

**PERSONAL ASSISTANCE FOR SENIORS
WHO ARE SELF RELIANT**

Team ID: PNT2022TMID21391

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Problem Statement

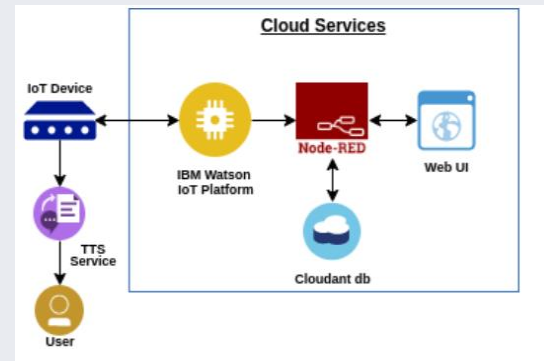
Our problem statement is to remind the elderly persons to take their medicines on correct time.

Customer Problem Statement:

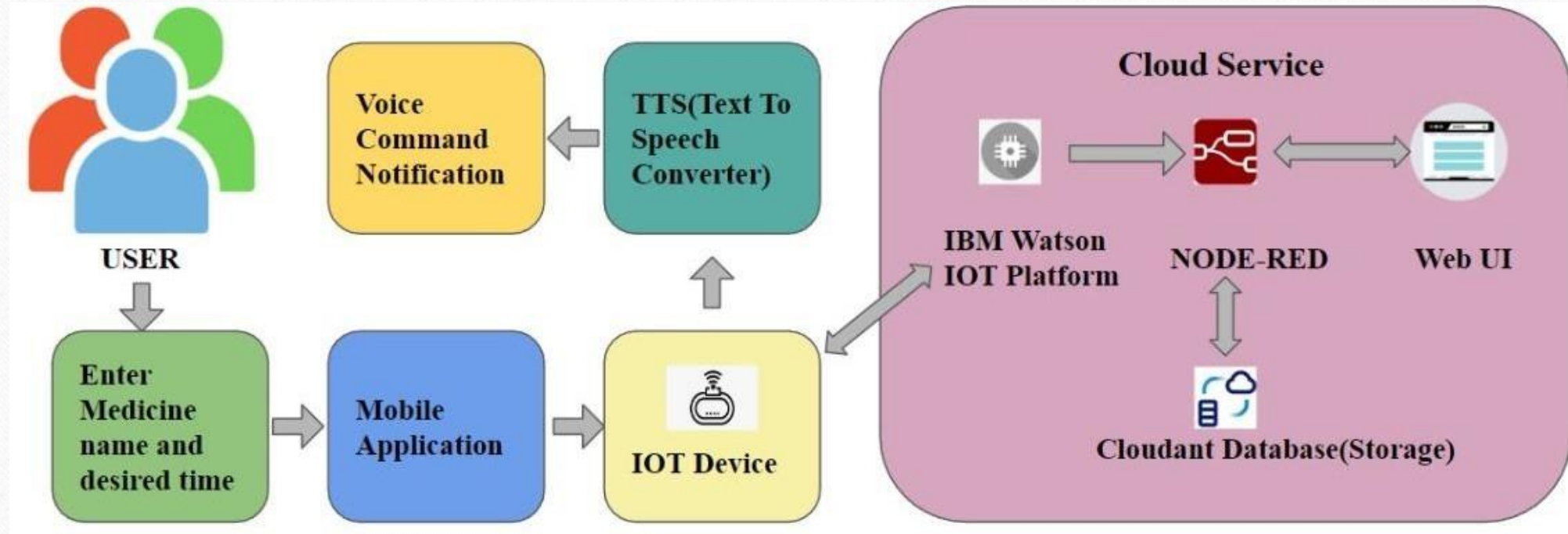
I am	I'm trying to	But	Because	Which makes me feel
A Caretaker	To monitor the elder people whether they take their medicine at the correct time	The elder people forget to take their medicine at the correct time	It requires medical remainder system for the elder people	It is difficult for the user to monitor the patient around the clock

Proposed Solution

S. No	Parameter	Description
1	Problem Statement (Problem to be solved)	➤ Sometimes elderly people forget to take medicines at correct time ,to avoid this medicine remainder system is developed.
2	Idea / Solution description	<ul style="list-style-type: none">➤ In order to monitor elders we proposed medicine reminder system. An app is built for the user (caretaker) which enables them to set the desired time and medicine.➤ These details will be stored in the Cloud DB. If the medicine time arrives the web application will send the medicine name to the IoT Device through the IoT platform. The device will receive the medicine name and notify the user with voice commands.

3	Novelty / Uniqueness	➤ Digital Voice Command technology Notification System.
4	Social Impact / Customer Satisfaction	➤ This will be helpful for the caretakers/doctors for monitoring the health conditions of elders and also this creates positive impact on seniors health.
5	Business Model (Revenue Model)	 <p>The diagram illustrates the system architecture. An IoT Device (blue server icon) is connected to the IBM Watson IoT Platform (yellow gear icon). The IoT Platform is connected to Node-RED (red box icon), which is connected to the Web UI (blue globe icon). Node-RED is also connected to Cloudant db (blue cloud icon). The Web UI is connected to Cloudant db. A TTS Service (purple icon) is connected to the User (orange person icon). The TTS Service is also connected to the IoT Device. The entire system is labeled 'Cloud Services'.</p>
6	Scalability of the Solution	➤ In future increase the number of users, Maintains best possible user experience. ➤ Helps the elders to take medicines regularly ➤ And also helps to refill the medicines.

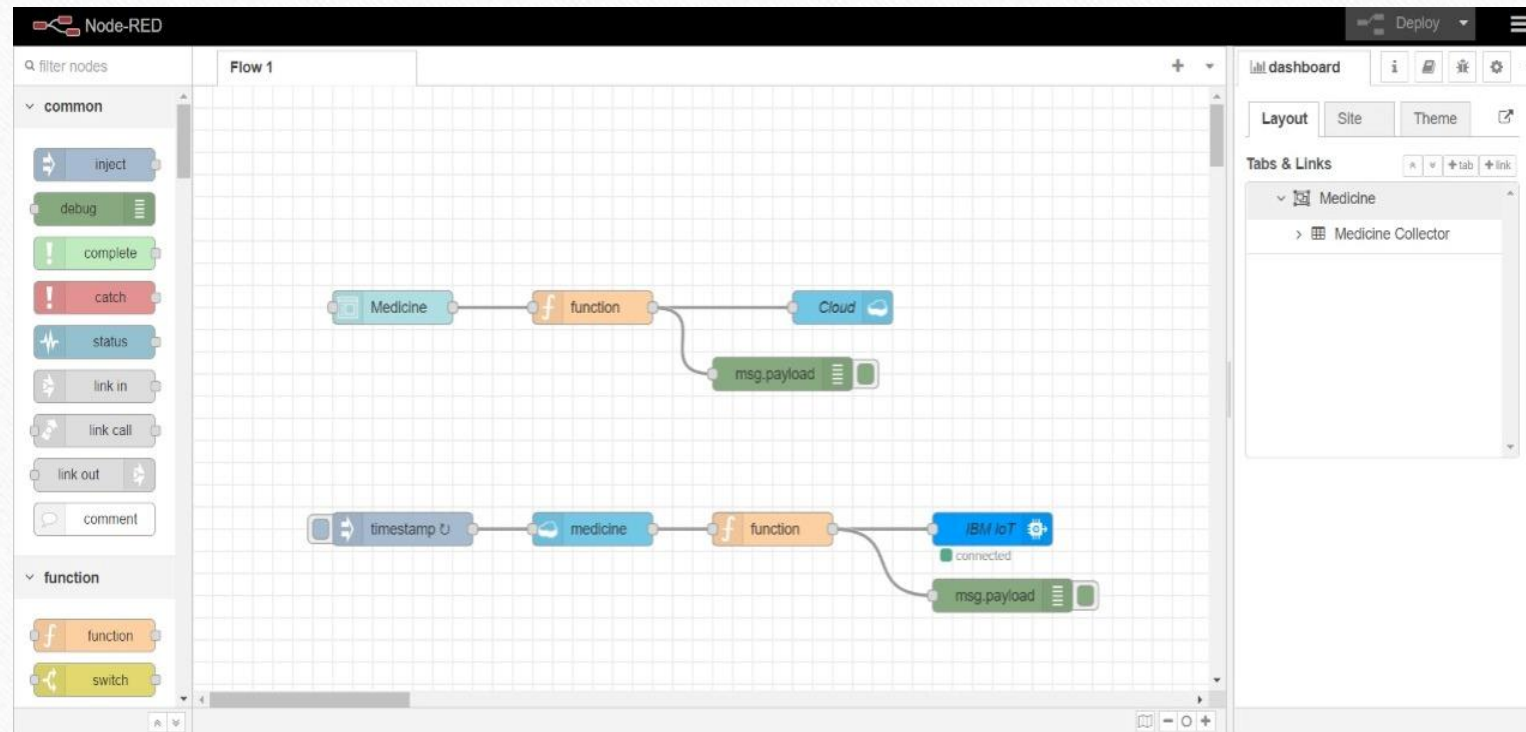
Technical Architecture

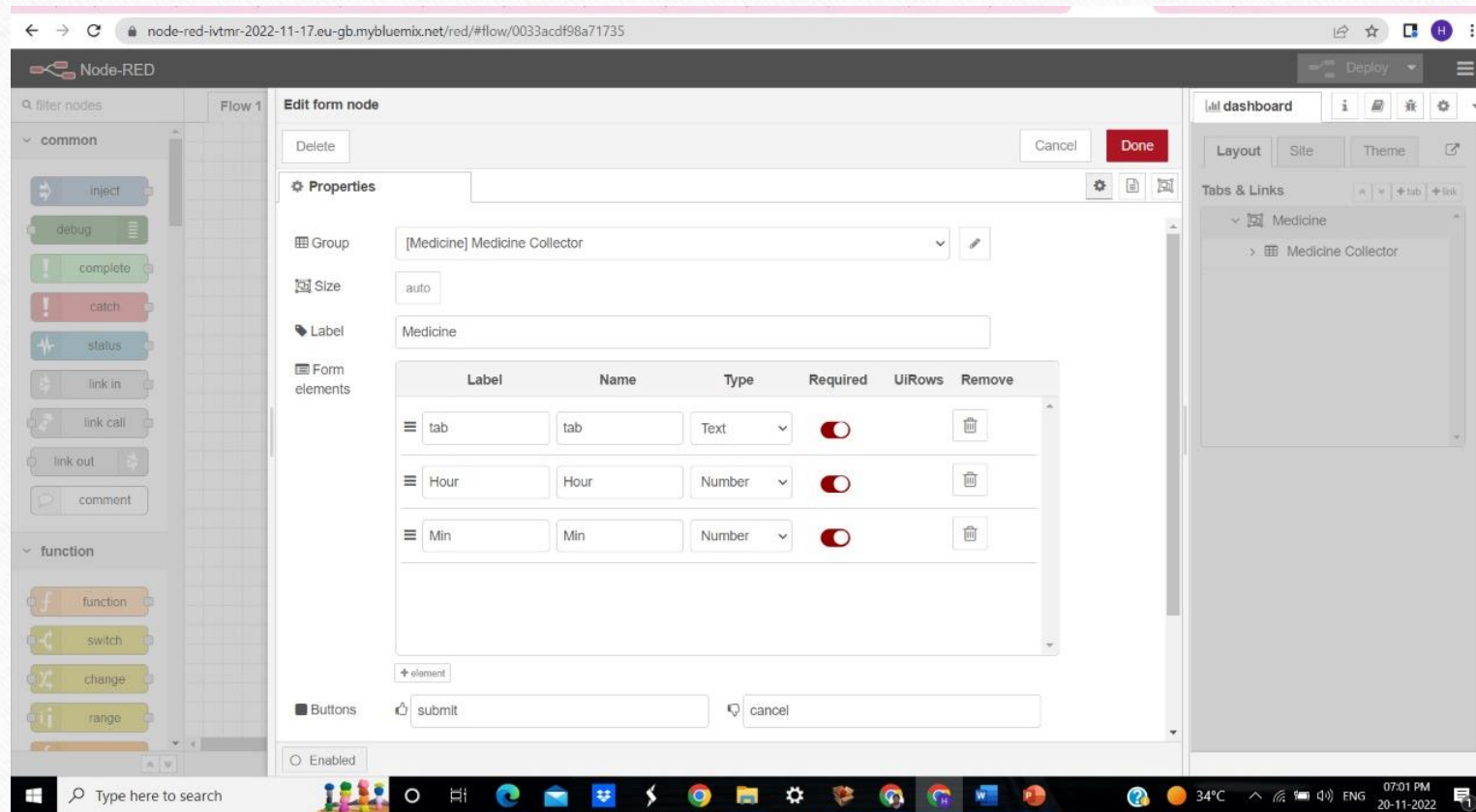


Working Demo of the Project

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- https://drive.google.com/file/d/1VeqFoMyc_XmuVv9yxYQDNWSN4Ng7QkBH/view?usp=share_link

Results





Medicine name and time can be entered to get alert

...the ...

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Harni V's Account

?

Resource list /

Text to Speech-1y

Active

Add tags

Details

Actions...

Manage

Getting started

Service credentials

Plan

Connections

Start by viewing the tutorial

Getting started tutorial

API reference

Plan

Lite

Upgrade

Credentials

Download

Hide credentials

API key:

r19CfHa0itFC4s_8nN2fYhKmdVBku6yqzeedtTcC0Qf1

URL:

https://api.eu-gb.text-to-speech.watson.cloud.ibm.com/instances/3337

Feature Scope

- **Health information:**

The application helps family members to keep track of medicines.

- **Alert message:**

If medicines are out of stock it gives alert message.

- **Order nearby:**

We can order medicines in nearby pharmacy.

- **Users:**

Single point to multi point user.

Thank you