗

7. COMPLIANCE & SAFETY ANALYSIS (Section 9)

7.1 Required Compliance Features

Feature	Required	Current	Gap
Prompt Shields	Prepend non-medical policy to every LLM call	⚠ Basic system prompt	No dedicated compliance middleware
Refusal Patterns	Specific medical boundary responses	⚠ Generic prompts	No structured refusal logic
PII/PHI Handling	Encrypt at rest, tokenized IDs, least-privilege	✗ None	No encryption, no access controls
Audit Logging	Log all tool calls (inputs/outputs, truncated)	✗ None	No audit trail

Feature	Required	Current	Gap
Content Filters	Block unsafe supplement/medication advice	✗ None	No content filtering

Compliance Score: 10/100 ✗

Critical Risks:

- 1. **No PII/PHI encryption** - Health data stored in plain localStorage
- 2. **No audit trail** - Cannot track AI recommendations for liability
- 3. **No content moderation** - AI could provide unsafe health advice
- 4. **Exposed API token** - Bubble.io token hardcoded in frontend (Line 5, DoctorMatchScreen.tsx)

8. ACCEPTANCE CRITERIA ANALYSIS (Section 11)

8.1 MVP Acceptance Criteria Status








Criterion	Target	Current	Status
Sentiment/intent accuracy	≥85% on 100-sample test	Unknown (no test set)	✗ Not measured
Doctor search p95 latency	≤1.2s	N/A (frontend call)	✗ Not implemented
Booking success rate	≥95% confirmation saved	0% (no backend)	✗ Failing
Reminder job reliability	Fire reliably (logged)	N/A (no jobs)	✗ Not implemented
Weekly Mirror generation	Every Monday 9am user TZ	N/A	✗ Not implemented
Compliance test pass rate	100% (no medical advice)	Unknown (no tests)	✗ Not measured

Acceptance Criteria Met: 0/6 ✗

9. SECURITY VULNERABILITIES

9.1 Critical Security Issues

Issue	Severity	Location	Impact
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Issue	Severity	Location	Impact
Exposed API Token	 CRITICAL	DoctorMatchScreen.ts x:5	Anyone can access Bubble.io API
No Authentication	 CRITICAL	All endpoints	Backend APIs publicly accessible
No Input Validation	 HIGH	All POST endpoints	Potential injection attacks
No Rate Limiting	 MEDIUM	OpenAI endpoints	API cost exploitation
Client-side Data Storage	 MEDIUM	localStorage	Health data accessible in browser
No HTTPS Enforcement	 MEDIUM	Server config	Data transmitted insecurely
No CORS Restrictions	 MEDIUM	Express config	Cross-origin attacks possible

Security Score: 15/100 






10. MISSING FEATURES INVENTORY

10.1 Complete Missing Features List

Authentication & User Management:

-  Magic link authentication
-  OTP authentication
-  JWT token management
-  Session handling
-  User profile CRUD
-  Consent management UI
-  Feature flag system

Conversation Management:

-  Multiple conversation threads
-  Chat inbox/history view
-  Conversation archiving
-  Message search
-  Export conversations

Doctor Matching:

- ~~✗~~ Ranking algorithm (5-factor scoring)
- ~~✗~~ Personality tag matching
- ~~✗~~ Geo-distance calculation
- ~~✗~~ Availability checking
- ~~✗~~ Top-3 recommendation logic
- ~~✗~~ "More options" flow

Booking System:

- ~~✗~~ Backend booking API
- ~~✗~~ Booking status management
- ~~✗~~ Confirmation email/SMS
- ~~✗~~ Calendar integration
- ~~✗~~ Reminder scheduling
- ~~✗~~ Booking history

Wellness Tracking:

- ~~✗~~ Daily check-in feature
- ~~✗~~ Weekly Mirror summaries
- ~~✗~~ Mood trend visualization
- ~~✗~~ Energy tracking
- ~~✗~~ Wearable data ingestion

Automation:


- ~~✗~~ Job queue system
- ~~✗~~ Scheduled reminders
- ~~✗~~ 48h follow-ups
- ~~✗~~ Abandoned booking recovery
- ~~✗~~ n8n workflow integration

Admin/Partner Portal:

- ~~✗~~ Doctor management interface
- ~~✗~~ Booking dashboard
- ~~✗~~ Analytics dashboard
- ~~✗~~ User management tools









Compliance:

- ~~✗~~ Audit logging system
- ~~✗~~ Content moderation
- ~~✗~~ PII/PHI encryption
- ~~✗~~ Legal disclaimer API

-  Privacy policy integration

11. TECHNOLOGY STACK COMPARISON

11.1 Recommended vs. Current

Component	Recommended (Brief)	Current	Alignment
Frontend	React Native / Next.js	React + Vite	 Partial (web only)
Backend	NestJS / FastAPI	Express.js	 Acceptable but monolithic
LLM	OpenAI function calling	OpenAI chat completions	 Partial (no function calling)
Database	PostgreSQL + Redis	None (in-memory)	 Critical gap
Vector DB	pgvector / Weaviate	None	 Missing
Job Queue	BullMQ / Celery	None	 Missing
Auth	OAuth + JWT	None	 Missing
Analytics	PostHog / Mixpanel	None	 Missing

12. DEVELOPMENT ROADMAP TO MVP

Phase 1: Foundation (3-4 weeks)

Priority: CRITICAL

Week 1-2: Database & Core Backend

- ☐ Implement complete PostgreSQL schema (12 tables)
- ☐ Set up Drizzle migrations
- ☐ Build User management APIs
- ☐ Build Conversation management APIs
- ☐ Implement proper error handling

Week 3-4: Authentication & Security

- ☐ Magic link authentication
- ☐ JWT token system
- ☐ Session management (Redis)
- ☐ Move API keys to backend

- ☐ Implement rate limiting
 - ☐ Add input validation (Zod)
-

Phase 2: Core Features (3-4 weeks)

Priority: HIGH

Week 5-6: Booking System

- ☐ Booking CRUD APIs
- ☐ Status management workflow
- ☐ Confirmation email integration
- ☐ Real-time availability checking
- ☐ Booking history endpoint

Week 7-8: Doctor Matching Service

- ☐ Implement 5-factor ranking algorithm
 - ☐ Personality tag matching
 - ☐ Geo-distance calculation
 - ☐ Top-3 recommendation logic
 - ☐ "More options" filtering
-

Phase 3: Advanced Features (2-3 weeks)

Priority: MEDIUM

Week 9-10: Automation & Wellness

- ☐ Job queue setup (BullMQ)
- ☐ Reminder scheduling system
- ☐ 48h follow-up automation
- ☐ Daily check-in feature
- ☐ Weekly Mirror summary generation

Week 11: Polish & Compliance

- ☐ Audit logging system
 - ☐ Compliance middleware
 - ☐ Content moderation
 - ☐ Analytics integration (PostHog)
 - ☐ Admin dashboard basics
-

13. COST & EFFORT ESTIMATION

13.1 Development Effort

Refer to the loe

13.2 Infrastructure Costs (Monthly)

Service	Provider	Estimated Cost
PostgreSQL	Neon / Supabase	\$25-50
Redis	Upstash / Redis Cloud	\$10-30
Vector DB	Weaviate Cloud	\$25-100
S3 Storage	AWS S3	\$5-20
OpenAI API	OpenAI	\$100-300 (usage-based)
Analytics	PostHog	\$0-50
Email/SMS	SendGrid/Twilio	\$20-100
TOTAL		\$185-550/month

14. RISK ASSESSMENT

14.1 Critical Risks

Risk	Probability	Impact	Mitigation
Data Loss	HIGH	CRITICAL	Implement database immediately
Security Breach	MEDIUM	CRITICAL	Add authentication + encryption
Compliance Violation	HIGH	HIGH	Implement audit logging + compliance guard
Scalability Issues	HIGH	MEDIUM	Migrate to microservices architecture
AI Cost Overrun	MEDIUM	MEDIUM	Add rate limiting + caching

15. FINAL RECOMMENDATIONS


15.1 Immediate Actions (Next 2 Weeks)

- 1. **STOP** considering this for mobile deployment in current state
- 2. **PRIORITIZE** database implementation (PostgreSQL schema)
- 3. **SECURE** the Bubble.io API token (move to backend)
- 4. **IMPLEMENT** authentication system (magic link)
- 5. **BUILD** booking backend APIs with persistence

15.2 Go/No-Go Decision Framework

GO criteria for mobile development:

- ☒ Database fully implemented and tested
- ☒ Authentication system functional
- ☒ Booking APIs working end-to-end
- ☒ Security vulnerabilities resolved
- ☒ At least 70% of MVP acceptance criteria met




Current Status:  **NO-GO** - Only 25-30% of MVP requirements met

CONCLUSION

The current Elara implementation represents a **promising UI/UX prototype** with functional AI integration, but it is **not production-ready** by any objective measure. When compared against the comprehensive Product/Tech Brief requirements, the application is missing:

- **91% of required database schema**
- **75% of required API endpoints**
- **100% of required microservices**
- **85% of core user stories**
- **100% of automation features**
- **All compliance infrastructure**

Summary Scorecard

Category	Score	Status
Architecture	5/100	 Critical
Database Schema	8/100	 Critical
API Endpoints	15/100	 Critical

Category	Score	Status
Microservices	0/100	❌ Critical
State Machine Logic	15/100	❌ Critical
User Stories	13/100	❌ Critical
Compliance	10/100	❌ Critical
Security	15/100	🔴 Critical
OVERALL MVP READINESS	10/100	❌ NOT READY

Recommended Path Forward

- 1. **Treat current implementation as Phase 0: UI/UX Prototype**
- 2. **Allocate 10-13 weeks for proper MVP development**
- 3. **Hire/assign 2 full-stack developers + 1 QA engineer**
- 4. **Follow the 3-phase roadmap outlined in Section 12**
- 5. **Re-assess after Phase 1 completion (database + auth)**

Bottom Line

This codebase needs **substantial backend development** before it can be considered a professional, production-ready application suitable for mobile deployment. The UI/UX foundation is solid, but the infrastructure, data persistence, security, and automation layers are either missing or inadequate for production use.

Estimated Time to Production-Ready MVP: 10-13 weeks
Estimated Budget: xxxx (2-3 developers at market rates)
Recommended Next Step: Begin Phase 1 (Database + Authentication) immediately

Report Compiled By: RevAI Agent
Assessment Date: October 10, 2025
Based On: Product/Tech Brief MVP Requirements
Next Review: After Phase 1 completion (estimated 4 weeks)

APPENDIX A: Current File Structure

```
elara/  
├─ client/  
|   └─ src/
```


			components/	#	UI components (working)
			pages/	#	Route pages (working)
			data/	#	Static doctor data (10 doctors)
			utils/	#	Classifier, memory utils (partial)
			lib/	#	Query client setup
			main.tsx		
			server/		
			index.ts	#	Express server + OpenAI
			routes.ts	#	Health + mock endpoints
			storage.ts	#	In-memory storage (demo only)
			vite.ts	#	Dev server integration
			shared/		
			schema.ts	#	Drizzle schema (1 table only)
			package.json		

APPENDIX B: Required vs. Actual Endpoints

Required (8 endpoints):

- 1. POST /chat/send
- 2. GET /doctors/search
- 3. POST /bookings
- 4. POST /checkins
- 5. GET /mirror/weekly
- 6. GET /wearables/summary
- 7. POST /automations/schedule
- 8. GET /legal/disclaimer

Actual (5 endpoints):

- 1. POST /api/classify (partial)
- 2. POST /api/elara/reply (partial)
- 3. GET /api/mock/doctors (demo)
- 4. GET /api/mock/tests (demo)
- 5. GET /health (basic)

Gap: 3 of 8 required endpoints exist (37.5%), and only partially functional