

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT 2

Date	14 November 2022
Team ID	PNT2022TMID33765
Project Name	Personal Assistance for Seniors who are Self-reliant

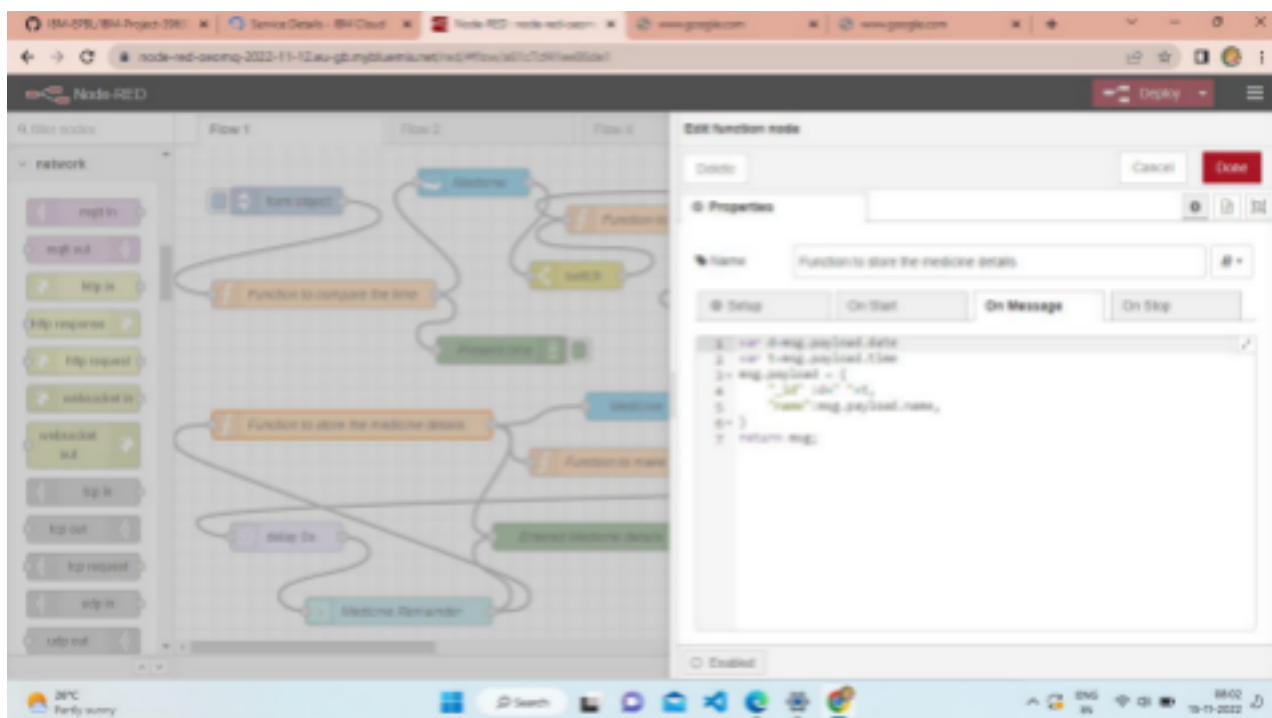
Outline of Sprint 2

This sprint delivery document contains the following,

- 1) To create a form dashboard to enter the medicine details.
- 2) To send the medicine name at the right time to the IoT device.
- 3) Total node flow of the entire Web UI.
- 4) The results of the web UI after deploying.

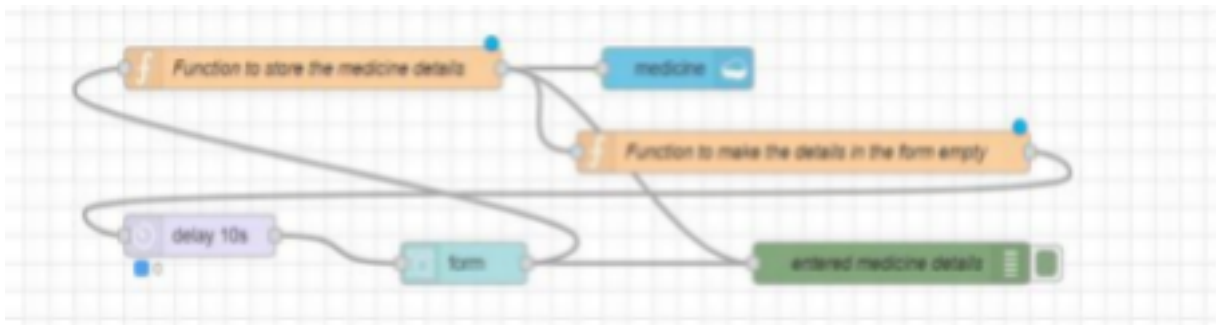
To create a form dashboard to enter the medicine details.

- Create a form in node-red dashboard installed in the manage palette option. · Form allows the user to enter the medicine name, time in which the medicine has to be taken and the day.
- Medicine details entered in the form are stored in the cloudant db database service.



Another function is written to make the contents of the form empty after a delay to facilitate of the other medicine details.

- Node flow for the creation of the form.



- UI for entering the medicine details

To send the medicine name at the right time to the IoT device.

- To accomplish this we need to write a function to compare the present time with the time entered in the form.
- The following function will obtain the present time.

Properties

Name

Function to compare the time

Setup

On Start

On Message

On Stop

```

1 var d=new Date();
2 var utc= d.getTime()+ (d.getTimezoneOffset()*60000);
3 var offset= 5.5;
4 newDate= new Date(utc + (3600000*offset));
5 var n=newDate.toISOString()
6 var date = n.slice(0, 10)
7 var time = n.slice(11,16)
8 global.set('time', time)
9 msg.payload=date+" "+time
10 return msg

```

Properties

Name

Function to send the medicine name to the IoT device

Setup

On Start

On Message

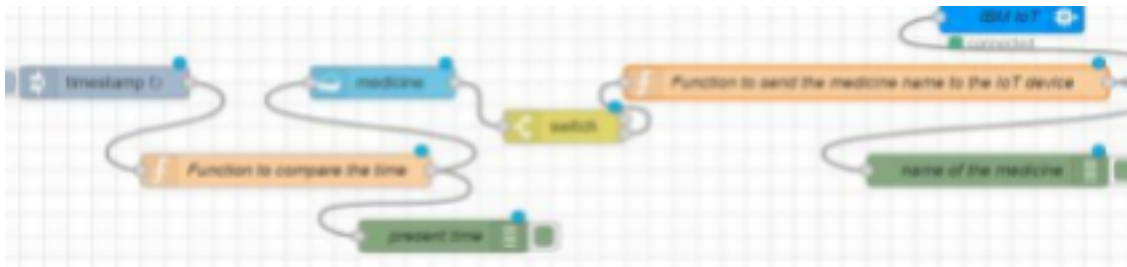
On Stop

```

1 msg.payload={"command":msg.payload.name}
2 return msg;

```

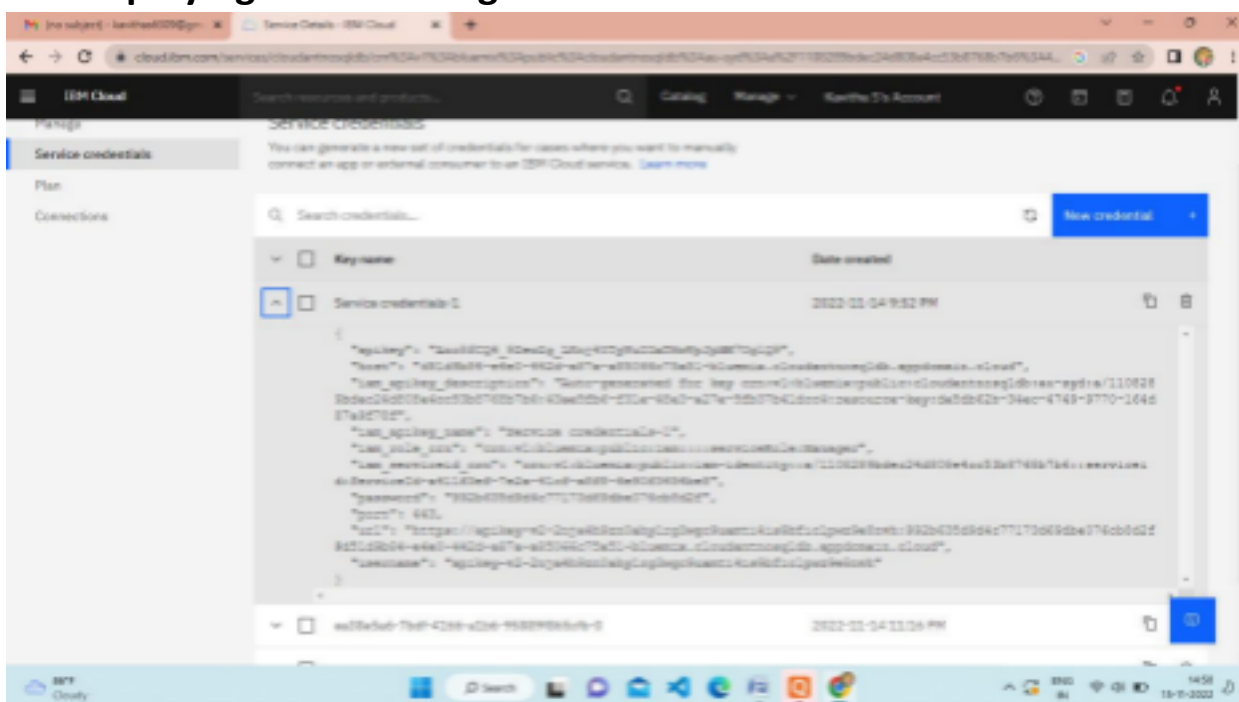
- Node flow for sending the name of the medicine to the IoT device



Total node flow of the entire Web UI



After deploying the following are the results are stored in cloudant database



Sent Mail - kavitha009@... Service Details - IBM Cloud Cloudbant Dashboard - doc... IBM Cloud Docs Node-RED - node-red-onion

← → ↻ a51d9b0d-ed40-443d-a07a-a0506c75a51-0uemia.cloudbant.com/techdocs/html?database=cloudbant-db/_all_docs

← cloudbant-db

Log Out

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options

1330N

Create Document

Table Metadata JSON

	ID	key	value
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<input type="checkbox"/>	doc2	doc2	["new"] 1-4c6b0e03772ea481095c128...
<input type="checkbox"/>	doc3	doc3	["new"] 1-bcd5079e0a327a00022d...

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