

Problem – Solution Fit Template

Date: 26th JUNE 2025

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Project Name: HealthAI – IBM Granite-Powered Medical Assistant

Problem – Solution Fit Template:

1. Target Customer

Individuals seeking reliable, accessible medical advice online; primary targets include:

- Patients in remote or underserved areas
- People looking for preliminary diagnoses or home remedies
- Users wanting second opinions before seeing a doctor
- Health-conscious individuals managing chronic conditions

2. Problem

Patients often face:

- Lack of immediate access to qualified healthcare professionals
- High consultation costs and long wait times
- Uncertainty about symptoms and self-diagnosis risks
- Language or digital barriers in navigating healthcare portals

3. Existing Alternatives

- Visiting general physicians or clinics
- Searching symptoms on unreliable websites
- Using basic symptom checker apps
- Relying on forums or social media advice

4. Solution

HealthAI offers:

- Instant AI-powered symptom analysis and medical Q&A
- Integration of IBM Granite 3.3's powerful medical reasoning
- Suggestions for home remedies, treatments, and explanations
- Simple, user-friendly interface through Gradio or Streamlit
- Privacy-first, non-invasive interaction

5. Key Benefits

- Reduces pressure on healthcare systems by triaging basic queries
- Saves time and cost for users needing quick answers
- Improves health awareness and personal condition tracking
- Encourages safe, informed decisions based on AI-curated responses

6. Unique Value Proposition

"HealthAI empowers individuals to understand their health better by delivering trusted AI medical assistance—fast, accurate, and free at your fingertips."

7. Channels

- Web-based interface (Gradio / Streamlit app)
- Social media campaigns
- Health blogs and newsletters
- Integration with online patient forums and communities

8. Customer Behavior & Insights

- Many users consult the internet before visiting a doctor
- Trust in AI is increasing, especially for low-risk advice
- Desire for 24/7, multilingual, and mobile-friendly health support
- Preference for anonymized queries without judgment

9. Why Now?

- Surge in digital health awareness post-pandemic
- Advancements in large language models like IBM Granite
- Need for scalable, AI-powered healthcare assistants
- Rising demand for affordable and accessible medical help