

# PROJECT DEVELOPMENT PHASE-SPRINT 2

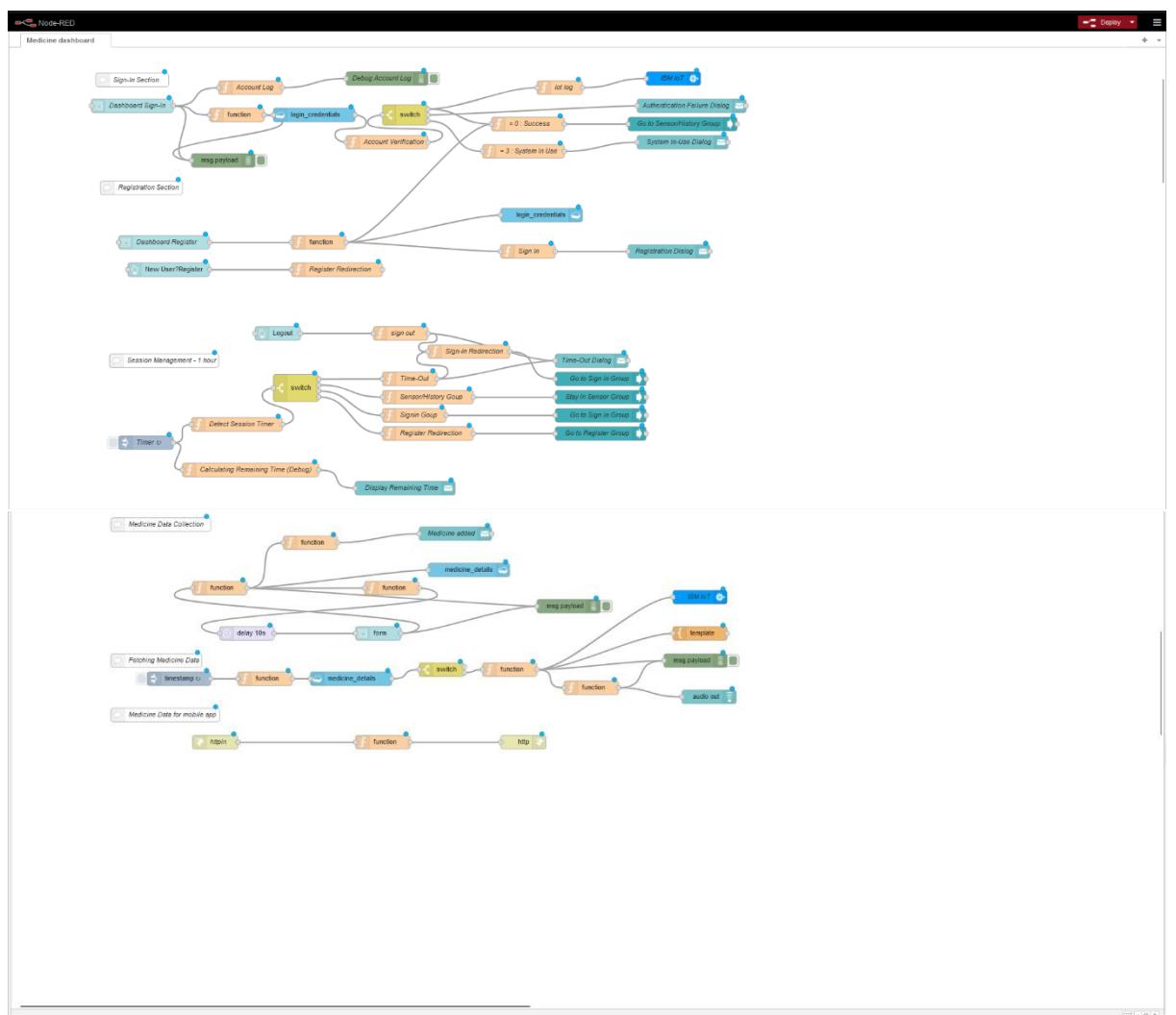
Date	19 <sup>th</sup> November 2022
Team ID	PNT2022TMID47535
Project Name	Personal assistance for Seniors who are self-reliant
Delivery	Sprint-2

## 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

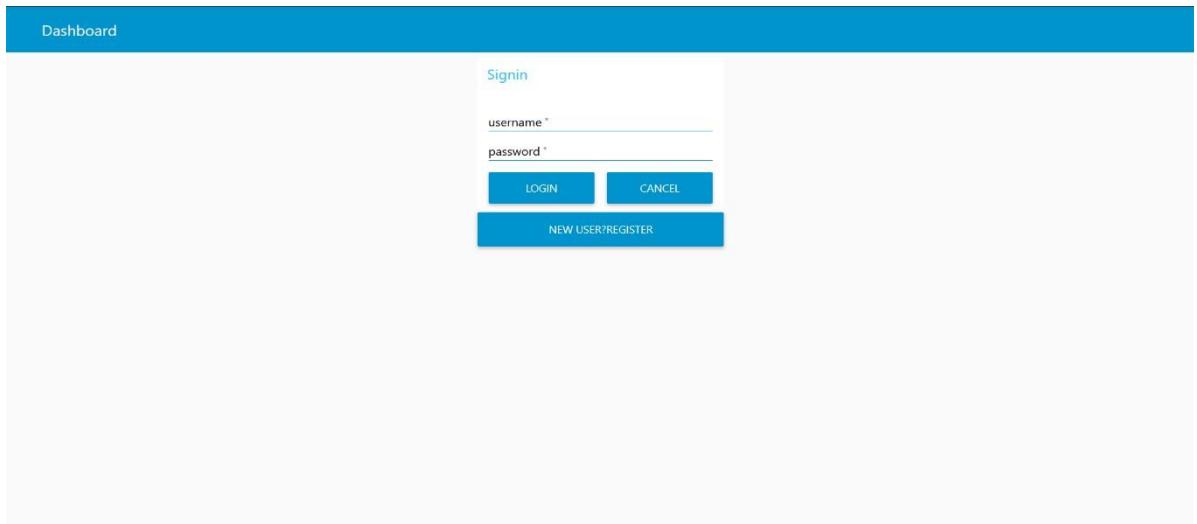
The Node red flow contains nodes for login, register, entering medicine details and also session management.



## 2. WEB DASHBOARD

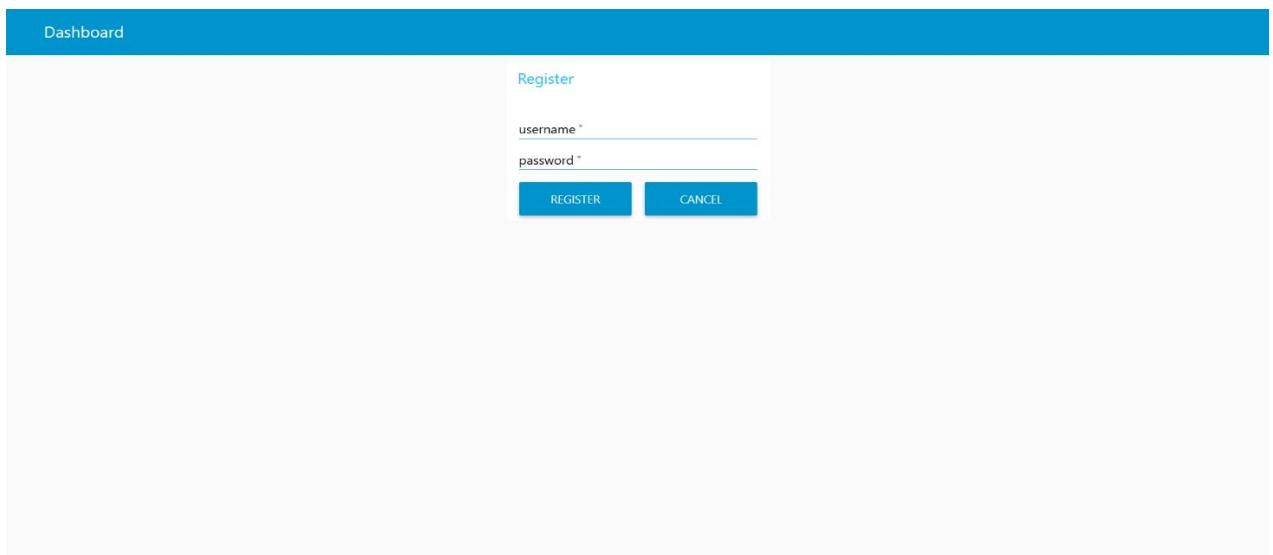
The user can login or register using the username and password to add the medicine details. After logging in or registering the user can enter the medicine name, date and time when it has to be consumed.

- LOGIN PAGE



A screenshot of a web browser showing the login page. The header bar is blue with the word "Dashboard". Below it, the main content area has a light gray background. At the top left, there is a "Signin" link. Below it are two input fields: "username" and "password", both with an asterisk indicating they are required. To the right of these fields are two blue buttons: "LOGIN" and "CANCEL". At the bottom of the form is a blue button labeled "NEW USER?REGISTER".

- REGISTRATION PAGE



A screenshot of a web browser showing the registration page. The header bar is blue with the word "Dashboard". Below it, the main content area has a light gray background. At the top left, there is a "Register" link. Below it are two input fields: "username" and "password", both with an asterisk indicating they are required. To the right of these fields are two blue buttons: "REGISTER" and "CANCEL".

- MEDICINE DETAILS

Dashboard

SensorData

Medicine Name \*

Medicine date \*  Please fill out this field.

Medicine time(HH:MM) \*

### 3. CLOUDANT DATABASE

- LOGIN DATABASE

Chatw | IBM-P | IBM-P | Service | Getting | Text to | GitHub | Getting | Watson | IBM W | IBM W | Cloud | Overview | YouTube (5258) | Google screen | +

1f224923-4e6c-42de-9cfe-e22ae698f029-bluemix.cloudant.com/dashboard.html

Databases

Your Databases

Name	Size	# of Docs	Partitioned	Actions
sample	16 bytes	1	No	

Log Out

Showing 1–1 of 1 databases. Databases per page **20**

- MEDICINE DATABASE

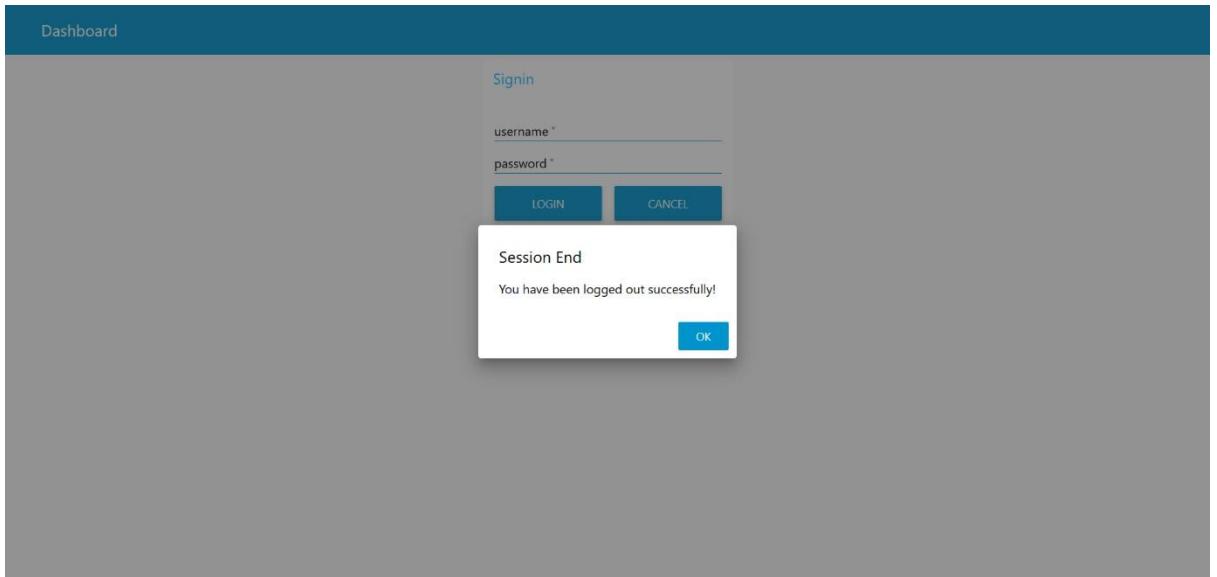
The screenshot shows a database management interface for a collection named "medicine\_details". The left sidebar includes options for "All Documents", "Query", "Permissions", "Changes", and "Design Documents". The main area displays a table with columns: \_id, date, name, and time. The data shows six documents added on 2022-11-13 at various times, with names like PARACETAMOL, Amoxilin, and Paracetamol.

_id	date	name	time
2022-11-13 17:05	2022-11-13	PARACETAMOL	17:05
2022-11-13 17:24	2022-11-13	Amoxilin	17:24
2022-11-13 17:30	2022-11-13	Amoxilin	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	Amoxilin	18:55

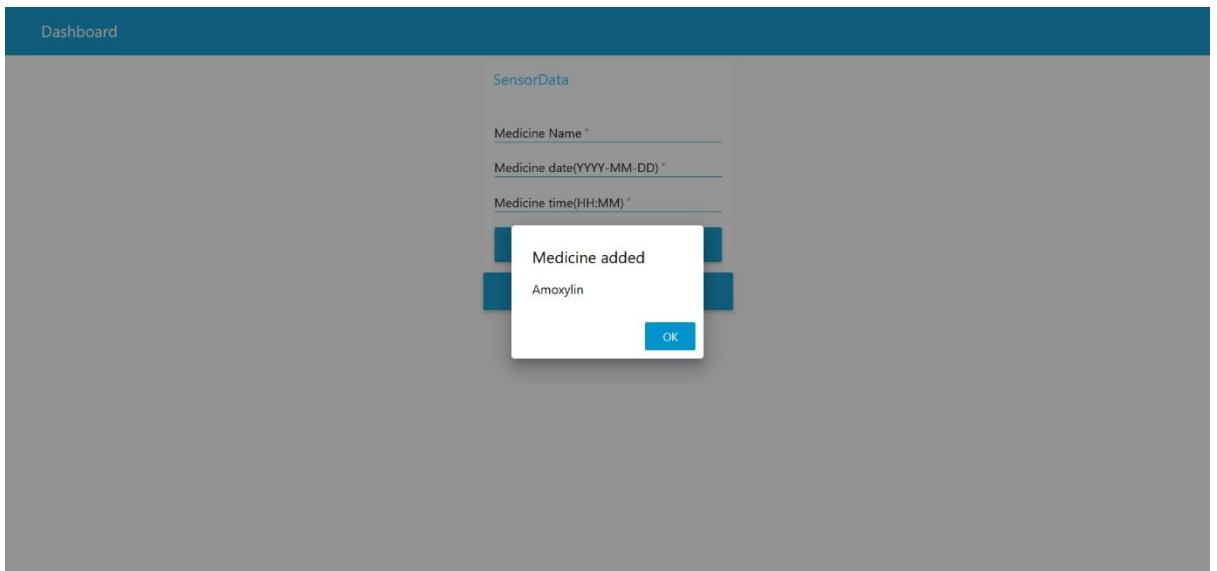
#### 4. FUNCTIONALITIES

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.