PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT 3

Date	11 November 2022
Team ID	PNT2022TMID17729
Project Name	Project – Personal Assistance for senior citizens who are self-reliant

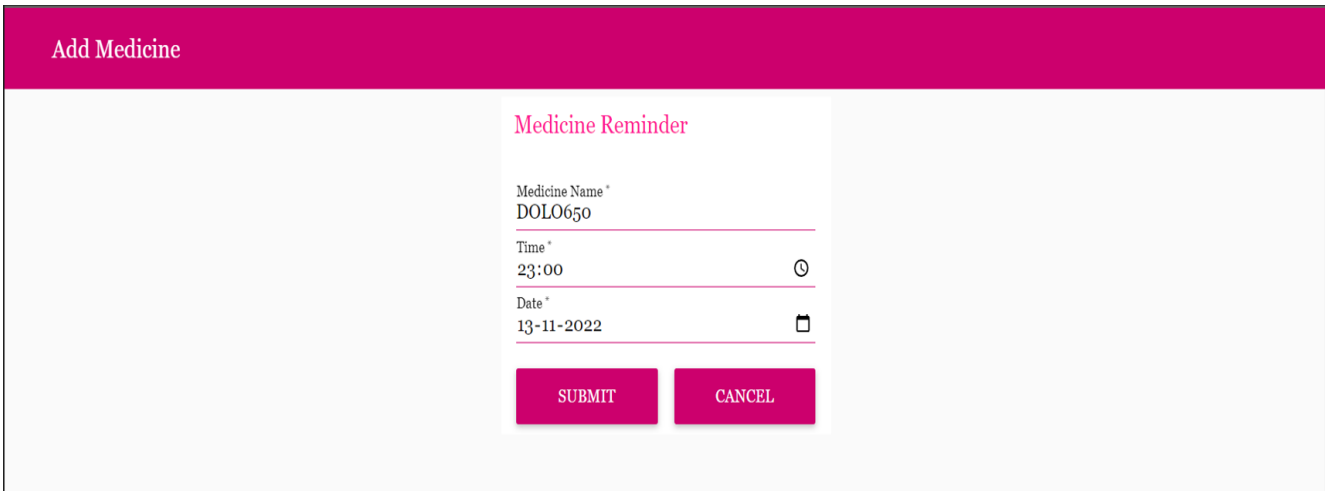
SPRINT III:Hardware Implementation

Objective:

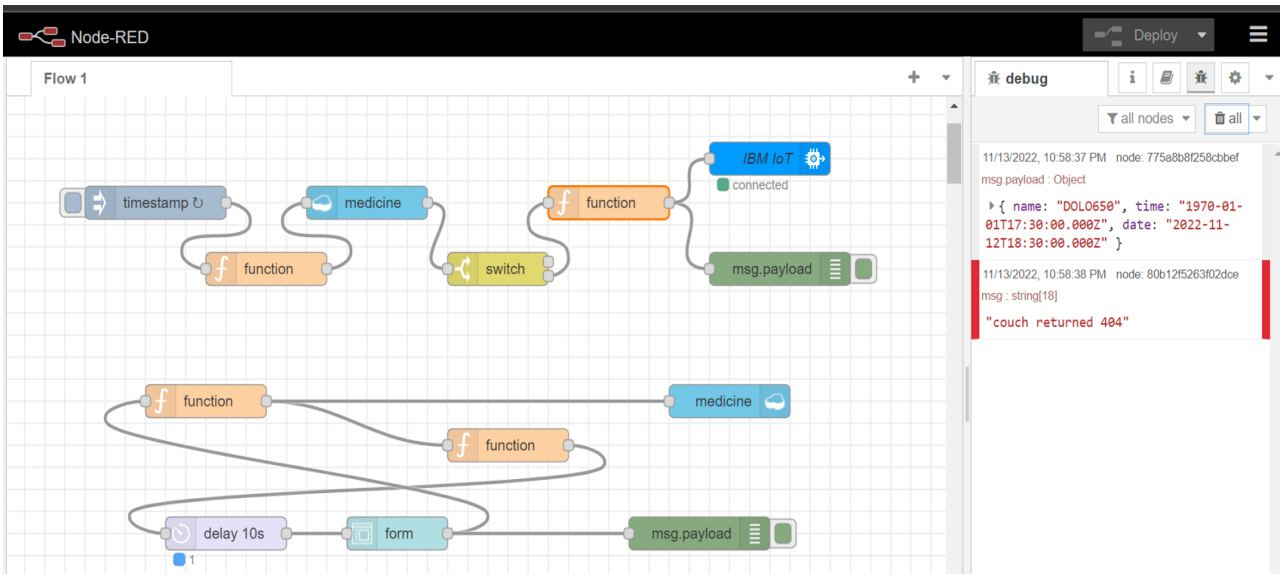
Developing code to retrieve data from cloudant db to send that data to IoT device at the appropriate time.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration: Creation of IBM services like NodeRED, Cloudant DB, TTS Service and design of IoT system	USN-1	As a user,I should login into my IBM Cloud account.	2	High	Mark Gerald, Kingston Leonard
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	Melodina Carnelian D, Rufus A.R
Sprint-3	Hardware implementation: Developing code to retrieve data from cloudant db to send that data to IoT device at the 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	Rufus.A.R, Kingston Leonard
Sprint-4	Software implementation: Converting the data received from cloud as voice using IBM Text to Speech service	USN-4	As a user, I must be able hear the medicine name which is to be taken at the appropriate time	2	High	Melodina Carnelian D, Mark Gerald

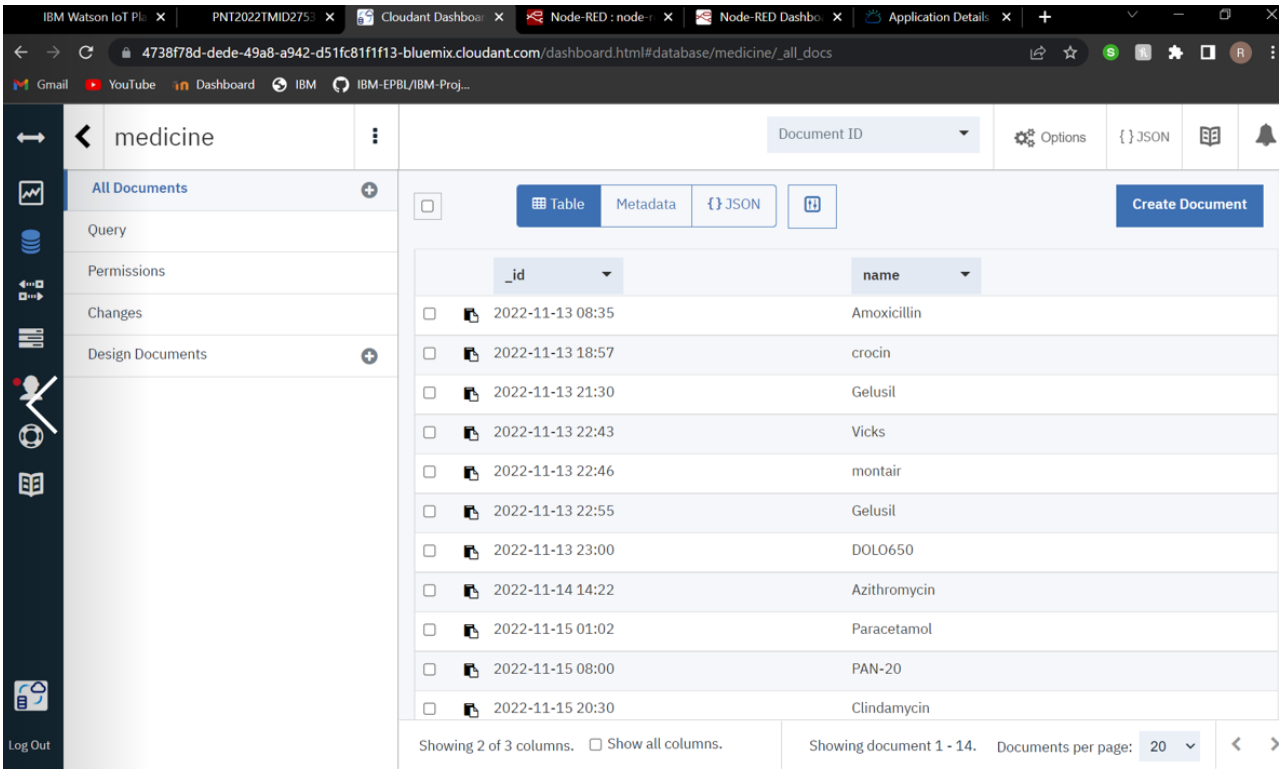
❖ **Scheduling medicine name and intake time:**



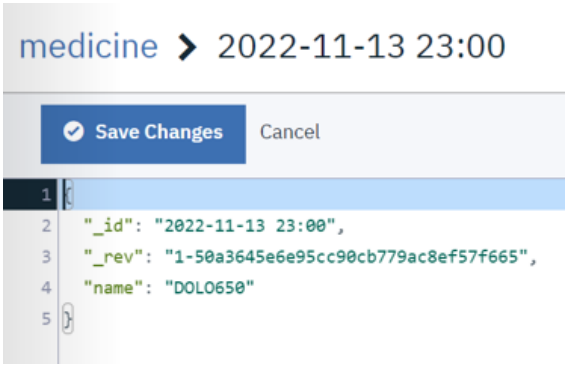
❖ **Medicine details displayed in Node-Red debug window:**



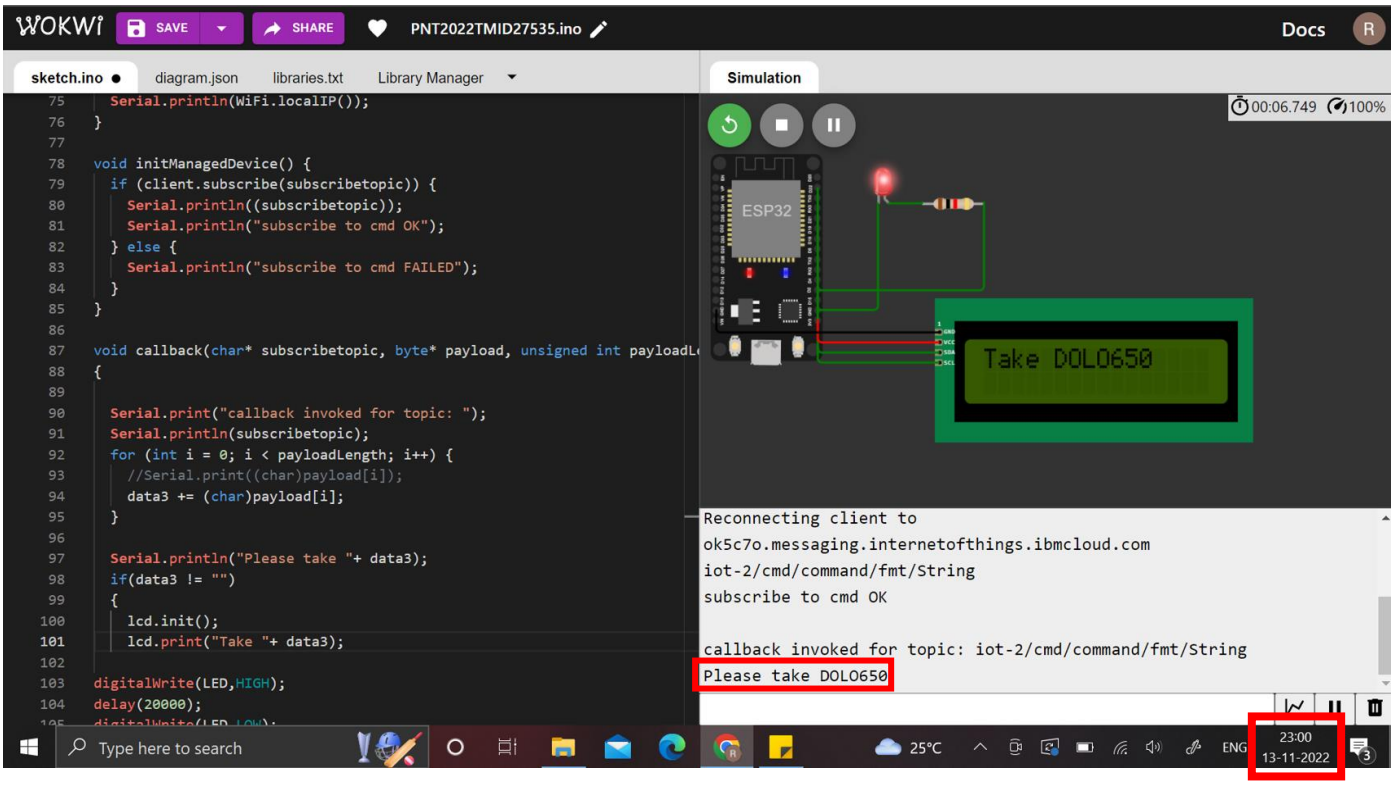
❖ **Medicine details pushed and displayed in IBM Cloudant db:**



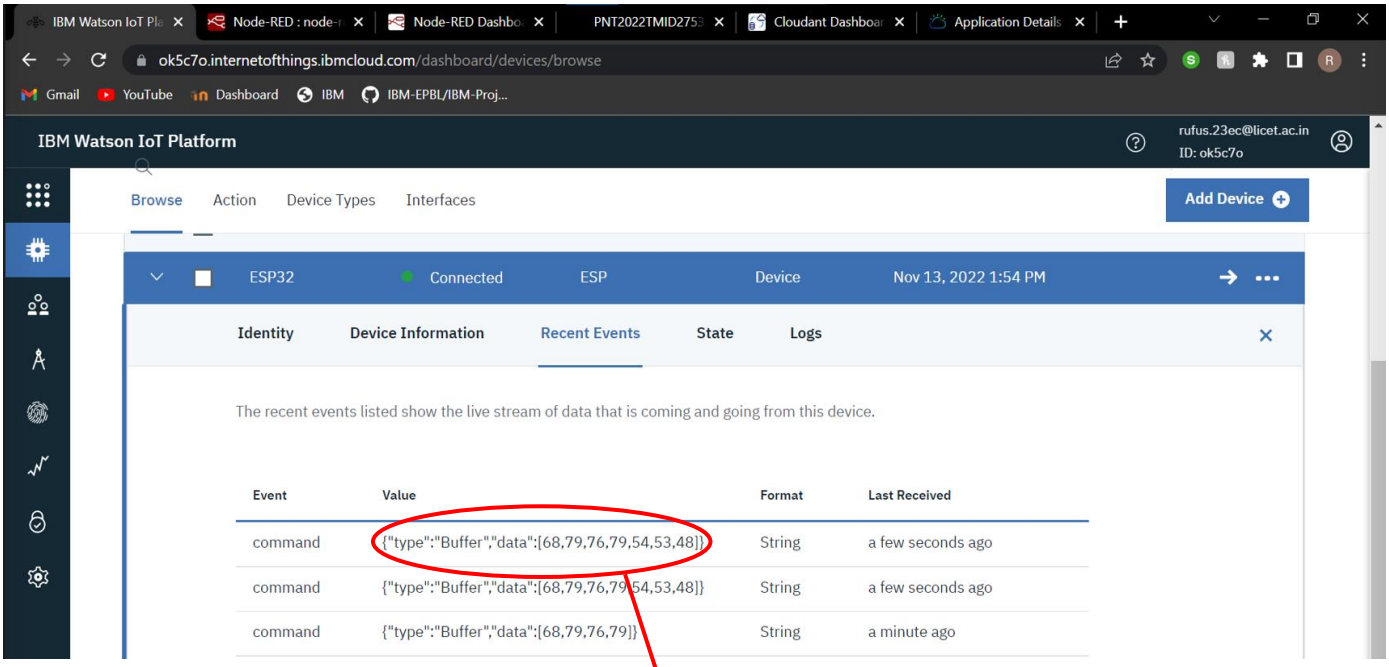
Scheduled DOLO650 medicine to be take at 23:00(11:00PM)



❖ **Medicine name sent to ESP32 on the scheduled time 23:00:**



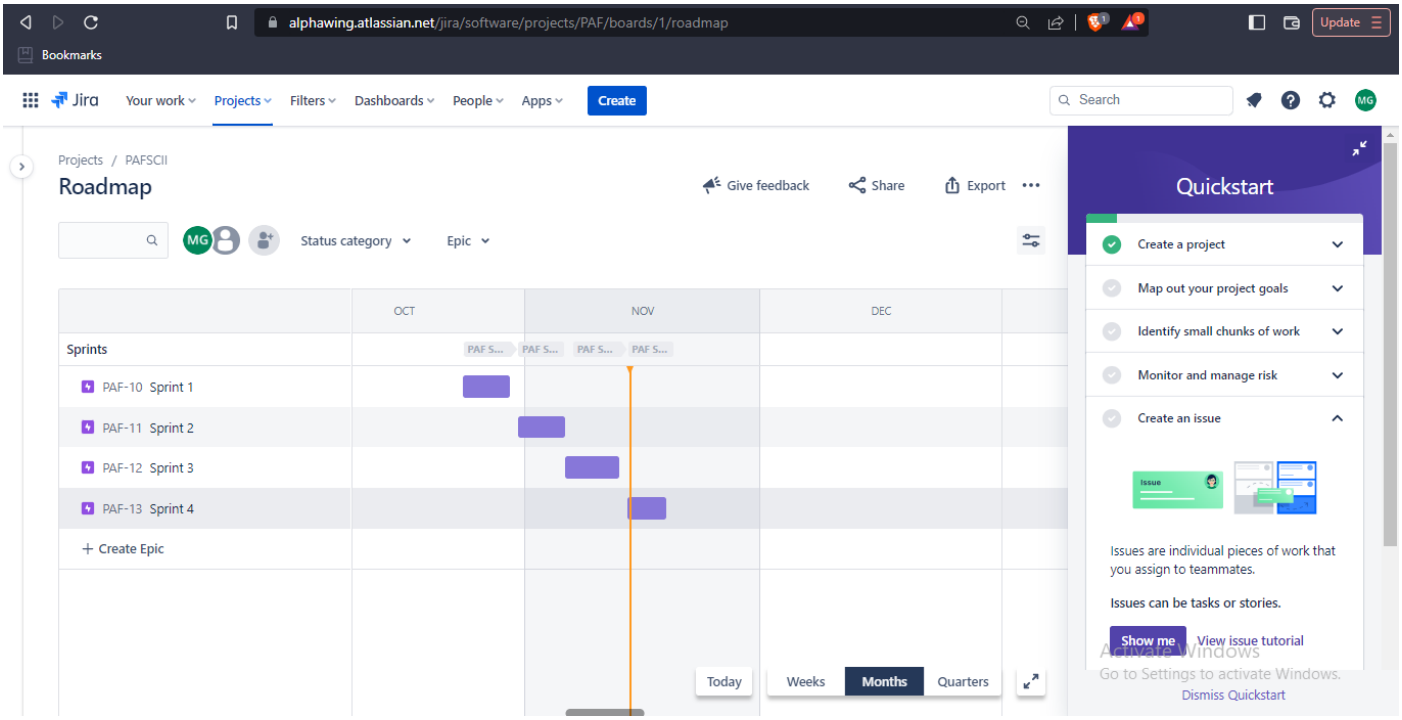
❖ **Medicine name sent to ESP32 on the scheduled time 23:00:**



Medicine name(DOLO650) sent to IBM Watson IoT as ASCII values

Conclusion:

Hardware implementation phase is successfully completed



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