Ideation Phase Define the Problem Statements

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1.1. Defining Problem Statement

In today's complex healthcare landscape, individuals often struggle with:

- Information Overload & Lack of Context: Users are bombarded with generic medical information online, often without personalization or the ability to contextualize it to their specific health profile.
- ➤ <u>Limited Accessibility to Preliminary Insights:</u> There's a gap in quickly accessing preliminary, Al-driven health insights based on personal symptoms, diagnosed conditions, or health trends, before formal consultation.
- Need for Personalization & Record-Keeping: Generic advice is less effective; there's a need for a system that can leverage individual patient data for more relevant suggestions and to maintain a historical record of interactions.
- Empathetic and Fact-Based Q&A: Users require a reliable, accessible interface to ask general health-related questions and receive clear, empathetic, and fact-based responses while being reminded of the limitations of AI advice. The "HealthAI" application aims to bridge these gaps by leveraging Generative AI and a structured database to provide a secure, personalized informative preliminary health guidance system

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Problem Statement

Case: Patients often lack timely, personalized health guidance and accessible tools for symptom analysis, treatment planning, and wellness tracking. This project aims to build an AI-powered health assistant that delivers tailored predictions, remedies, and insights—bridging the gap between user input and meaningful, data-driven healthcare support.

Why Did This Happen?

This happened due to limited access to timely, personalized healthcare solutions, leaving users without immediate support for symptom analysis, treatment decisions, and health trend interpretation

Solution

HealthAI Assistant application was created to bridge this gap using generative AI.

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