

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT 3

Date	18 November 2022
Team ID	PNT2022TMID48112
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	<u>Registration:</u> 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	<u>Web UI:</u> 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	<u>Hardware implementation:</u> 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	<u>Software implementation:</u> 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

Add Medicine

Medicine Reminder

Medicine Name *

DOL0650

Time *

23:00

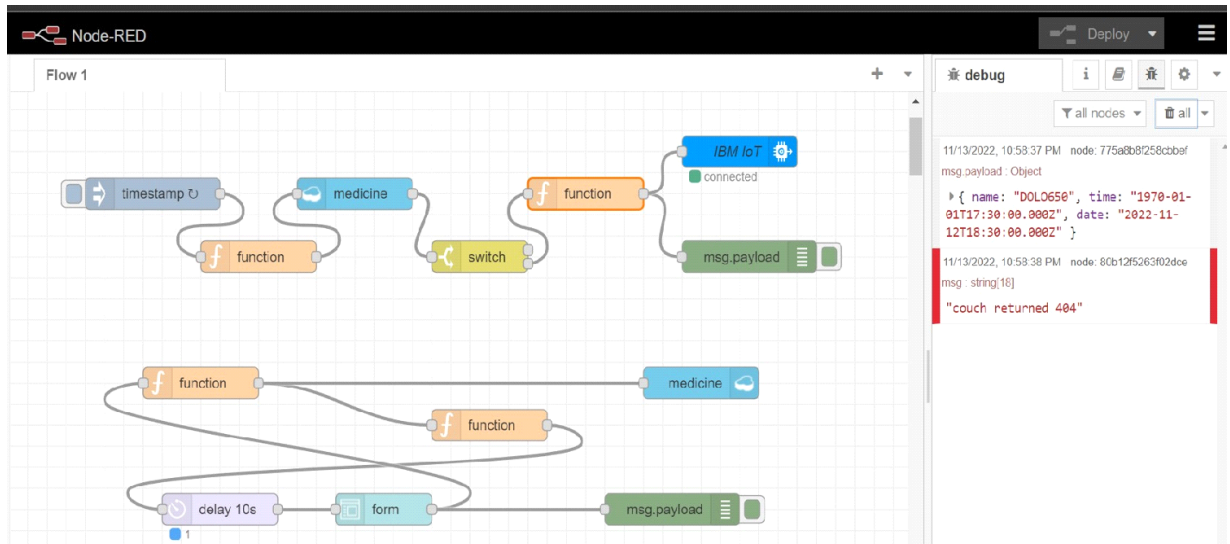
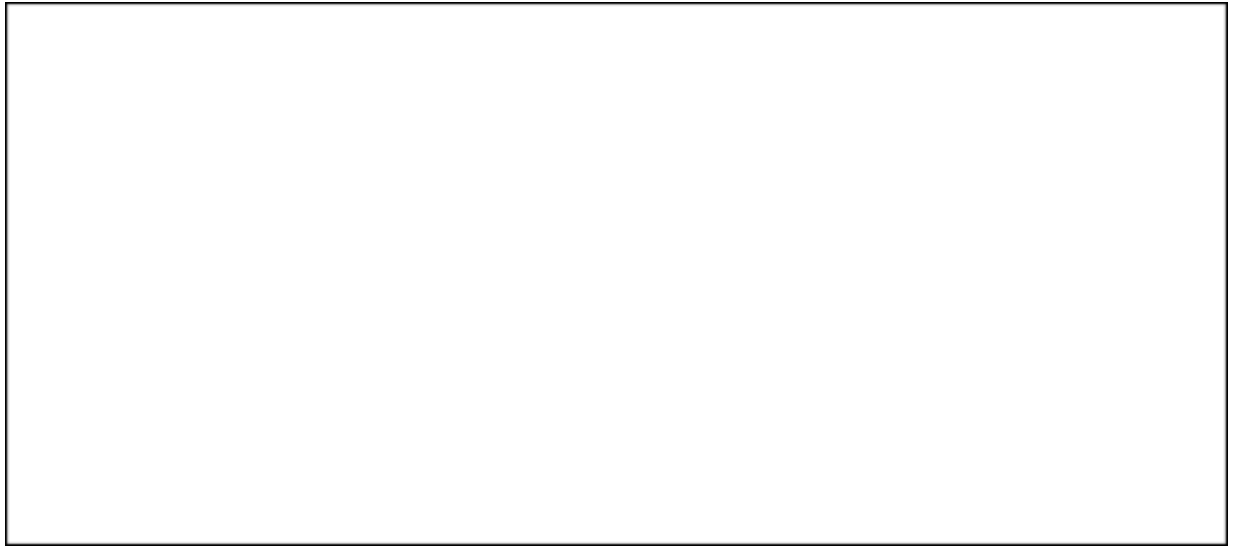
Date *

13-11-2022

SUBMIT

CANCEL

Scheduling medicine name and intake time:



Medicine details displayed in Node-Red debug window:

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

IBM Watson IoT Platform

PNT2022TMD275

Cloudant Dashboard

Node-RED: node

Node-RED Dashboard

Application Details

4738f78d-dede-49a8-a942-d51fc81f1f13-bluemix.cloudant.com/dashboard.html#database/medicine/_all_docs

Gmail YouTube Dashboard IBM IBM-EPBL/IBM-Proj...

medicine

Document ID

Options

JSON

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

JSON

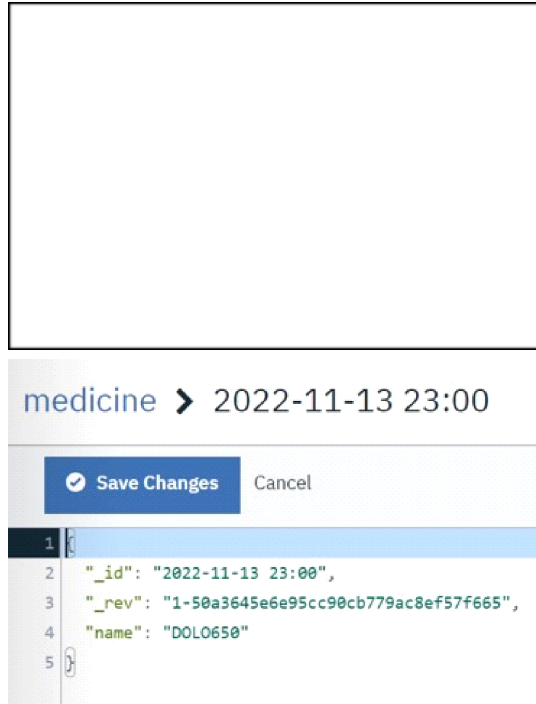
Create Document

	_id	name
<input type="checkbox"/>	2022-11-13 08:35	Amoxicillin
<input type="checkbox"/>	2022-11-13 18:57	crocine
<input type="checkbox"/>	2022-11-13 21:30	Gelusil
<input type="checkbox"/>	2022-11-13 22:43	Vicks
<input type="checkbox"/>	2022-11-13 22:46	montair
<input type="checkbox"/>	2022-11-13 22:55	Gelusil
<input type="checkbox"/>	2022-11-13 23:00	DOLO650
<input type="checkbox"/>	2022-11-14 14:22	Azithromycin
<input type="checkbox"/>	2022-11-15 01:02	Paracetamol
<input type="checkbox"/>	2022-11-15 08:00	PAN-20
<input type="checkbox"/>	2022-11-15 20:30	Clindamycin

Showing 2 of 3 columns. ☐ Show all columns.

Showing document 1 - 14. Documents per page: 20

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

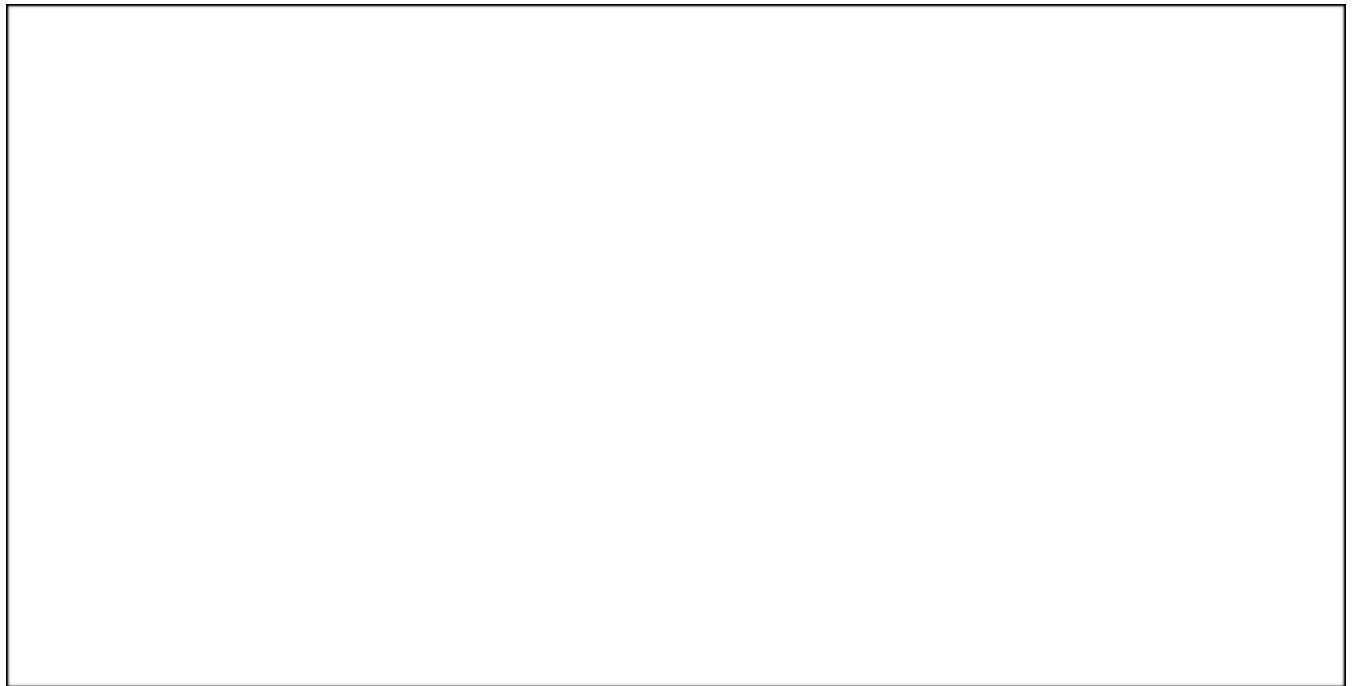


- **Medicine name sent to ESP32 on the scheduled time 23:00:**
- **Medicine name sent to ESP32 on the scheduled time 23:00:**

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

Conclusion:

Hardware implementation phase is successfully completed



alphawing.atlassian.net/jira/software/projects/PAF/boards/1/roadmap

Bookmarks

Jira Your work Projects Filters Dashboards People Apps Create

Search

Projects / PAFSCII

Roadmap

Give feedback Share Export

Search MG Status category Epic

	OCT	NOV	DEC
Sprints		PAF S... PAF S... PAF S... PAF S...	
PAF-10 Sprint 1			
PAF-11 Sprint 2			
PAF-12 Sprint 3			
PAF-13 Sprint 4			
+ Create Epic			

Today Weeks Months Quarters

Quickstart

- Create a project
- Map out your project goals
- Identify small chunks of work
- Monitor and manage risk
- Create an issue

Issues are individual pieces of work that you assign to teammates.

Issues can be tasks or stories.

Show me View issue tutorial

Go to Settings to activate Windows.

Dismiss Quickstart
