

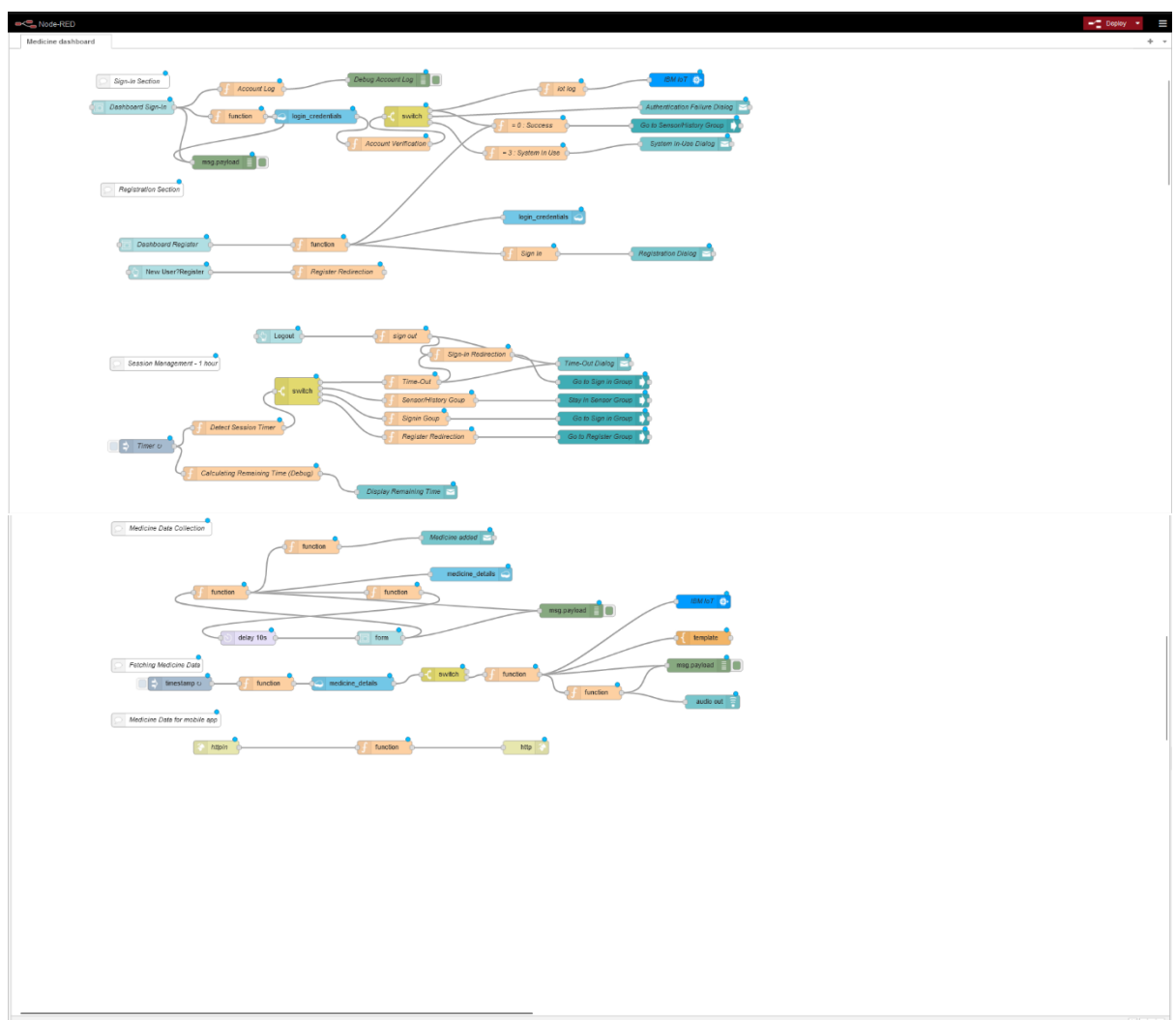
## PROJECT DEVELOPMENT PHASE-SPRINT 2

Date	13 <sup>th</sup> November 2022
Team ID	PNT2022TMID24659
Project Name	Personal assistance for Seniors who are self-reliant
Delivery	Sprint-2

**SPRINT 2** -Creating a Web UI form in Node red and upload the medicine details in Cloudant DB and display the medicine to be taken by fetching it from the Cloudant database. Also Login, logout , register and session management features are included.

## 1. NODE RED FLOW

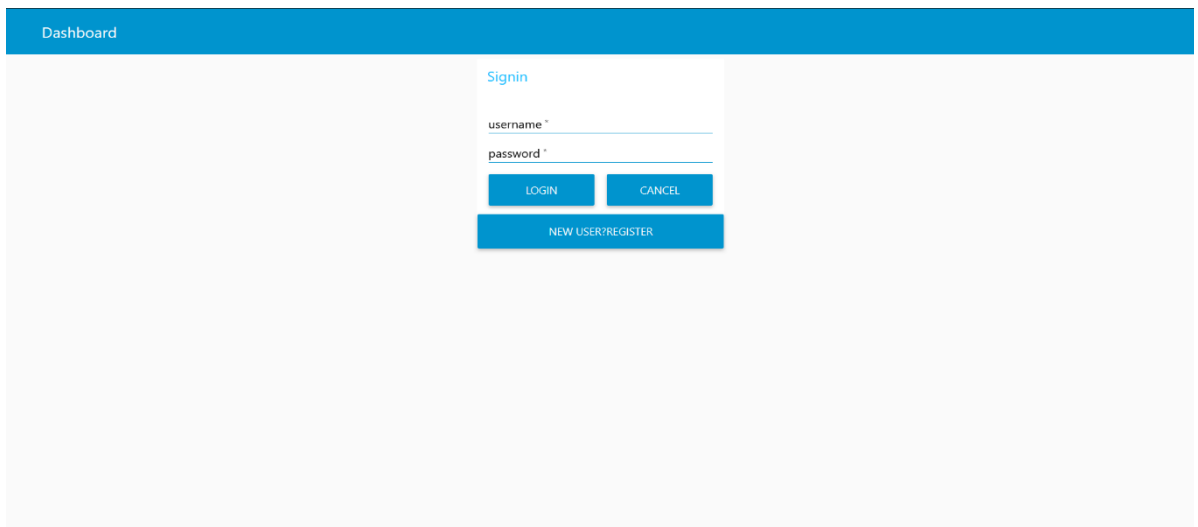
The Node red flow contains nodes for login, register, entering medicine details and also session management.



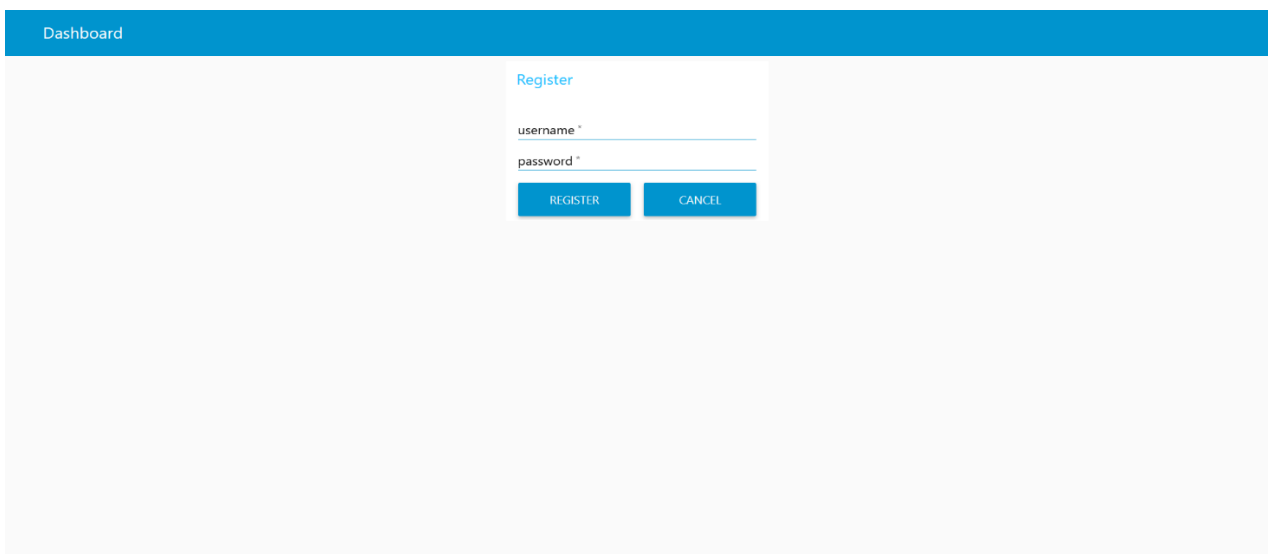
## 2. WEB DASHBOARD

The user can login or register using the username and password to add the medicine details. After logging in or registering the user can enter the medicine name, date and time when it has to be consumed.

- LOGIN PAGE

A screenshot of a web dashboard's login page. At the top, there is a blue header bar with the word "Dashboard" in white. The main content area has a light gray background. In the center, there is a white box with a blue border. Inside this box, the word "Signin" is written in blue. Below it are two input fields: "username \*" and "password \*". Under the password field are two blue buttons: "LOGIN" and "CANCEL". At the bottom of the white box is a blue button with the text "NEW USER?REGISTER" in white.

- REGISTRATION PAGE

A screenshot of a web dashboard's registration page. At the top, there is a blue header bar with the word "Dashboard" in white. The main content area has a light gray background. In the center, there is a white box with a blue border. Inside this box, the word "Register" is written in blue. Below it are two input fields: "username \*" and "password \*". Under the password field are two blue buttons: "REGISTER" and "CANCEL".

- MEDICINE DETAILS

Dashboard

SensorData

Medicine Name \*

Medicine date Please fill out this field

Medicine time(HHMM) \*

ADD

RESET

LOGOUT

### 3. CLOUDANT DATABASE

- LOGIN DATABASE

login\_credentials

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Create Document

	_id	name	password
<input type="checkbox"/>	swathi SWATHI	swathi	SWATHI
<input type="checkbox"/>	swathi Swathi	swathi	Swathi
<input type="checkbox"/>	swathi Lmars	swathi	Lmars
<input type="checkbox"/>	swathi swathi	swathi	swathi
<input type="checkbox"/>	swathi swathiraja	swathi	swathiraja
<input type="checkbox"/>	swathi/28 Swathi	swathi/28	Swathi

Showing 3 of 4 columns. ☐ Show all columns.

Showing document 1 - 6. Documents per page: 100

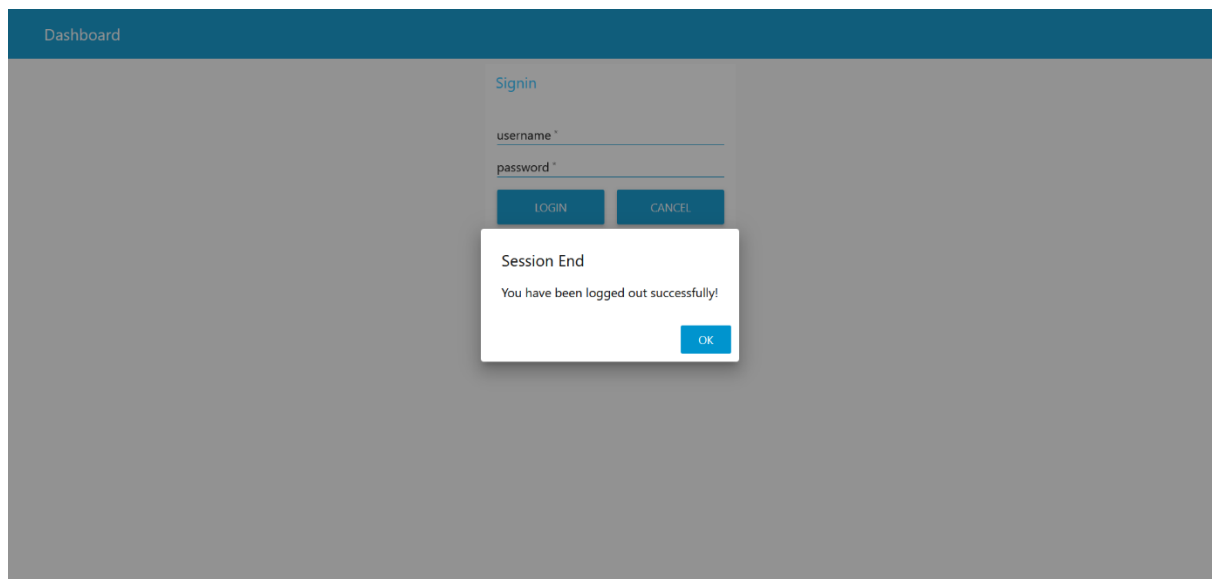
- MEDICINE DATABASE

_id	date	name	time
2022-11-13 17:05	2022-11-13	PARACETAMOL	17:05
2022-11-13 17:24	2022-11-13	Amoxylin	17:24
2022-11-13 17:30	2022-11-13	Amoxylin	17:30
2022-11-13 17:32	2022-11-13	Paracetamol	17:32
2022-11-13 17:40	2022-11-13	Dolo 360	17:40
2022-11-13 18:55	2022-11-13	Amoxylin	18:55

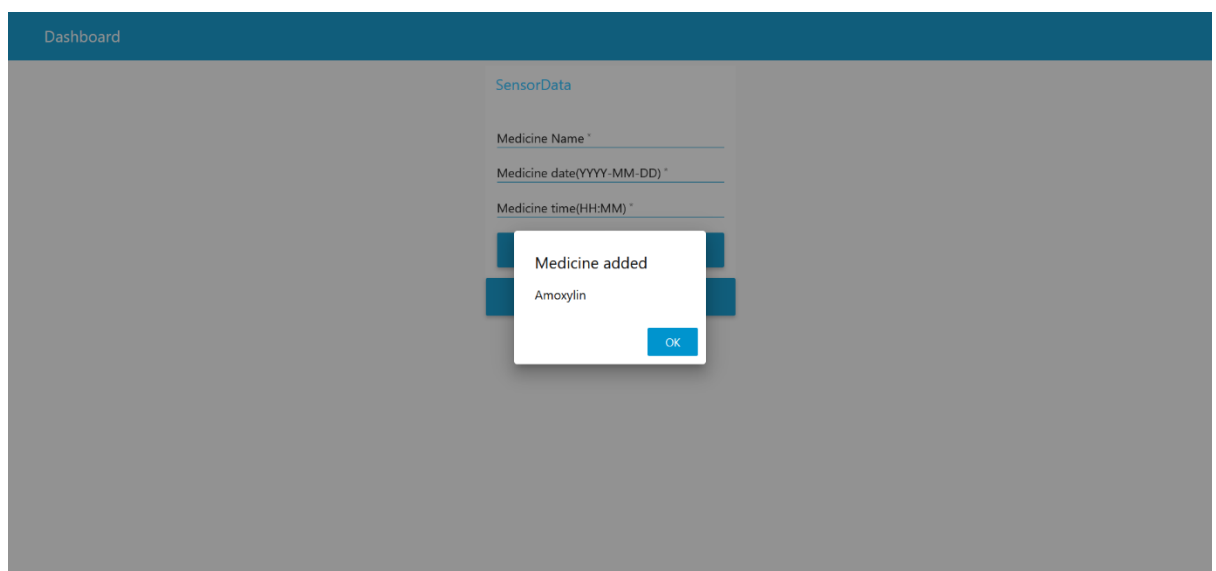
#### 4. FUNCTIONALITIES

Many Features like login, logout, register and session management is done. The application logs out the user automatically when the session time crosses one hour. The dashboard is made user friendly and also gives the required information to the user.

- LOGOUT DIALOG



- MEDICINE ADDED DIALOG



- NOTIFIED WHEN TIME ARRIVES TO TAKE THE MEDICINE

13/11/2022, 6:53:39 pm	602216d5e5a94a9a
msg.payload : Object	
▶ { name: "Amoxylin", date: "2022-11-13", time: "18:55" }	
13/11/2022, 6:53:40 pm	602216d5e5a94a9a
msg.payload : Object	
▶ { _id: "2022-11-13 18:55", name: "Amoxylin", date: "2022-11-13", time: "18:55" }	
13/11/2022, 6:54:07 pm	6693c0c252a14050
msg : string[18]	
"couch returned 404"	
13/11/2022, 6:55:07 pm	bd036e97fc3b1a8f
msg.payload : Object	
▶ { command: "Amoxylin" }	
13/11/2022, 6:55:08 pm	bd036e97fc3b1a8f
msg.payload : string[25]	
"Its time to take Amoxylin"	

A voice message is played speaking out the command i.e. "Its time to take {{medicine\_name}}" when the time arrives.

This also sends a command to the IBM IoT Watson platform which would be used further to issue command to the IoT device. IBM IoT Watson platform also gets the data when a user logs in into the application.

Event	Value	Format	Last Received
command	{"command": "PARACETAMOL"}	json	26 minutes ago
login	{"username": "swathi"}	json	28 minutes ago