



## Project Design Phase

### Problem – Solution Fit Template

#### Project Design Phase : Problem – Solution Fit Template :

 Date: 21 JUNE 2025

 Team ID: LTVIP2025TMID38244

 Project Name: HealthAI: Intelligent Healthcare Assistant Using IBM Granite 

Maximum Marks: 2 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

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #f8d7da; padding: 2px 5px; font-weight: bold;">CS</div> <div style="flex-grow: 1;"> <b>CUSTOMER SEGMENTS (CS)</b>            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.         </div> <div style="background-color: #f8d7da; padding: 2px 5px; font-weight: bold;">CS</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #fff3cd; padding: 2px 5px; font-weight: bold;">J&amp;P</div> <div style="flex-grow: 1;"> <b>JOBS-TO-BE-DONE / PROBLEMS (J&amp;P)</b>            What specific health challenges do they face?            e.g. medication adherence, early diagnosis, appointment management, lifestyle monitoring.         </div> <div style="background-color: #fff3cd; padding: 2px 5px; font-weight: bold;">J&amp;P</div> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #fff3cd; padding: 2px 5px; font-weight: bold;">TR</div> <div style="flex-grow: 1;"> <b>TRIGGERS (TR)</b>            What drives users to seek a solution?            e.g. worsening symptoms, hospital readmission, advice from a physician or caretaker.         </div> <div style="background-color: #fff3cd; padding: 2px 5px; font-weight: bold;">TR</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">EM</div> <div style="flex-grow: 1;"> <b>EMOTIONS: BEFORE / AFTER (EM)</b>            How do they feel before the solution vs. after?            e.g. digital literacy, cost, lack of smartphones, unreliable internet.         </div> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">EM</div> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">CC</div> <div style="flex-grow: 1;"> <b>CUSTOMER CONSTRAINTS (CC)</b>            What obstacles might prevent them from accessing help?            e.g. digital literacy, cost, lack of smartphones, unreliable internet.         </div> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">CC</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">BE</div> <div style="flex-grow: 1;"> <b>BEHAVIOUR (BE)</b>            What do users do to manage their health problems?            e.g. rely on memory for meds, ask family members for help.         </div> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">BE</div> </div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">RC</div> <div style="flex-grow: 1;"> <b>PROBLEM ROOT CAUSE (RC)</b>            What's the deeper reason this problem exists?            e.g. lack of awareness, systemic inefficiencies.         </div> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">RC</div> </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">SL</div> <div style="flex-grow: 1;"> <b>YOUR SOLUTION (SL)</b>            Describe your Health AI product or concept.         </div> <div style="background-color: #d1ecf1; padding: 2px 5px; font-weight: bold;">SL</div> </div>



## References :

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