Project Design Phase Problem – Solution Fit Template

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| Date | 26 June2025 |
| Team ID | LTVIP2025TMID31972 |
| Project Name | Health AI:Intelligent Healthcare Assistance using IBM Granite |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit:**

HealthAI addresses the challenge of limited accessibility to accurate and personalized healthcare information. Many users struggle to interpret symptoms, find reliable treatment recommendations, or track health trends effectively. HealthAI solves these problems by leveraging IBM Watson Machine Learning and Generative AI to provide intelligent, data-driven medical insights.

**Purpose:**

* **Solve complex problems** by offering tailored medical guidance that aligns with users' health states.
* **Increase solution adoption** by integrating into users' existing health management routines (e.g., symptom checking, treatment planning).
* **Sharpen communication** with empathetic, evidence-based responses that build trust.
* **Improve touch-points** by addressing frequent annoyances (e.g., unclear symptoms) and urgent needs (e.g., treatment recommendations).
* **Understand user behavior** to refine and enhance the platform for better outcomes.

**Template:**

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| **Problem** | **Solution** | **Scenario** |
| Difficulty interpreting symptoms | Disease Prediction: Analyzes symptoms and predicts potential conditions. | Scenario 1: User inputs symptoms (headache, fatigue) and receives predictions. |
| Lack of personalized treatment plans | Treatment Plans: Generates evidence-based recommendations. | Scenario 2: User enters a diagnosed condition and gets a tailored treatment plan. |
| Unclear health trends | Health Analytics: Visualizes vital signs and provides AI-driven insights. | Scenario 3: User tracks blood pressure/heart rate and receives trend analysis. |
| Limited access to medical advice | Patient Chat: Answers health queries with empathetic, factual responses. | Scenario 4: User asks a health question and gets clear guidance. |

**References:**

1. [Idea Hackers - Problem-Solution Fit Canvas](https://www.ideahackers.network/problem-solution-fit-canvas/)
2. [Problem-Solution Fit Canvas by Epicantus](https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe)