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1. High-Level System Architecture Diagram

This will show the major components and how they connect:

Nanobot Network & Control

AI Core & Decision Engine

User Interface & Experience Layer

Data Flow & Security

External Integrations (e.g., health monitoring devices, cloud services)

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2. Core Component Breakdown

Nanobot Control Module
— communication protocols, swarm coordination, bio-compatibility controls

AI & Machine Learning Engine
— real-time health data analysis, predictive modeling, adaptive learning

User Experience Layer
— mobile/web dashboard mockup, alerts & feedback, manual overrides

Security & Privacy Layer
— encryption, user consent management, anonymized data processing

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3. Prototyping Plan

Visual mockups for the user dashboard

Sample code snippets for nanobot command protocols (simulated)

AI workflow pseudocode for health augmentation decision making

Data flow diagrams showing interaction between components

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4. Next Steps

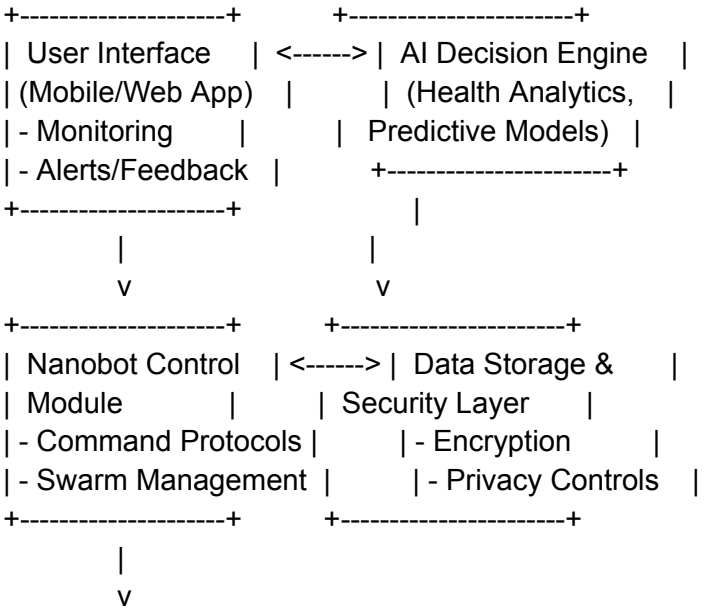
After initial prototypes, add collaboration agreements, white paper drafts, and API specs

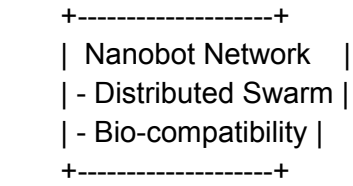
Iterate on UI/UX based on user feedback simulations

Prepare for patent documentation with technical breakdowns

First: System Architecture Diagram (Text + Visual Mockup)

Here’s a text outline, then I’ll generate a diagram image:

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| Nanobot Network |
| - Distributed Swarm |
| - Bio-compatibility |
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