

Project Design Phase-I Problem – Solution Fit

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID14815 |
| 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:

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|-------------------------|---|--|--|-----------------------------------|
| Define CS, fit into CC | 1. CUSTOMER SEGMENT(S) CS <small>Who is your customer? i.e. working parents of 0-5 y.o. kids</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Elderly people at the age above 40</div> | 6. CUSTOMER CONSTRAINTS CC <small>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.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Low accessibility to solutions Institutions to support idea Maintenance of system</div> | 5. AVAILABLE SOLUTIONS AS <small>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</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Manual or Apps used from App Stores</div> | Explore AS, differentiate |
| | 2. JOBS-TO-BE-DONE / PROBLEMS J&P <small>Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Develop machine remainder system. Build a cloud-native solution User should receive notification via protocol Voice alerts</div> | 9. PROBLEM ROOT CAUSE RC <small>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.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Lack of awareness, bad inventory management</div> | 7. BEHAVIOUR BE <small>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)</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Customers try to set reminders manually for intake of medication</div> | |
| Identify strong TR & EM | 3. TRIGGERS TR <small>What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Health risks related to medication</div> | 10. YOUR SOLUTION SL <small>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.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Build a cloud based solution that reminds user for medicine intake</div> | 8. CHANNELS OF BEHAVIOUR CH 8.1 ONLINE <small>What kind of actions do customers take online? Extract online channels from #7 and use them for customer development.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Set tracking apps to track activities</div> | Extract online & offline CH of BE |
| | 4. EMOTIONS: BEFORE / AFTER EM <small>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.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">insecure -> confident</div> | 8.2 OFFLINE <small>What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.</small> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;">Urge family members and peers to remind them</div> | | |

References:

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