

PROJECT DEVELOPMENT PHASE-SPRINT 2

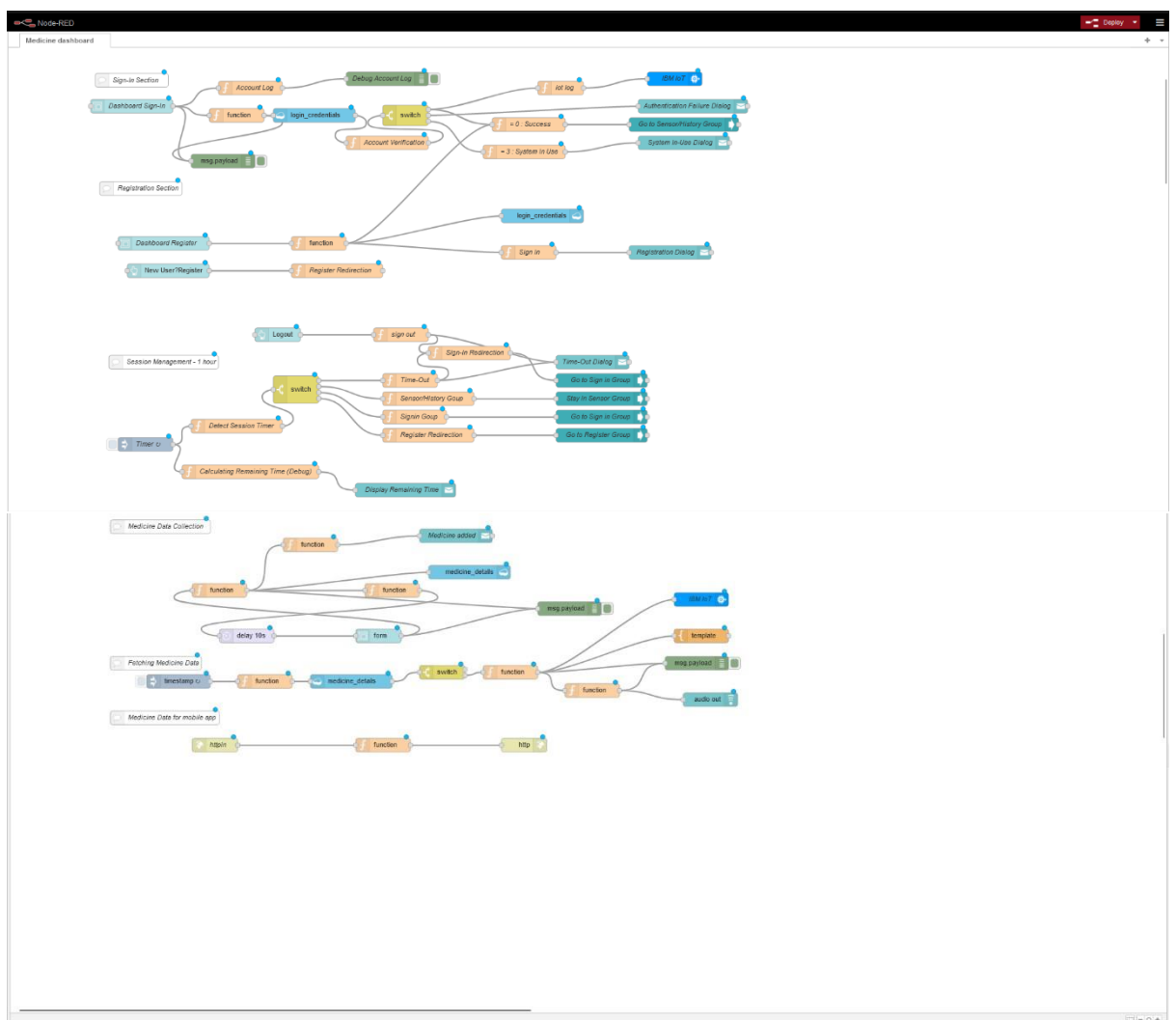
Date	19 th November 2022
Team ID	PNT2022TMID47535
Project Name	Personal assistance for Seniors who are self-reliant
Delivery	Sprint-2

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

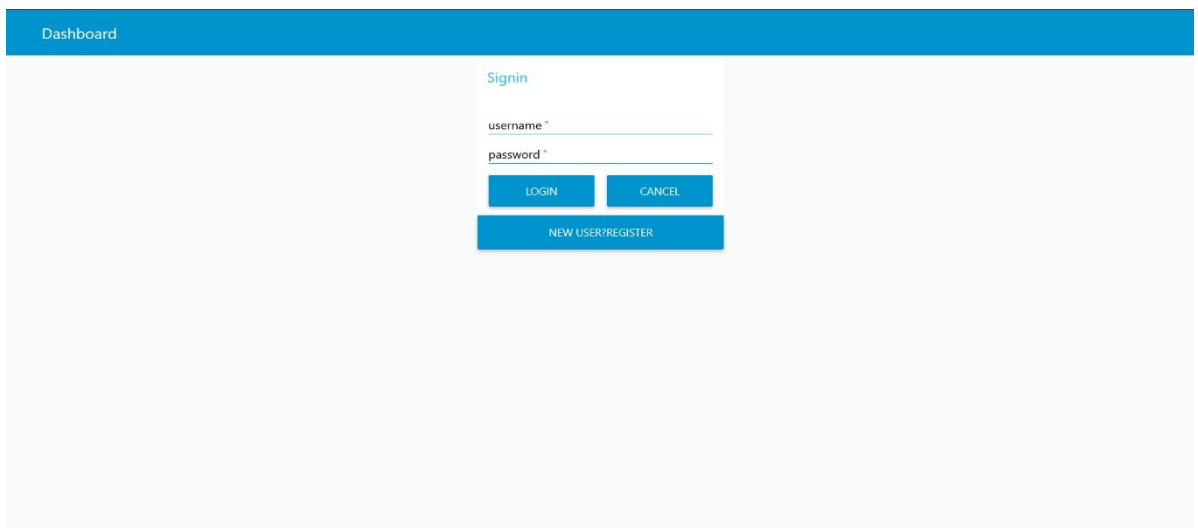
The Node red flow contains nodes for login, register, entering medicine details and also session management.



2. WEB DASHBOARD

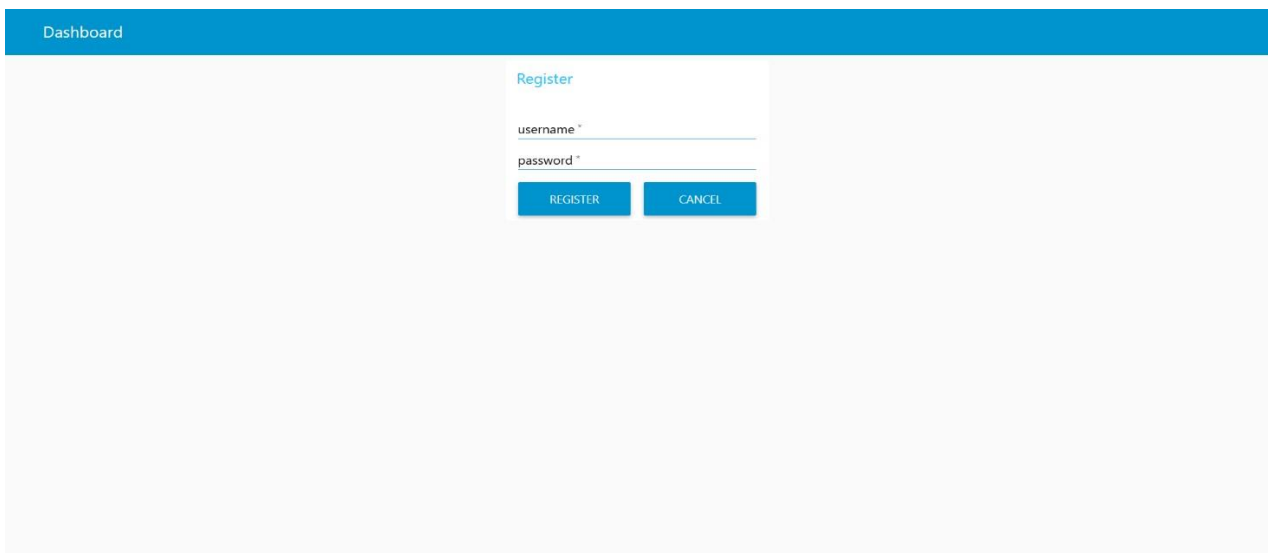
The user can login or register using the username and password to add the medicine details. After logging in or registering the user can enter the medicine name, date and time when it has to be consumed.

- LOGIN PAGE



The screenshot shows a web dashboard with a blue header bar labeled "Dashboard". In the center, there is a white box titled "Signin". Inside this box, there are two input fields: "username *" and "password *". Below these fields are two buttons: "LOGIN" and "CANCEL". At the bottom of the white box is a button labeled "NEW USER?REGISTER".

- REGISTRATION PAGE



The screenshot shows a web dashboard with a blue header bar labeled "Dashboard". In the center, there is a white box titled "Register". Inside this box, there are two input fields: "username *" and "password *". Below these fields are two buttons: "REGISTER" and "CANCEL".

- MEDICINE DETAILS

Dashboard

SensorData

Medicine Name *

Medicine date(YYYY-MM-DD) *

Please fill out this field.

Medicine time(HHMM) *

ADDRESET

LOGOUT

3. CLOUDANT DATABASE

- LOGIN DATABASE

Chat w/ IBM-Pi IBM-Pi Service Clo x Gettin... Text to GitHub Gettin... Watson IBM W IBM W Clouds Overv (5258) screen +

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

Databases

Database name

Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
sample	16 bytes	1	No	<div></div>

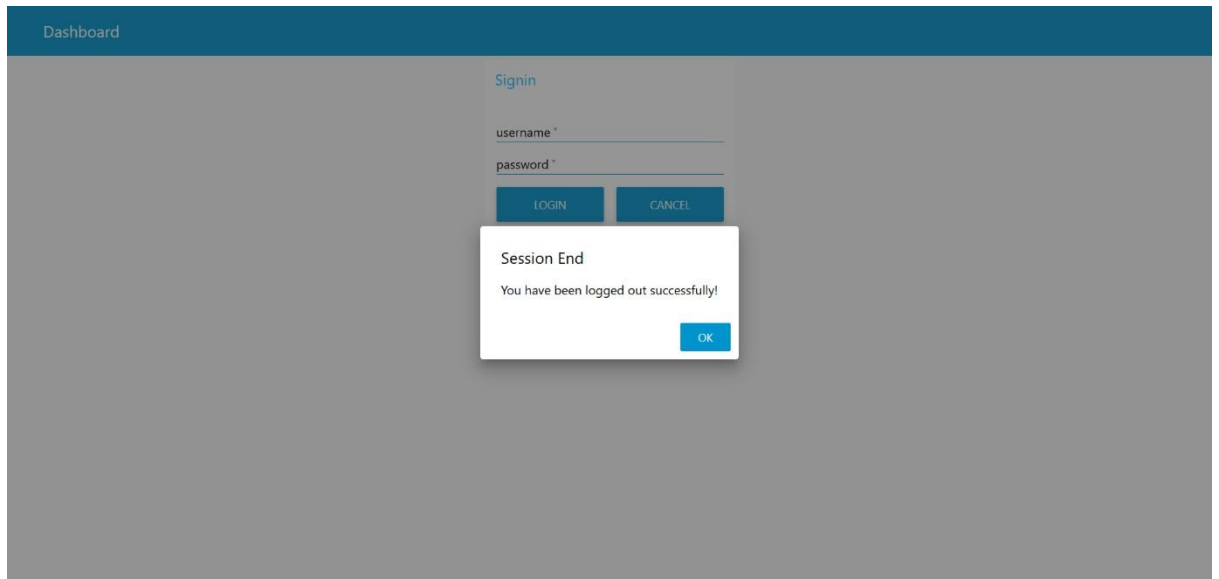
Showing 1–1 of 1 databases. Databases per page 20 1

- MEDICINE DATABASE

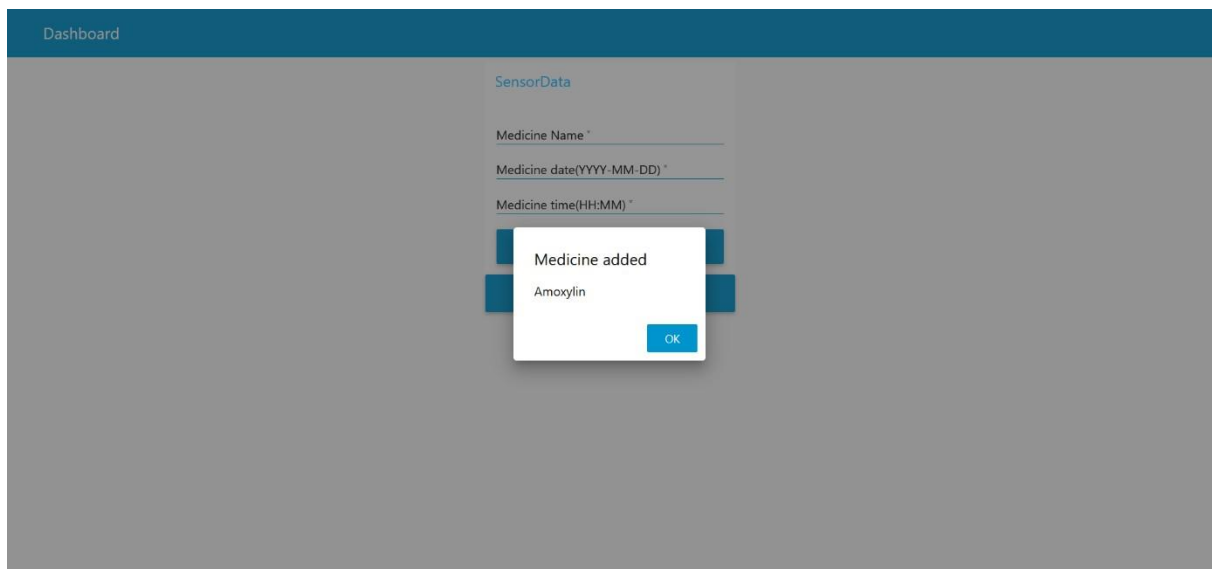
4. FUNCTIONALITIES

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.