

Project Design Phase

Problem – Solution Fit Template

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID59346 |
| Project Name | HealthAI-Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 4 Marks |

Problem – Solution Fit Template : HealthAI solves a frequent and urgent problem: lack of easy access to valid healthcare information and insights. It taps into the existing behavior of users searching for medical information online and replaces it with a credible, AI-powered platform.

Purpose :

- ☒ Solve complex health-related problems using intelligent and accessible AI assistance
- ☒ Increase solution adoption by reflecting how users already seek medical information online
- ☒ Improve communication using conversational chat and visual analytics
- ☒ Build user trust with consistent, evidence-based responses

Health AI Problem-Solution-Fit Template

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| CS CUSTOMER SEGMENTS | CUSTOMER SEGMENTS (CS) Who are your target users? e.g. elderly individuals with chronic conditions, rural patients with limited access to healthcare, or caregivers of Alzheimer's patients. | CS | JOBS-TO-BE-DONE / PROBLEMS (J&P) What specific health challenges do they face? e.g. medication adherence, early diagnosis, appointment management, lifestyle monitoring. | J&P |
| TR TRIGGERS | TRIGGERS (TR) What drives users to seek a solution? e.g. worsening symptoms, hospital readmission, advice from a physician or caretaker. | TR | EMOTIONS: BEFORE / AFTER (EM) How do they feel before the solution vs. after? e.g. digital literacy, cost, lack of smartphones, unreliable internet. | EM |
| CC CONSTRAINTS | CUSTOMER CONSTRAINTS (CC) What obstacles might prevent them from accessing help? e.g. digital literacy, cost, lack of smartphones, unreliable internet. | CC | BEHAVIOUR (BE) What do users do to manage their health problems? e.g. rely on memory for meds, ask family members for help. | CHANNELS OF BEHAVIOUR (CH) 8.1 Online: <ul style="list-style-type: none"> Health forums, YouTube health advice, telemedicine apps. 8.2 Offline: <ul style="list-style-type: none"> primary care visits, local health camps, support groups. |
| RC | PROBLEM ROOT CAUSE (RC) What's the deeper reason this problem exists? e.g. lack of awareness, systemic inefficiencies. | RC | YOUR SOLUTION (SL) Describe your Health AI product or concept. | |



References :

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>