Project Design Phase
Problem – Solution Fit

Date	27 June 2025
Team ID	LTVIP2025TMID59561
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	2 Marks

Problem – Solution Fit:

Problem-Solution Fit canvas

Purpose / Vision

Version:

1. CUSTOMER SEGMENT(S) — CS
Define CS, fit into CL

-> Patients with chronic conditions (e.g., diabetes, hypertension)
->Caregivers managing patient health records

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES — CL

->Limited technical knowledge
->Budget constraints (especially for premium services)
->Accessibility issues in rural areas

5. AVAILABLE SOLUTIONS PROS & CONS — AS
Explore AS, differentiate

->**WebMD / Online forums:** Widely available, but low reliability
->**Doctor visits:** Reliable but time-consuming and limited availability

2. PROBLEMS / PAINS + ITS FREQUENCY — PR
Focus on PR, tap into BE, understand RC

->Lack of access to reliable, timely medical advice (frequent)
->Difficulty interpreting health reports and metrics (common)
->Overwhelmed by unverified online health information (very common)
->Inconsistent patient tracking across different devices (frequent)

9. PROBLEM ROOT / CAUSE — RC

->Healthcare system overload and inaccessibility
->Lack of personalized, real-time interpretation of health data
->Misinformation online due to non-expert sources
->Fragmentation of patient data across systems

7. BEHAVIOR + ITS INTENSITY — BE
Focus on PR, tap into BE, understand RC

->Users search symptoms on Google regularly
->Moderate adoption of health tracking apps
->Increasing interest in self-care and wellness insights
->High engagement during health scares (e.g., post-COVID awareness)

3. TRIGGERS TO ACT — TR
Identify strong TR & EM

->**Before:** Confused, anxious, helpless, uncertain
->**After:** Informed, reassured, empowered

4. EMOTIONS BEFORE / AFTER — EM

->Experiencing unusual symptoms
->Doctor unavailable or too expensive
->Wanting preventive health checkups or insights

10. YOUR SOLUTION — SL

HealthAI: A virtual healthcare assistant that:
->Offers chat-based, medically grounded consultations
->Generates treatment plans and preventive care suggestions
->Visualizes health data for better decision-making
->Consolidates patient data and insights into one intuitive dashboard

8. CHANNELS of BEHAVIOR — CH
Extract online & offline CH of BE

ONLINE

->Search engines (Google, Bing)
->Health forums and blogs

OFFLINE

->Clinics, hospitals
->Pharmacy discussions
->Community health workshops

IdeaHackers.NL

References:

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