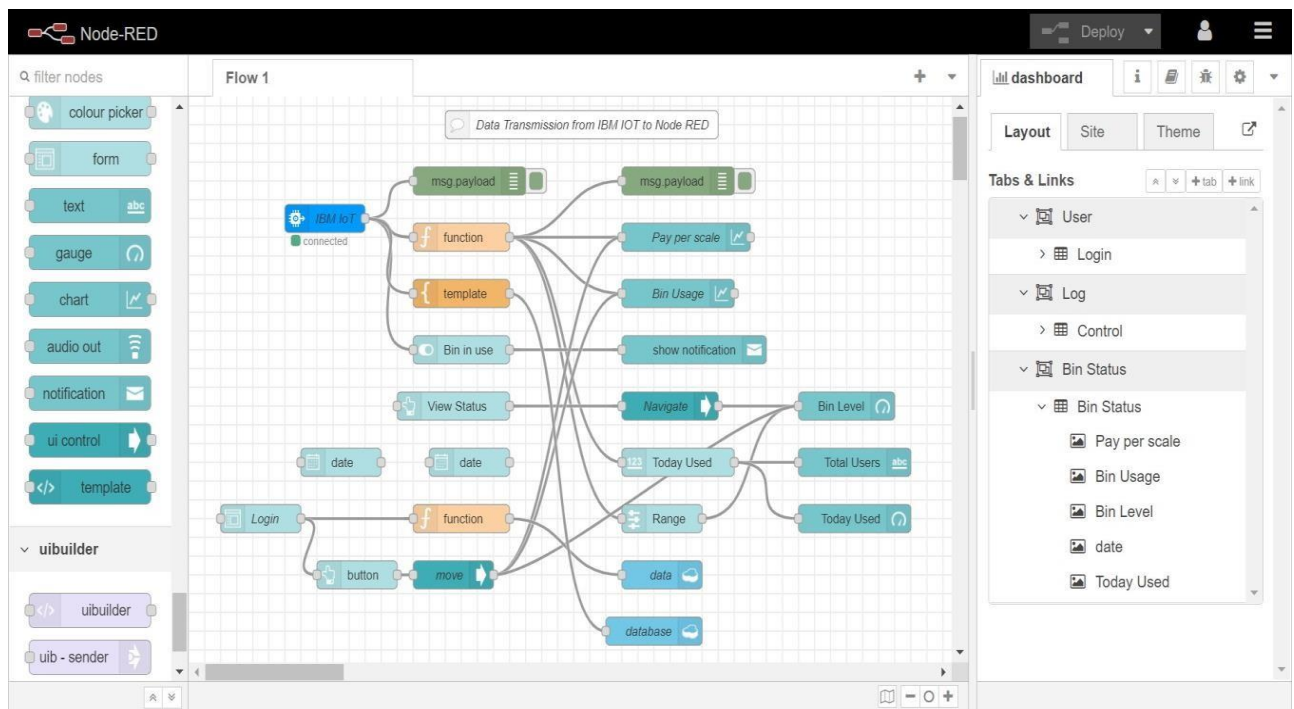


SPRINT 4

WEB UI DESIGN AND DEPLOY

Date	8 November 2022
Team ID	PNT2022TMID54350
Project Name	Smart Waste Management System for Metropolitan Cities

1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-RED dashboard.



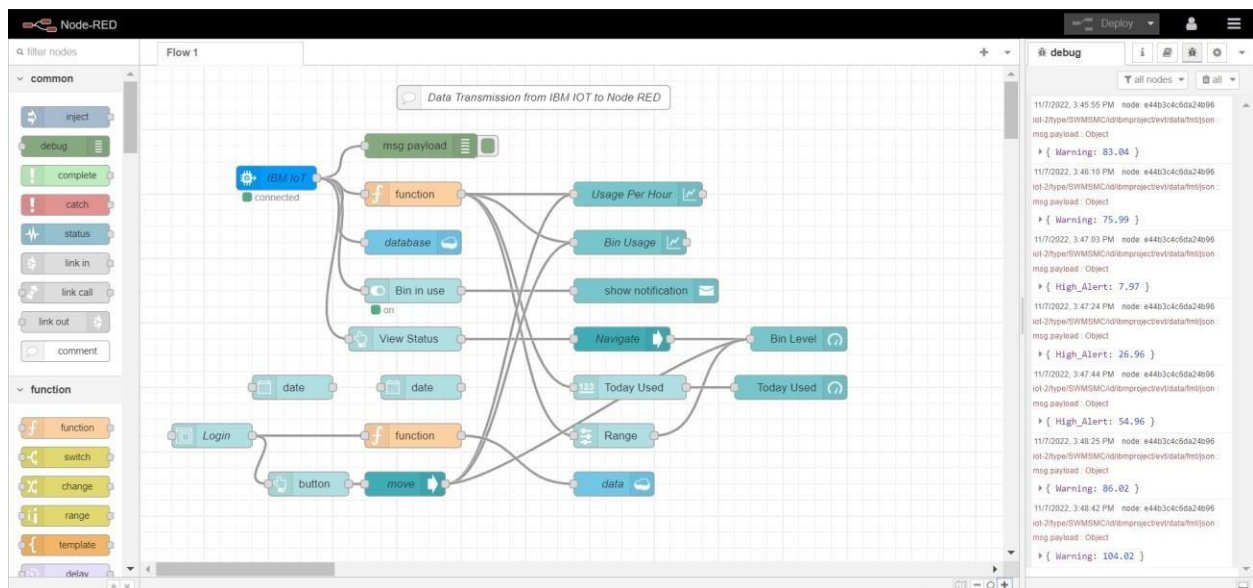
3. Data transfer to Watson IOT platform.

Browse Action Device Types Interfaces
Add Device +

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":11.03}	json	a minute ago

4. Data transfer from IBM Watson IOT platform and wokwi to Node red.



5 . Storing database in IBM cloudant DB.

The screenshot shows the IBM Cloudant Databases interface. At the top, there's a 'Databases' header with a 'Database name' dropdown, a 'Create Database' button, and icons for JSON, a book, and a bell. Below this is a section titled 'Your Databases' containing a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons for view, lock, delete]
noderedwjldy20221105	37.4 KB	4	No	[Icons for view, lock, delete]
sample	59.4 KB	351	No	[Icons for view, lock, delete]
sensor_data	15.7 KB	90	No	[Icons for view, lock, delete]

At the bottom, it says 'Showing 1-4 of 4 databases. Databases per page: 20' with navigation arrows.

The screenshot shows the IBM Cloudant interface for the 'sensor_data' database. The left sidebar has options: 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area has tabs for 'Table', 'Metadata', and 'JSON', with a 'Create Document' button. The 'Table' tab is active, showing a list of documents with columns 'id', 'key', and 'value'. The 'value' column contains JSON snippets. At the bottom, it says 'Showing document 1 - 20. Documents per page: 20' with navigation arrows.

6. Data is stored in JSON format

↔

sensor_data > 0198213c192cb2c244cc2433f1802b91

{}JSON

🔔

✔ Save Changes Cancel

📎 Upload Attachment

🔄 Clone Document

🗑 Delete

1-
2
3
4
5
6
7
8
9
10
11
12

```
{
  "_id": "0198213c192cb2c244cc2433f1802b91",
  "_rev": "1-cde2dd17c519394dfb774730c495f8b",
  "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
  "payload": {
    | "Warning!!": "244.971left"
  },
  "deviceId": "ibmproject",
  "deviceType": "SWMSMC",
  "eventType": "data",
  "format": "json"
}
```

📊

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📖

📄

Log Out

7. Web UI

☰ Log

📊 Log

📄 Bin Status

Control

Bin in use

Range

Today Used

date 06/11/2022

VIEW STATUS

Control

Bin in use



Range



Today Used

▼ 0 ▲

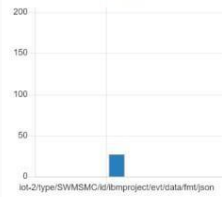
date

06/11/2022

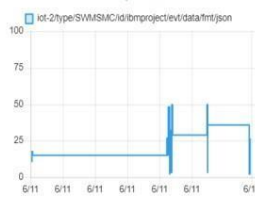
VIEW STATUS

Bin Status

Bin Level



Today Used



Bin Level



date 06/11/2022

Today Used

