

Proposed Solution

Personal assistance for self-reliant Seniors

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Problem statement

1

When the Senior citizens wants to live self-reliant, their first basic need is to take their medications on their own on time without fail. But due to aging factors, they tend to forget the name of tablet and the time they need to take it. And also they may forget whether they took the tablet or not. This hinders the self-reliability of the seniors citizens and pose them a great challenge.

Solution description

2

To overcome all those shortcomings of old age and to live self-reliant, they definitely need the assistance from the technology. Thus we would develop an app which enables the caretaker to set desired time and medicine. When the correct time arrives, the application would remind the user to take the correct medicine through voice commands. For accomplishing this, we would take the help of IBM Cloud to store the database of medicine and time to take it and Python to generate voice commands

Novelty/Uniqueness

3

We have planned to convert the Pill box into an IOT device such that it can give voice commands to its users. The Pill box may also have an LCD display to show the name of medicine that is needed to be taken.

Social impact/Customer satisfaction

4

When the caretaker of the seniors gets out of station for few days, they would not worry about the medications that is required to be given to the elders. This web applications shall remind the elders to take their medications on time. So, the social impact of this web application would be more welcoming and positive. This will allow them to assist their elders from anywhere in the world and take care of them without any hinderance.

Business model

5

This web applications mainly aims at the families where senior citizens are a part of. So, such type of customers should be catered to use the services provided by this web applications. It could be promoted among them by giving ads explaining briefly about the benefits and advantages of using the application and how it allows them to care for their elders from anywhere in the world with the help of this application. The revenue could be generated reasonably as the project mostly focusses to provide this as a service for those elders non-profitably.

Scalability of the solution

6

Scalability of a system is all about the flexibility of the product to accomodate expansion to increase the efficient, inheriting all its existing workflow and features. This product will surely be scalable in all aspects as it is just the basic design. It can be scaled up with a lot of features like , it can alert when the tablet gets over, GPS can be set in the pillbox such that it could be found even if its misplaced.