PROJECT TITLE:
Personal Assistance for Seniors Who Are Self-Reliant

Date of Submission: 16/09/2022
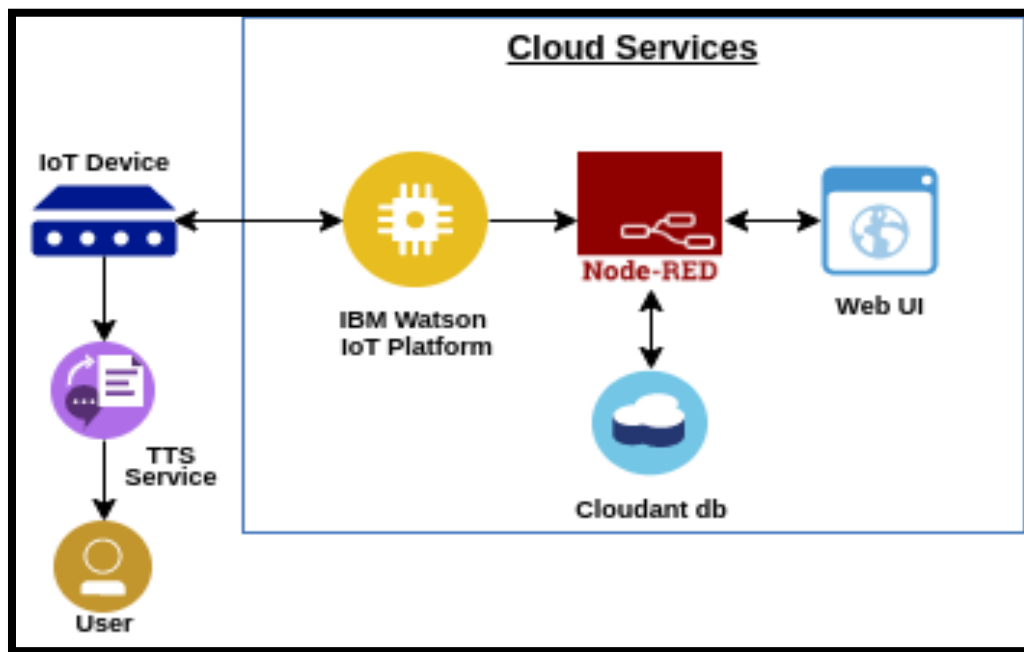
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Problem Statement:

Sometimes elderly people forget to take their medicine at the correct time. They also forget which medicine He / She should take at that particular time. And it is difficult for doctors/caretakers to monitor the patients around the clock. To avoid this problem, this medicine reminder system is developed. 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.

Technical Architecture:

BRAINSTORMING IDEAS:

Roshan Tariq

An easy to use reminder system for the elderly	Send reminders via Voice messages
A system that tells the user to buy their next batch of medicines	An Emergency Button that calls Emergency services in case of emergencies

Sankar Kalidas A

A report on Medicine Intake Statistics	A calling system to ensure the availability of the user before voice feedback of medicine details
An alert message that tells the caretaker if the medicine stash is about to empty	A message that alerts the caretaker if the patient hasn't taken their tablet on time.

BRAINSTORMING SESSION

Kavi T

An option to call their doctors via voice/video call for easier prescription

A system that lets the user to order medicine from the comfort of their home

Service that lets the user to book an online consultation with their doctor

A system that monitors your weight and checks for other vitals like Heart rate, blood pressure levels etc.

Bala Surya S

Easy User Interface

Monitor medicine intake to prevent Over-dosage

A chat-bot like system that suggests medicines for different medical conditions

Suggest diet plans for faster recovery

Praveen K

Text to speech used to convey the alert messages

Store the data in IBM Cloud Database

A system that prevents users to buy unprescribed or lethal medicines

Check the expiry dates on medicines

BRAINSTORMING SESSION

IDEA 1	IDEA 2	IDEA 3
An easy to use medicine reminder system for the elderly that helps the caretakers to monitor their patients more effectively, thus helping in preventing errs in medicine intake and other such accidents	To send reminders via Voice message where an alert message tells the caretaker if the has or hasn't taken their tablets on time. Also alerts them if their medicine stash is about to be empty	To generate a report on the medicine intake statistics that makes it easier for the caretaker to monitor the patients condition