PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT 2

Date	06 November 2022
Team ID	PNT2022TMID27573
Project Name	Project – Personal Assistance for senior citizens who are self-reliant

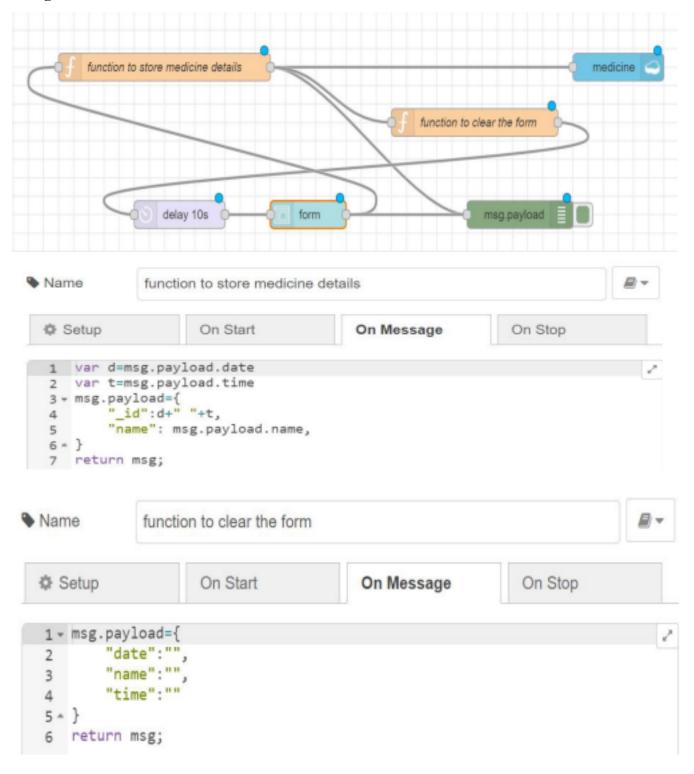
SPRINT II: Development of Web User Interface in NodeRED service of IBM

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	REGISTRATION: Creation of IBM services like NODE RED, Cloudant DB and design of IOT system	USN-1	As a user, I should login into my IBM Cloud account	2	High	Vincy Veronica A, Preethi R
Sprint-2	WEB UI: Creating web UI using node red and connect it to IBM Cloudant DB	USN-2	As a user, I should be able to feed the medicine name and intake time in the web UI	2	High	Maria Anisha, Jane Ruffina Mary
Sprint-3	SOFTWARE IMPLEMENTATION: Developing Python code to retrieve data from cloudant db to send that data to IOT device at appropriate time	USN-3	As a user, I should be able to send the medicine name to the IOT device at the scheduled time	2	High	Preethi R, Maria Anisha
Sprint-4	HARDWARE IMPLEMENTATION: Converting data received from cloud as voice using IBM text to speech service	USN-4	As a user, I must be able to hear the medicine name which is to be taken at the appropriate time	2	High	Vincy Veronica, Jane Ruffina Mary

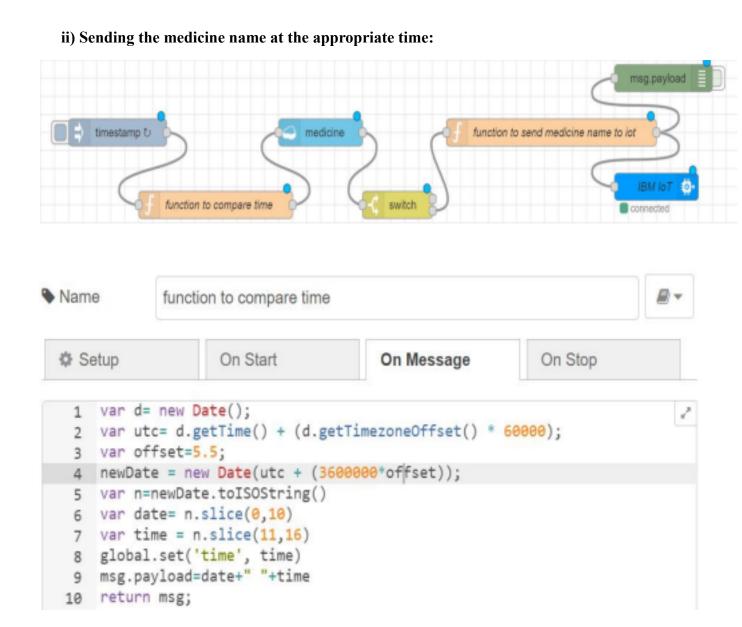
Objectives:

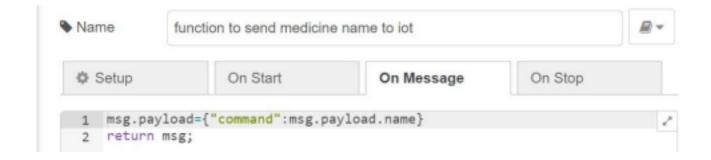
- i) To create a form UI in Node-Red platform to enter the medicine name and time of intake.
- ii) To send the medicine name at the scheduled time.
- iii) Complete Web UI flow
- iv) Deploying Web UI

i)Creating a form in Node-Red to enter medicine details:

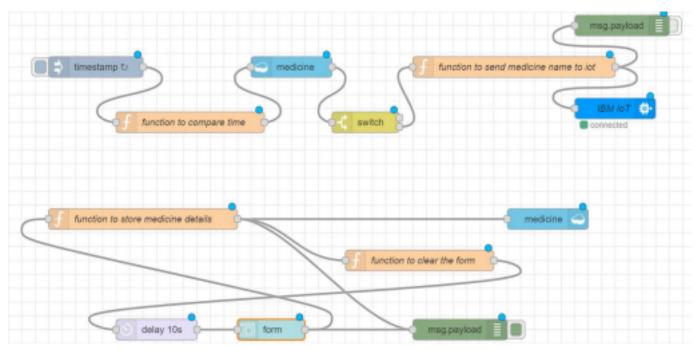


Home		
	Medicine Reminder	
	Enter medicine name *	
	Time(HH:MM) *	
	Date(YYYY:MM:DD) *	
	SUBMIT CANCEL	





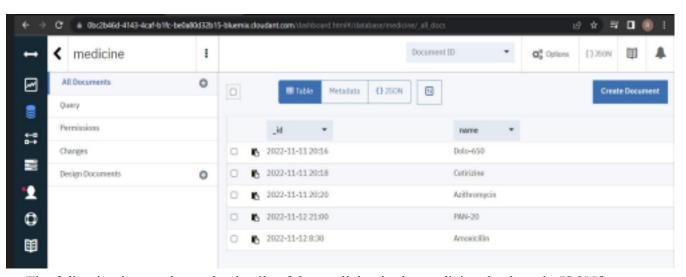
iii)Complete Web UI flow:



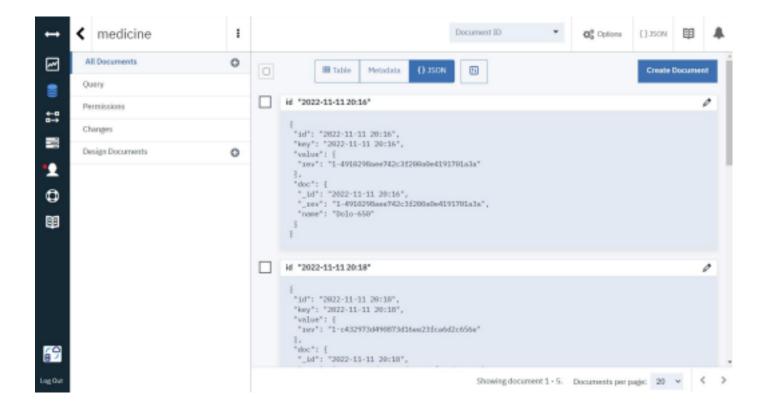
iv)Deploying Web UI:

```
msg.payload : Object
  ▶ { command: "Dolo-650" }
 11/11/2022, 8:17:03 AM node: 3deb0adea99203f0
 msg:string[18]
  "couch returned 404"
 11/11/2022, 8:17:11 AM node: 79156875bd5e0858
 msg.payload : Object
  ▶ { name: "Cetirizine", time: "20:18",
 date: "2022-11-11" }
 11/11/2022, 8:17:11 AM node: 79156875bd5e0858
 msg.payload : Object
  ▶ { _id: "2022-11-11 20:18", name:
  "Cetirizine" }
 11/11/2022, 8:18:03 AM node: 93e43a4beff1447f
 msg.payload : Object
  ▶ { command: "Cetirizine" }
 11/11/2022, 8:18:43 AM node: 79156875bd5e0858
 msg.payload : Object
  ▶ { name: "Azithromycin", time:
 "20:20", date: "2022-11-11" }
 11/11/2022, 8:18:44 AM node: 79156875bd5e0858
 msg.payload : Object
  ▶ { _id: "2022-11-11 20:20", name:
 "Azithromycin" }
```

The following image shows the details of the medicine which is stored in the cloudant dbunderthemedicine database.



The following image shows the details of the medicine in the medicine database in JSON format



The medicine reminder operation is depicted below:

✓ The medicine name Cetirizine and it's intake time 20:18 and date 11.11.2022isstoredinthe database.

```
11/11/2022, 8:17:11 AM node: 79156875bd5e0658
msg.payload: Object

> { name: "Cetirizine", time: "20:18",
date: "2022-11-11" }

11/11/2022, 8:17:11 AM node: 79156875bd5e0858
msg.payload: Object

> { _id: "2022-11-11 20:18", name:
"Cetirizine" }
```

✓ When it's time to take the medicine, the medicine name is sent as a commandtotheIoT device.