

Project Design Phase-I - Solution Fit

Project Title:Personal Assistance for senior citizens who are self-reliant

Team ID: PNT2022TMID27535

1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none">• Senior citizens aged from 60-80 and caregivers aged from 30-60, who are familiar with the use of smart phone, minimum use of internet at least 2hrs a day and mobile apps.• Individuals with chronic disabilities.• Physically challenged who are self-reliant.	6. CUSTOMER CONSTRAINTS CC <ul style="list-style-type: none">• Network connectivity is mandatory.• Device should be near the user's vicinity.• Prior knowledge of using web apps.• Only registered users can access the app.• Pill name and time needs to be entered manually for each medicine to the app.	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none">• Pill reminder charts, drug diaries, calendar clocks, telephone prompting service, multi compartment compliance aids (MCAs), talking labels, voice reminders, watch reminders, daily pill boxes, and automated pill dispensers.
2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none">• Less dependant on caregivers.• Accurate medicine intake and notifying system.• Better lifestyle for patients avoiding overdosage.• Wrong intake of pill is not possible.	9. PROBLEM ROOT CAUSE RC <ul style="list-style-type: none">• Lack of caregivers.• Population aging causes chronic illness and require medication on a day-to-day basis.• Forgetfulness developed in elderly due to age constraints	7. BEHAVIOUR BE <ul style="list-style-type: none">• Customers can use the user-guide available in the 'help' section.• Demo video links will be provided for better understanding about the working.

<div>3. TRIGGERS</div> <div>TR</div> <div><ul style="list-style-type: none">•Doctor's recommendation.•Creating website for advertising with features such as online ordering of the product.</div>	<div>10. YOUR SOLUTION</div> <div>SL</div> <div><ul style="list-style-type: none">•Notifying the medicine name at the appropriate time using voice commands with the help of data fed into the web application which sends the medicine name when the deadline is met.•The user details which are fed into the app are stored in IBM Cloudant DB.•The voice commands are triggered using the Node-Red platform.</div>	<div>8.CHANNELS of BEHAVIOUR</div> <div>CH</div> <div><div>ONLINE:</div><ul style="list-style-type: none">• The medicine name and intake time is scheduled.<div>OFFLINE:</div><ul style="list-style-type: none">• Users get the notification to take the medicine on time</div>
<div>4. EMOTIONS:</div> <div>EM</div> <div><div>BEFORE:</div><ul style="list-style-type: none">• Elderly felt insecure about not taking medicine on time<div>AFTER:</div><ul style="list-style-type: none">• Elderly users feel confident in taking medication at the right time.</div>		