# Problem – Solution Fit Template

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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