

Project Design Phase

Problem – Solution Fit Template

Date	27 June 2025
Team ID	LTVIP2025TMID31912
Project Name	Health AI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	2 Marks

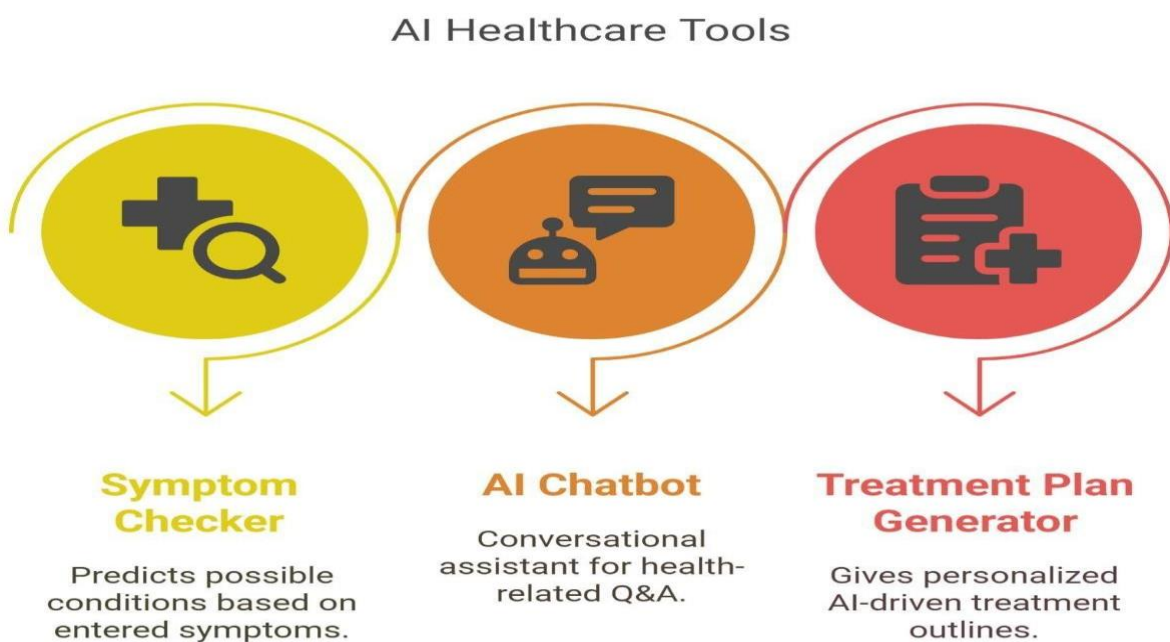
Problem-Solution Fit

There is a rising demand for accessible, AI-based health assistants that do not require login, are easy to use, and provide instant answers.

Purpose of Problem–Solution Fit

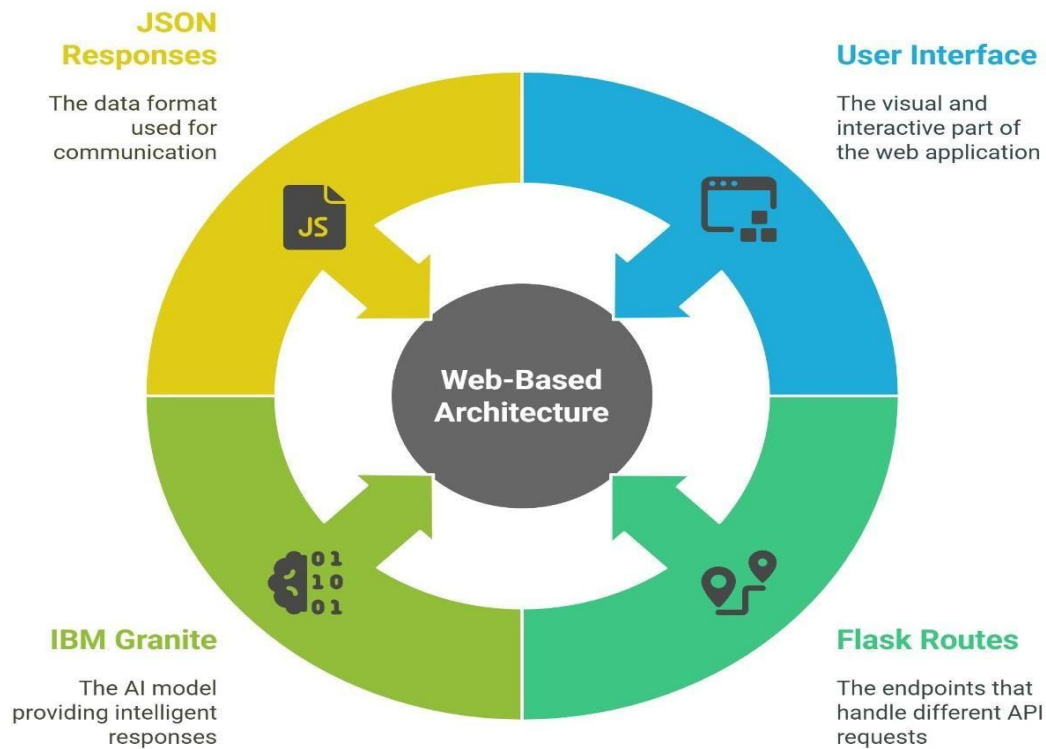
The goal is to confirm that HealthAI genuinely addresses a real user problem and that the solution design fits naturally within user behavior, needs, and environment. This alignment increases the probability of adoption and success.

Proposed Solution



Solution Architecture

Components of a Web-Based Architecture



A web-based architecture:

- User Interface (HTML/CSS/JS)
- Flask routes (/api/chat, /api/predict, /api/treatment)
- IBM Granite for intelligent responses
- JSON responses and dynamic UI updates