Project Design Phase-I
Problem – Solution Fit

Date	19 September 2022
Team ID	PNT2022TMID12138
Project Name	Project - Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	2 Marks

Problem – Solution Fit:

Here our problem is elderly people forget to take their medicine at the correct time and they forget which medicine to take on that time. It is difficult for the caretakers or doctors to oversee them always on that right time every day.

Purpose:

- ❑ An app is built for the user (caretaker) which enables him to set the desired time and medicine. These details will be stored in the IBM Cloudant DB.
- ❑ If the medicine time arrives the web application will send the medicine name to the IoT Device through the IBM IoT platform.
- ❑ The device will receive the medicine name and notify the user with voice commands.

Template:

1. CUSTOMER SEGMENT(S) — CS	6. CUSTOMER CONSTRAINTS — CC	5. AVAILABLE SOLUTIONS — AS
Who is your customer? i.e. working parents of 0-5 y.o. kids	What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.	Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking
Elderly people at the age above 40	Low accessibility to solutionsInstitutions to support ideaMaintenance of system	Manual or Apps used from App Stores

(Left margin: Define CS, fit into CC / Explore AS, differentiate)

2. JOBS-TO-BE-DONE / PROBLEMS — J&P	9. PROBLEM ROOT CAUSE — RC	7. BEHAVIOUR — BE
Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.	What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.	What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)
Develop machine remainder system.Build a cloud-native solutionUser should receive notification via protocolVoice alerts	Lack of awareness, bad inventory management	Customers try to set remainders manually for intake of medication

(Left margin: Focus on J&P, tap into BE, understand RC)

3. TRIGGERS — TR	10. YOUR SOLUTION — SL	8. CHANNELS of BEHAVIOUR — CH
What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.	If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality. If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.	8.1 ONLINE — What kind of actions do customers take online? Extract online channels from #7
Health risks related to medication	Build a cloud based solution that reminds user for medicine intake	Set tracking apps to track activities

4. EMOTIONS: BEFORE / AFTER — EM		8.2 OFFLINE — What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.
How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.		Urge family members and peers to remind them
insecure -> confident		

(Left margin: Identify strong TR & EM / Extract online & offline CH of BE)

References:

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