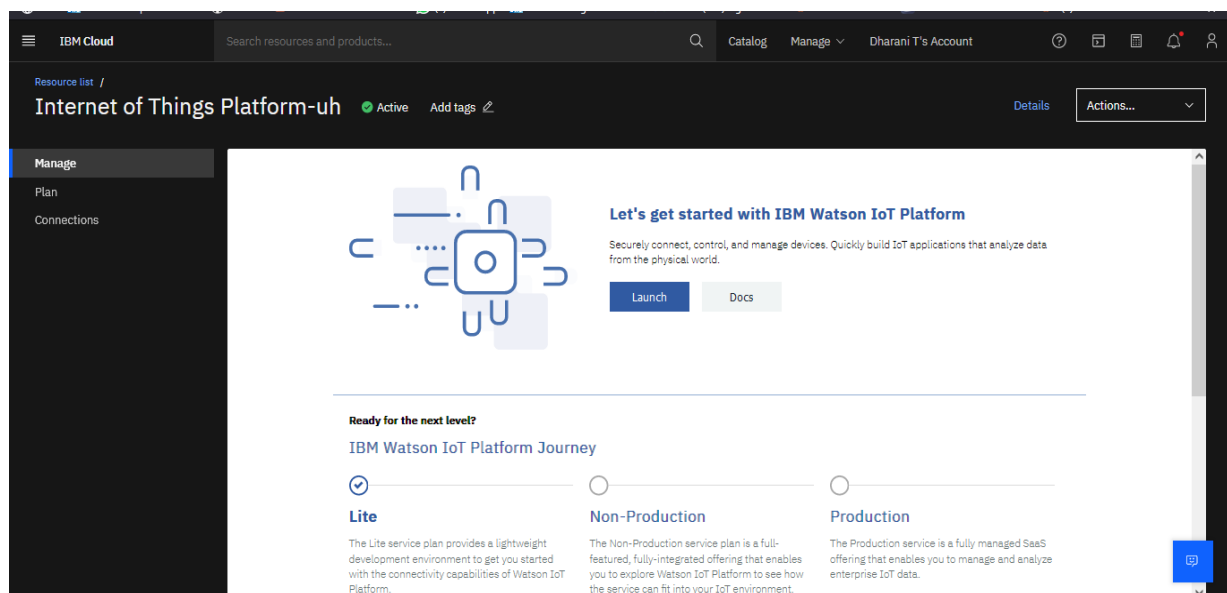


Date	1 November 2022
Team ID	PNT2022TMID49311
Project Name	Personal Assistance for Seniors Who Are Self- Reliant.

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

WATSON IOT PLATFORM :



The screenshot shows the IBM Watson IoT Platform interface. At the top, there's a header with the platform name and user information. Below the header, there's a navigation bar with tabs: Browse, Action, Device Types, and Interfaces. A search bar is present with the text "Search by Device ID". On the right, there's a "Device Simulator" toggle and a filter icon. The main content area displays a table of devices. The first device has ID 12345, status "Disconnected", type "new", class ID "Device", and was added on "Nov 17, 2022 4:08 PM". Below the table, there's a detailed view for the selected device, showing fields like Device ID, Device Type, Date Added, Added By, and Connection Status. At the bottom, there's a status bar indicating "1 Simulation running".

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	new	Device	Nov 17, 2022 4:08 PM

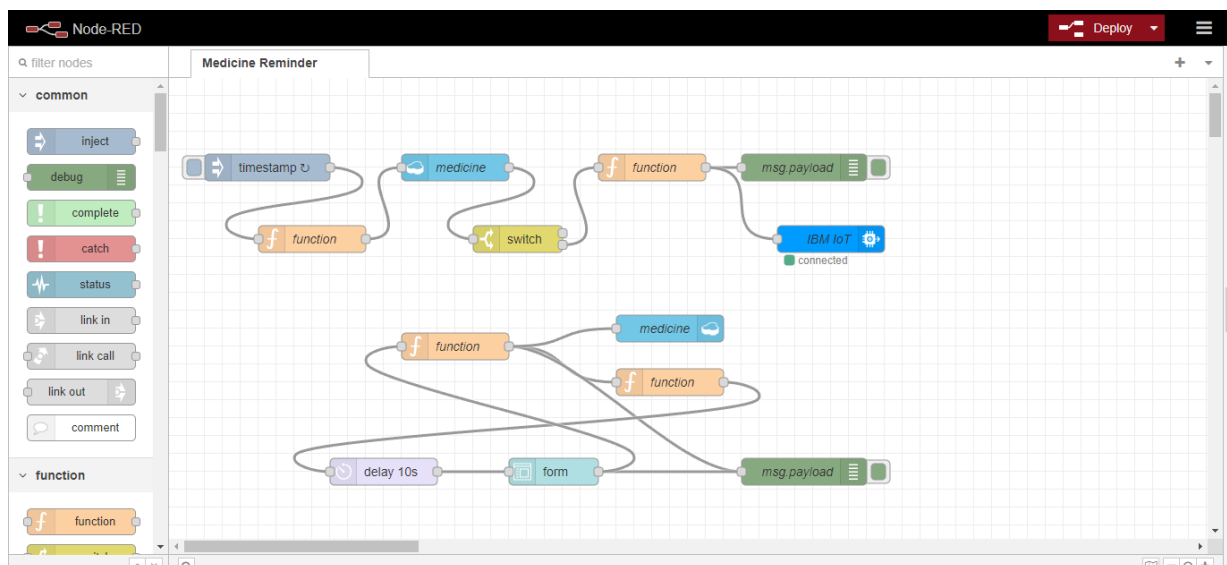
Identity | Device Information | Recent Events | State | Logs

Device ID: 12345
 Device Type: new
 Date Added: Nov 17, 2022 4:08 PM
 Added By: dharani923019106005@gmail.com
 Connection Status: Disconnected

Items per page: 50 | 1-1 of 1 item

1 Simulation running

NODE-RED DESIGN WITH FORM NODE:

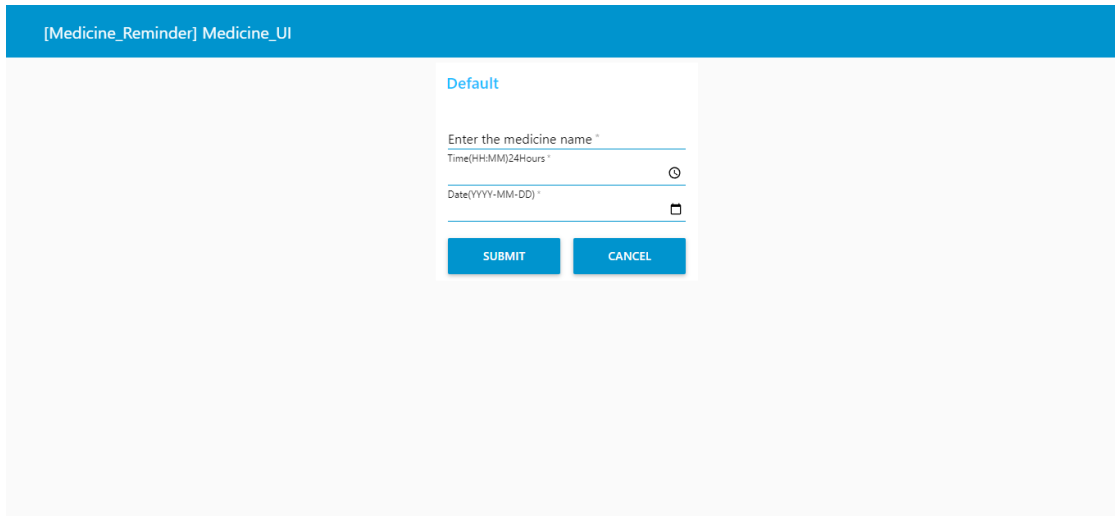


STEPS TO ADD INPUT FORM TO UI:

- 1) Configure the UI input form
- 2) Add a group with the name user
- 3) Add a tab with the name Home and press add
- 4) Press add
- 5) Give the UI from a name Insert a new User and add the input fields for medicine name, time and date
- 6) Add a function node and insert code and wire the nodes
- 7) Open in a new browser tab [https://\[your-host\]/ui/](https://[your-host]/ui/)
- 8) Insert required details and press submit

- 9) Now wire the function as input for the database as shown in about layout 10) Press Deploy.

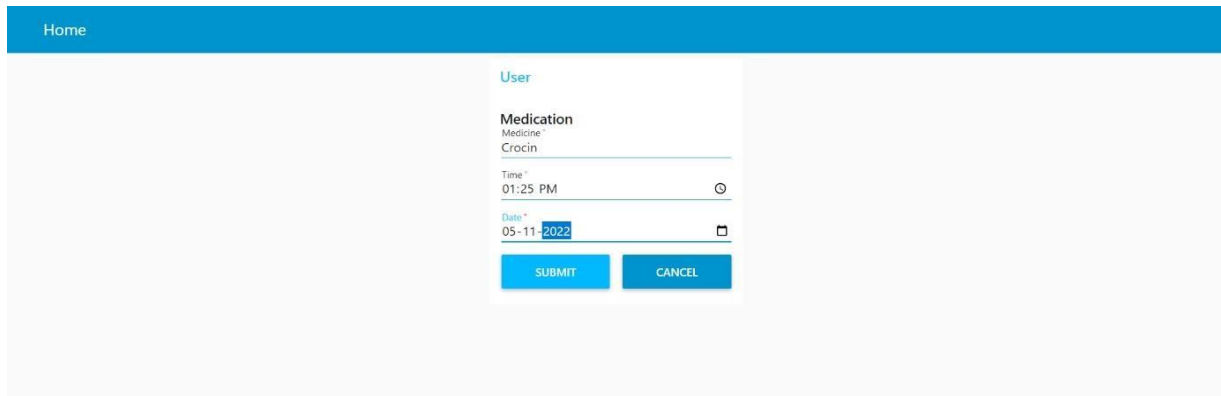
RUN AND CLICK URL:



WEB UI INTERFACE FOR USERS:

In the below image, depicts the web UI interface or web application for users to enter their medication details like name, date and time.

NOTE:



On clicking submit the details will be saved in the Cloudant database and will be accessed by function nodes used in the node red design.

Upon comparison with time specified in function node the apt medicine name in the text format is passed on to the Text-To-Speech service (Implementation is available in sprint 1).

DEBUG IN NODE-RED COMMAN

```
Nov 13:34:35 - [info] Stopped flows
Nov 13:34:35 - [info] Updated flows
Nov 13:34:35 - [info] Starting flows
Nov 13:34:35 - [info] Started flows
Nov 13:35:14 - [info] [debug:msg,payload]
Medicine: "Crocin",
Time: "1970-01-01T08:10:00-00:00",
Date: "2022-11-04T18:30:00-00:02"

Nov 13:35:14 - [info] [debug:msg,payload]
_id: [undefined, name: undefined]
Nov 13:41:44 - [info] Stopping flows
Nov 13:41:44 - [info] Stopped flows
Nov 13:41:44 - [info] Updated flows
Nov 13:41:44 - [info] Starting flows
Nov 13:41:44 - [info] Started flows
Nov 13:42:40 - [info] [debug:msg,payload]
Medicine: "Crocin",
Time: "1970-01-01T08:10:00-00:00",
Date: "2022-11-04T18:30:00-00:02"

Nov 13:42:40 - [info] [debug:msg,payload]
_id: [undefined, name: undefined]
Nov 13:43:26 - [info] Stopping flows
Nov 13:43:26 - [info] Stopped flows
Nov 13:43:26 - [info] Updated flows
Nov 13:43:26 - [info] Starting flows
Nov 13:43:26 - [info] Started flows
Nov 13:43:55 - [info] [debug:msg,payload]
Medicine: "s'sj",
Time: "1970-01-01T06:53:00-00:02",
Date: "2022-02-11T18:30:00-00:02"

Nov 13:43:55 - [info] [debug:msg,payload]
_id: [undefined, name: undefined]
Nov 13:46:16 - [info] Stopping flows
Nov 13:46:16 - [info] Stopped flows
Nov 13:46:16 - [info] Updated flows
Nov 13:46:16 - [info] Starting flows
Nov 13:46:16 - [info] Started flows
Nov 13:46:52 - [info] [debug:msg,payload]
Medicine: "Crocin",
Time: "1970-01-01T08:10:00-00:00",
Date: "2023-11-04T18:30:00-00:02"
```

CLLOUDANT DATA BASE :

- MEDICINE DATA BASE

< medicine_details
Document ID ▾
Options ⚙️
{ } JSON

- All Documents +
- Query
- Permissions
- Changes
- Design Documents +

☐
Table
Metadata
{ } JSON

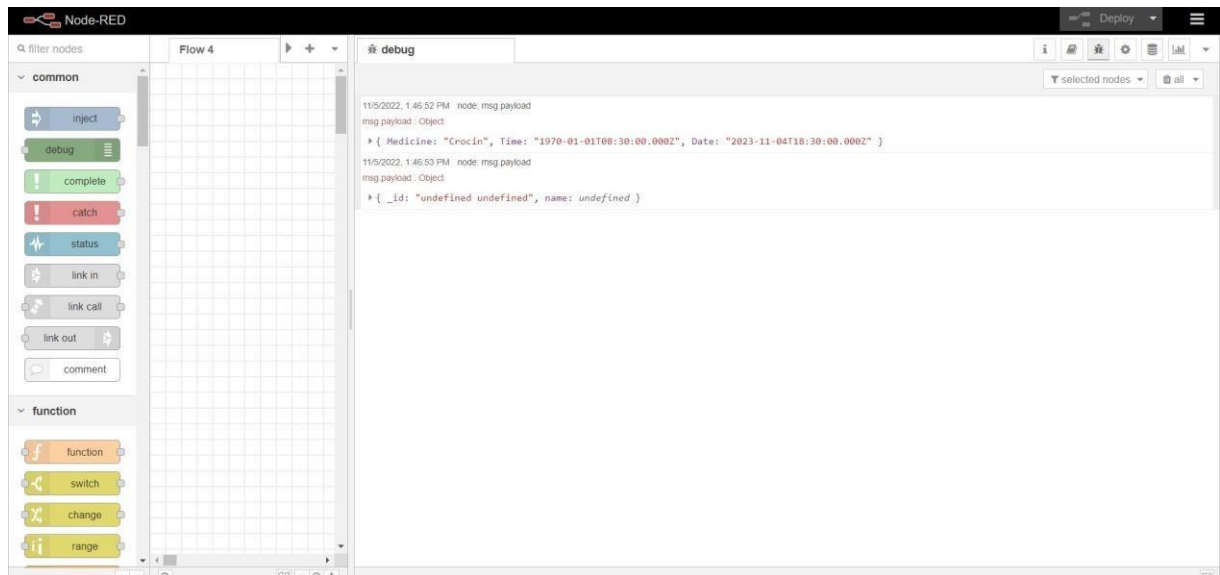
Create Document

	_id ▾	date ▾	name ▾	time ▾
<input type="checkbox"/>	2022-11-13 17:05	2022-11-13	PARACETAMOL	17:05
<input type="checkbox"/>	2022-11-13 17:24	2022-11-13	Amoxycilin	17:24
<input type="checkbox"/>	2022-11-13 17:30	2022-11-13	Amoxycilin	17:30
<input type="checkbox"/>	2022-11-13 17:32	2022-11-13	Paracetamol	17:32
<input type="checkbox"/>	2022-11-13 17:40	2022-11-13	Dolo 360	17:40
<input type="checkbox"/>	2022-11-13 18:55	2022-11-13	Amoxycilin	18:55

Showing 4 of 5 columns. ☐ Show all columns.
Showing document 1 - 6. Documents per page: 100 ▾

DEBUG IN NODE-RED PLATFORM:

NOTE:



The above image indicates that the details has been saved in the database and readily available for accessibility through the node-red service.