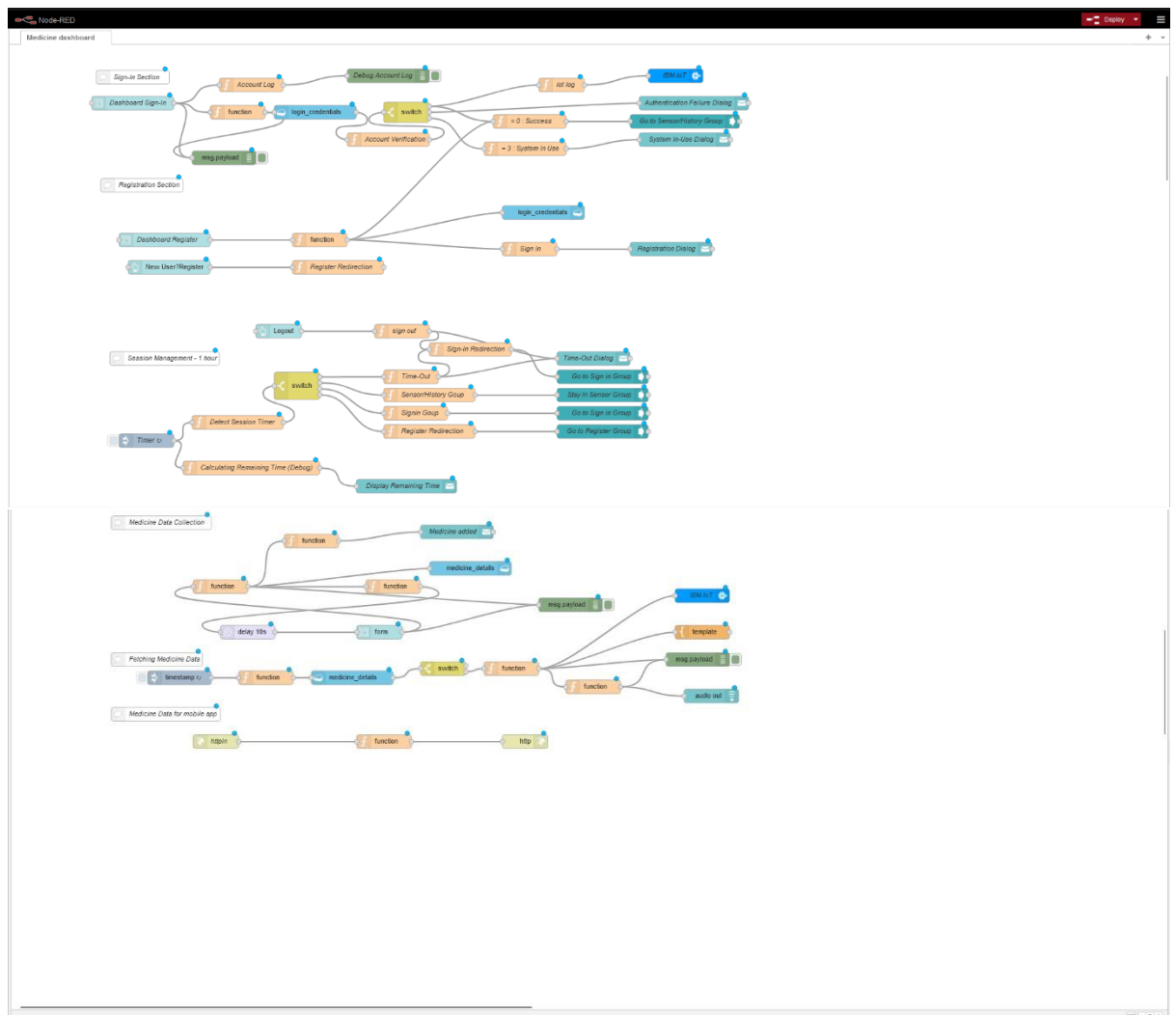


PROJECT DEVELOPMENT PHASE-SPRINT 2

| | |
|--------------|--|
| Team ID | PNT2022TMID00130 |
| Project Name | Personal assistance for Seniors who are self-reliant |

1. NODE RED FLOW

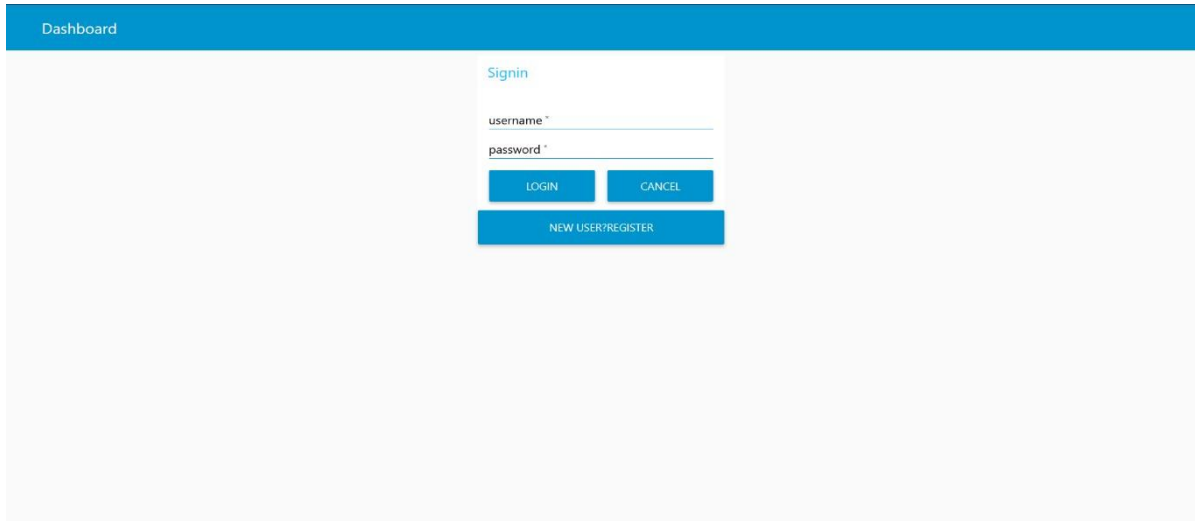
The Node red flow contains nodes for login, register, entering medicine details and also session management.



2. WEB DASHBOARD

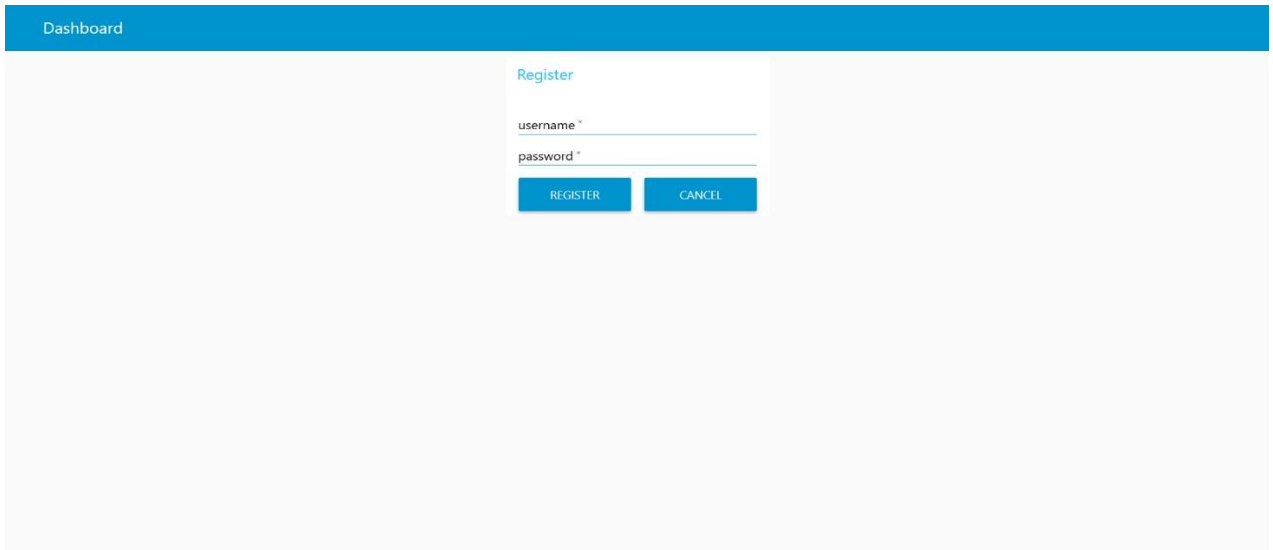
The user can login or register using the username and password to add the medicine details. After logging in or registering the user can enter the medicine name, date and time when it has to be consumed.

- LOGIN PAGE



The screenshot shows a web application interface with a blue header bar labeled "Dashboard". The main content area is light gray. 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 blue buttons: "LOGIN" and "CANCEL". At the bottom of the white box is a blue button labeled "NEW USER?REGISTER".

- REGISTRATION PAGE



The screenshot shows a web application interface with a blue header bar labeled "Dashboard". The main content area is light gray. 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 blue buttons: "REGISTER" and "CANCEL".

- MEDICINE DETAILS

Dashboard

SensorData

Medicine Name *

Medicine date Please fill out this field

Medicine time(HH:MM) *

ADD

RESET

LOGOUT

3. CLOUDANT DATABASE

- LOGIN DATABASE

login_credentials

Document ID

Options

{ } JSON

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

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"/> | swathi28 Swathi | swathi28 | Swathi |

Showing 3 of 4 columns. ☐ Show all columns.

Showing document 1 - 6. Documents per page: 100

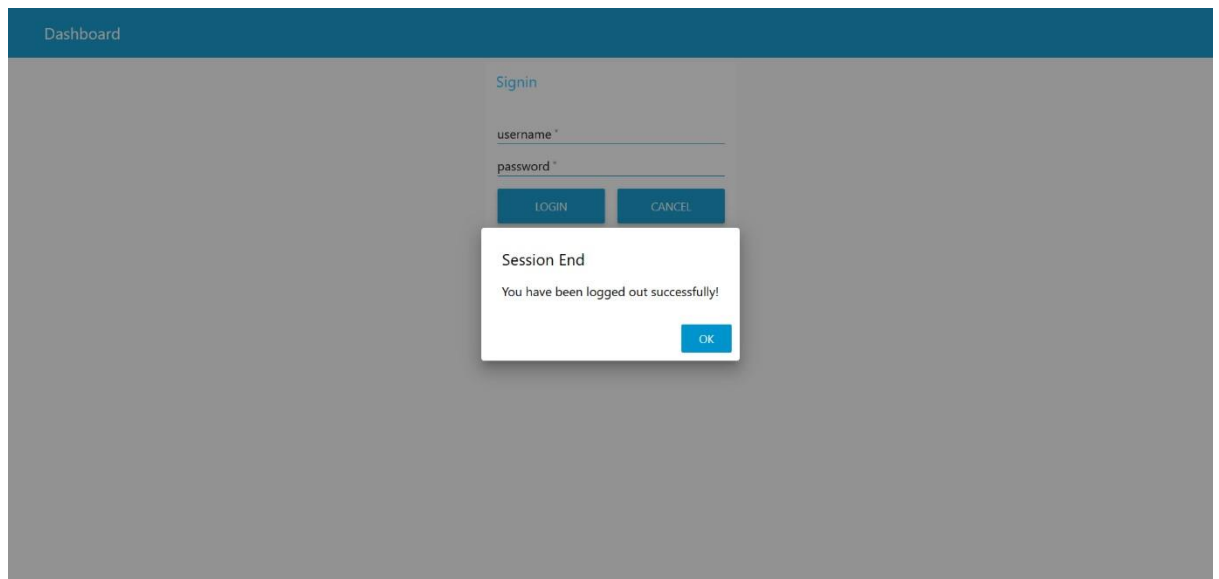
- MEDICINE DATABASE

| _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 |

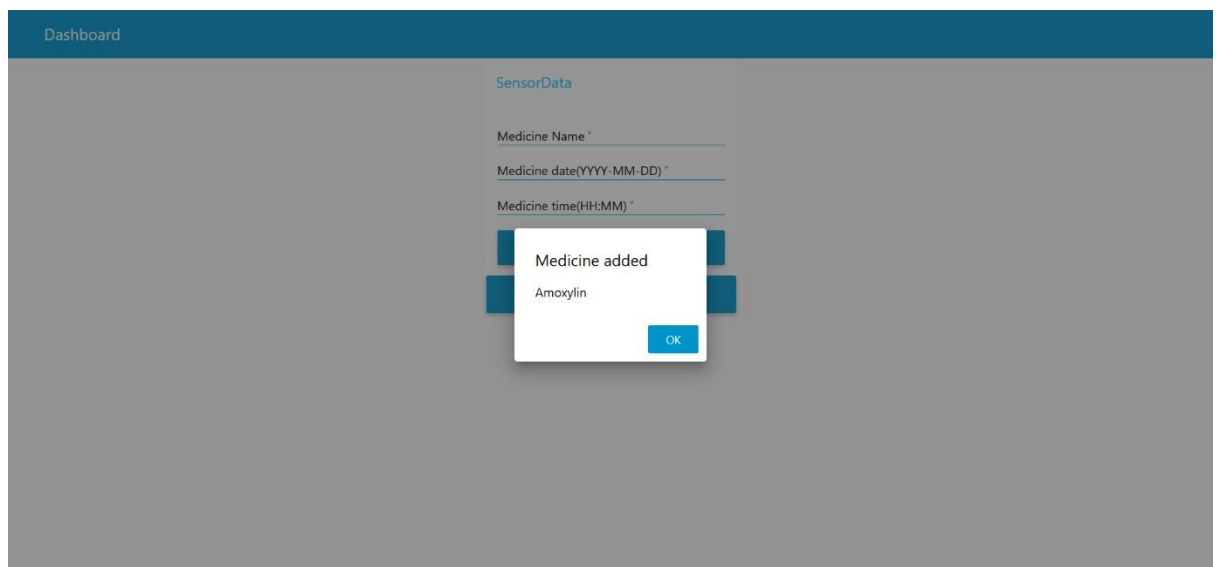
4. FUNCTIONALITIES

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"

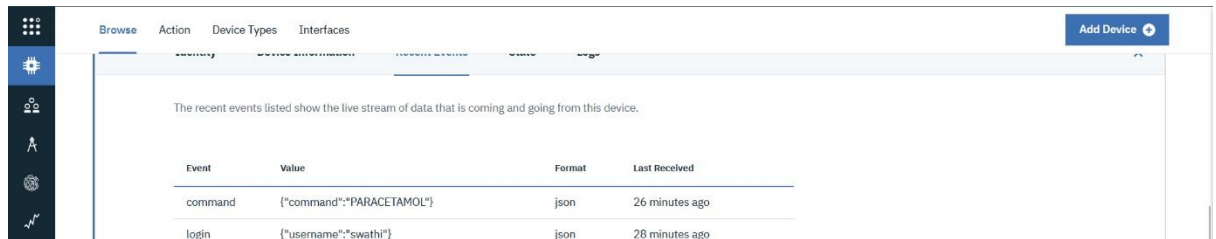
13/11/2022, 6:55:07 pm bd036e97fc3b1a8f
msg.payload : Object
  ▶ { command: "Amoxylin" }

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.



The screenshot shows the IBM IoT Watson dashboard. On the left is a sidebar with icons for home, devices, actions, and interfaces. The main area has tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A blue 'Add Device' button is in the top right. Below the tabs, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this is a table with the following data:

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