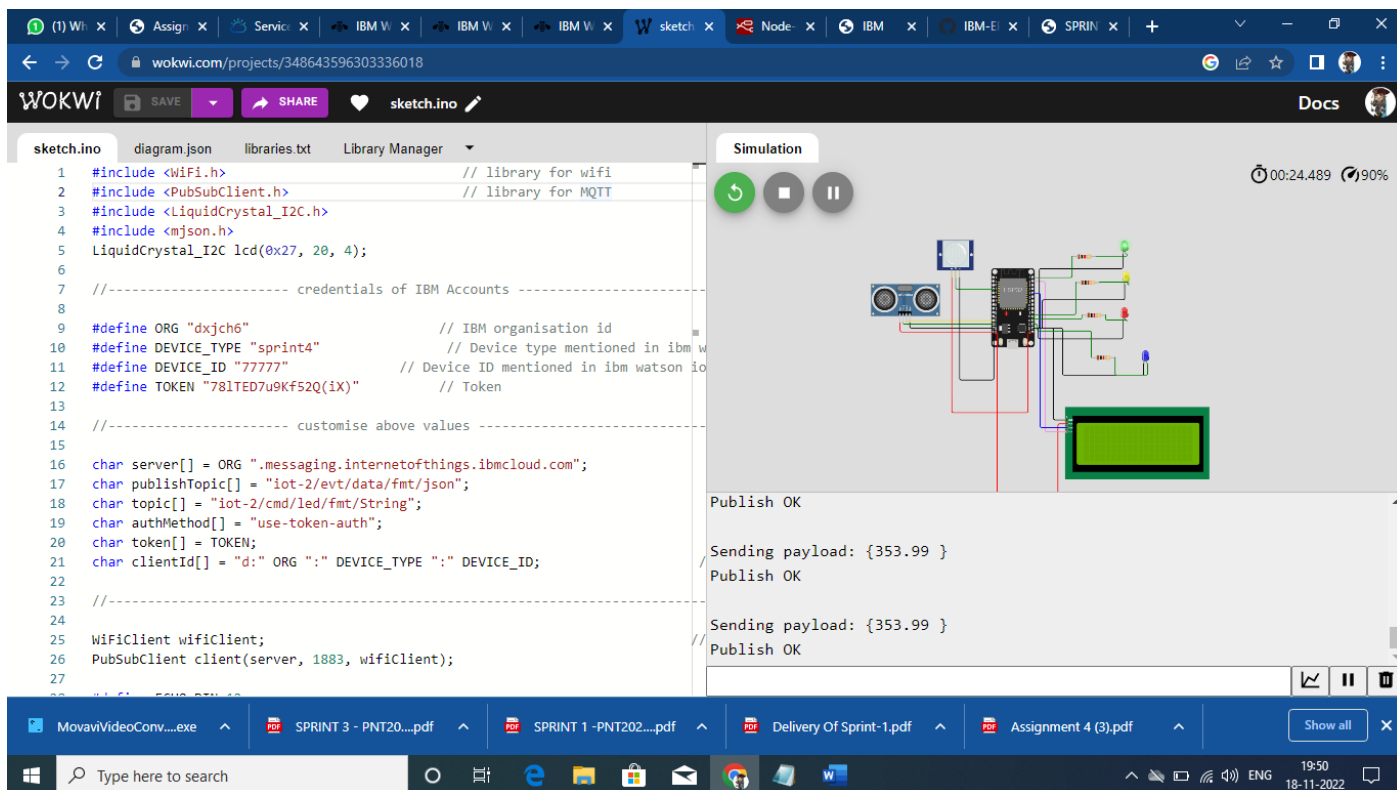


Delivery of Sprint – 4

Date	5 November 2022
Team ID	PNT2022TMID36751
Project Name	Smart Waste Management for Metropolitan Cities

1. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard

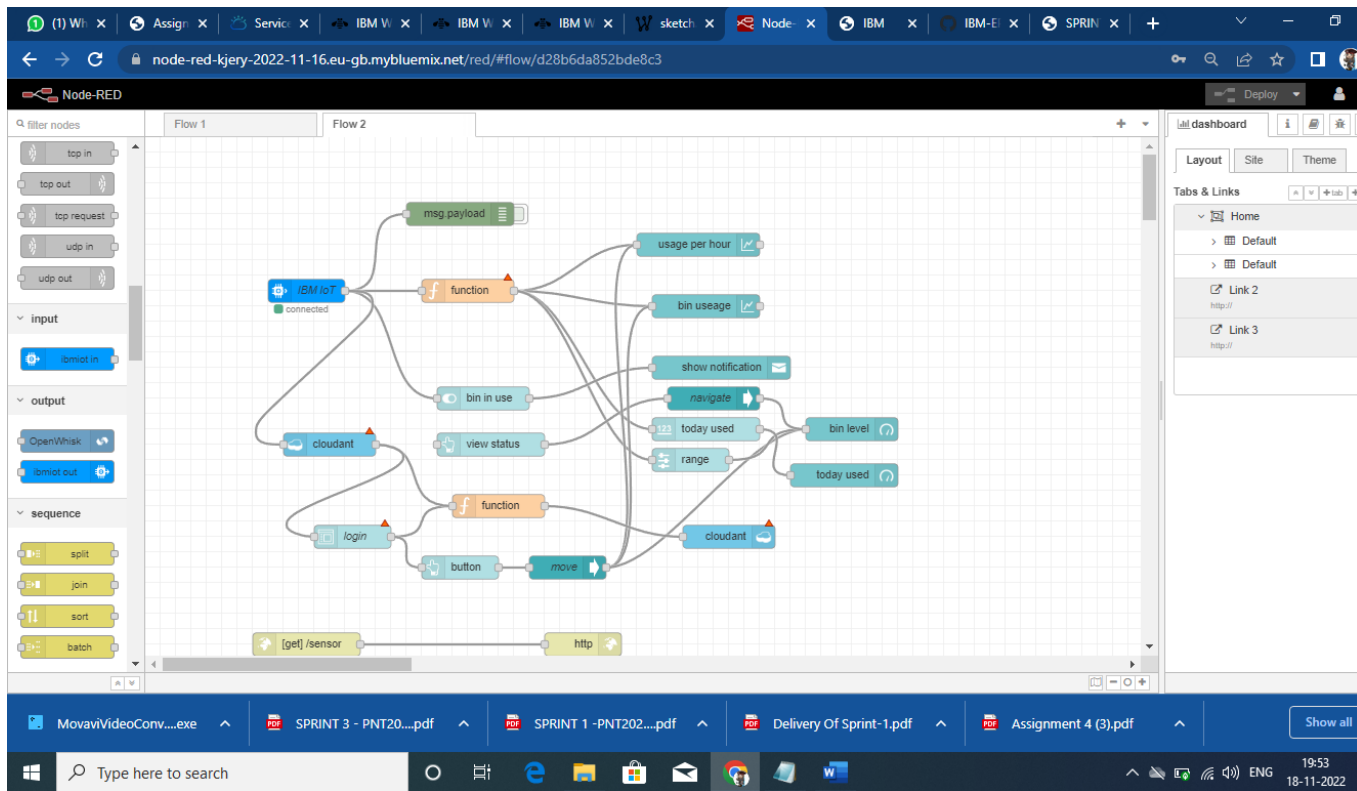
Link: <https://wokwi.com/projects/348643596303336018>



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

Wokwi link: <https://wokwi.com/projects/348643596303336018>

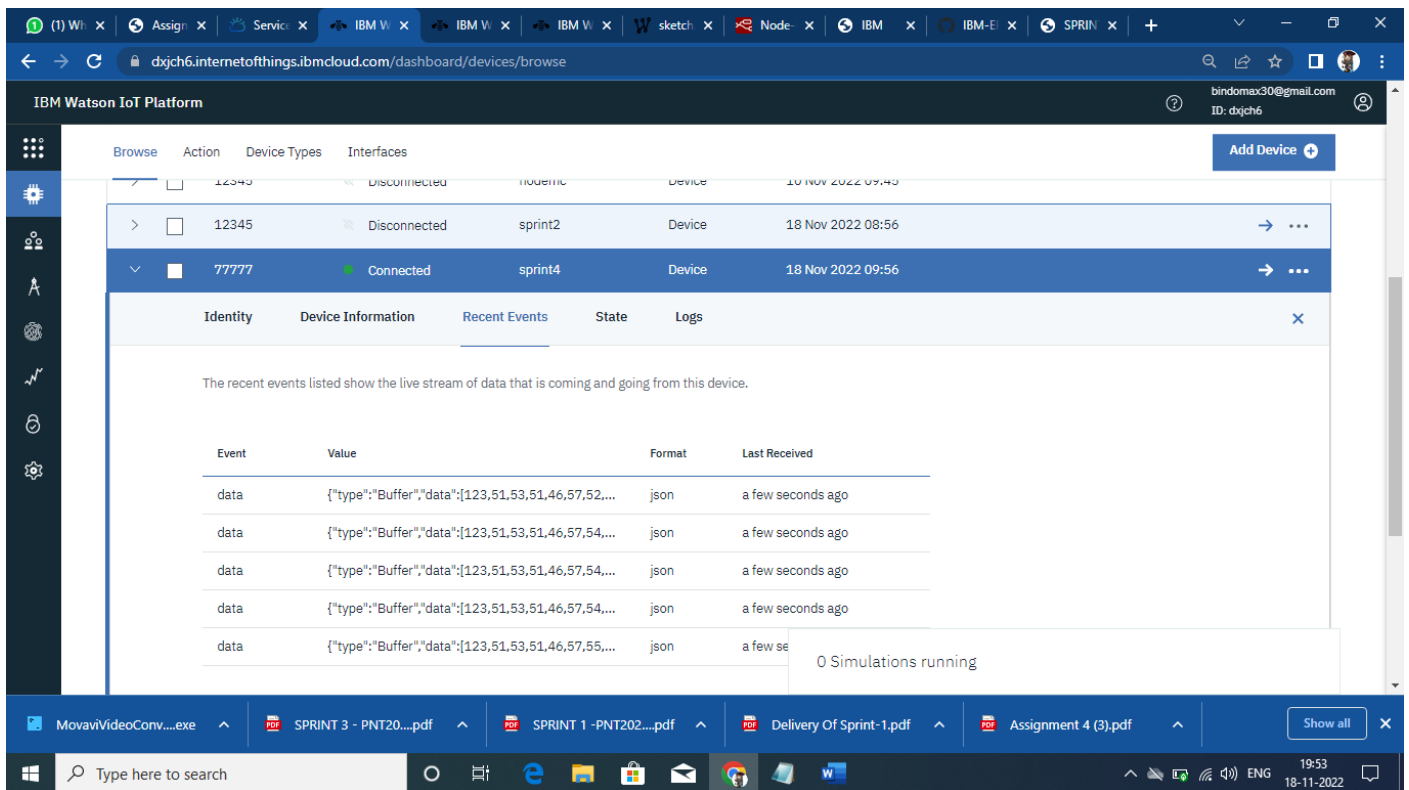
Ui: <https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui#!/2?socketid=s6fVy94Kt372gLdRAABc>



1. Data transfer to Watson IOT platform.

Wokwi link: <https://wokwi.com/projects/348643596303336018>

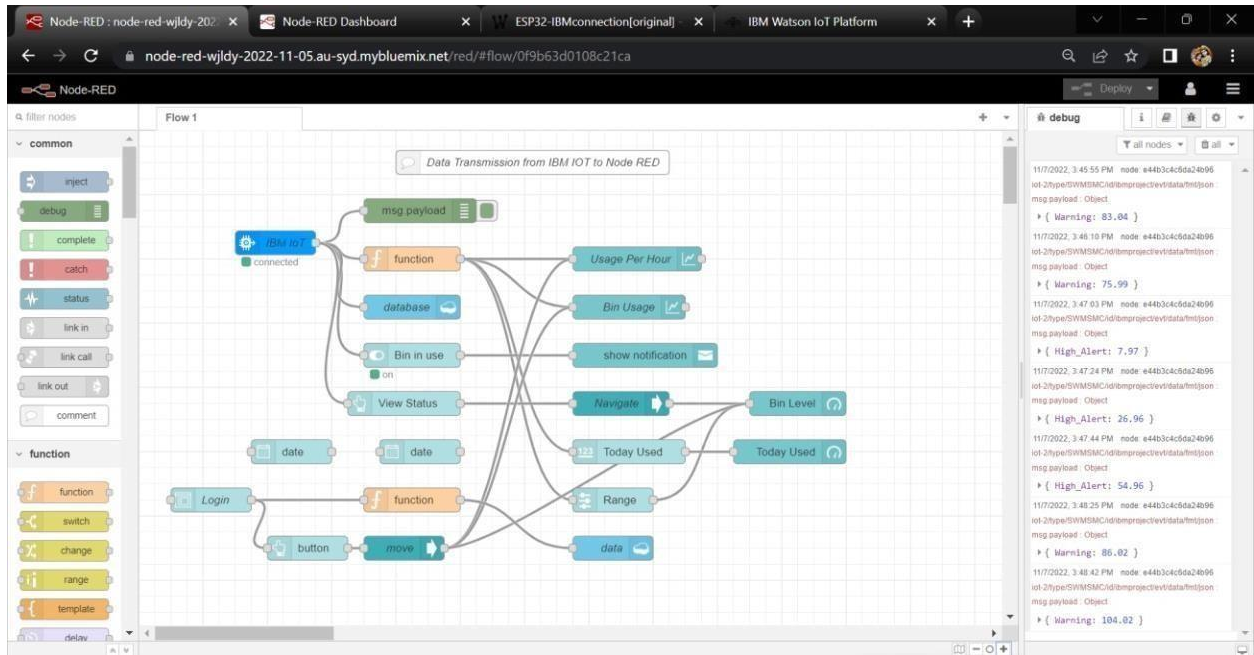
Ui: <https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui/#!/2?socketid=s6fVy94Kt372gLdRAABc>



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

Wokwi link:<https://wokwi.com/projects/348643596303336018>

Ui:<https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui/#!/2?socketid=s6fVy94Kt372gLdRAABc>



5 . Storing database in IBM cloudant DB.

Wokwi link:<https://wokwi.com/projects/348643596303336018>

Ui:<https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui/#!/2?socketid=s6fVy94Kt372gLdRAABc>

The screenshot shows the Cloudant Databases dashboard. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/all_dbs`. The page title is "Databases". There is a "Database name" dropdown, a "Create Database" button, and icons for JSON, a book, and a bell. The "Your Databases" section contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons: Add, Edit, Delete, Lock, Unlock]
noderedwjldy20221105	37.4 KB	4	No	[Icons: Add, Edit, Delete, Lock, Unlock]
sample	59.4 KB	351	No	[Icons: Add, Edit, Delete, Lock, Unlock]
sensor_data	15.7 KB	90	No	[Icons: Add, Edit, Delete, Lock, Unlock]

At the bottom, it says "Showing 1-4 of 4 databases. Databases per page: 20".

The screenshot shows the Cloudant document viewer for the "sensor_data" database. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/database/sensor_data/all_docs`. The page title is "sensor_data". There is a "Document ID" dropdown, "Options" button, and icons for JSON, a book, and a bell. The "All Documents" section contains a table with the following data:

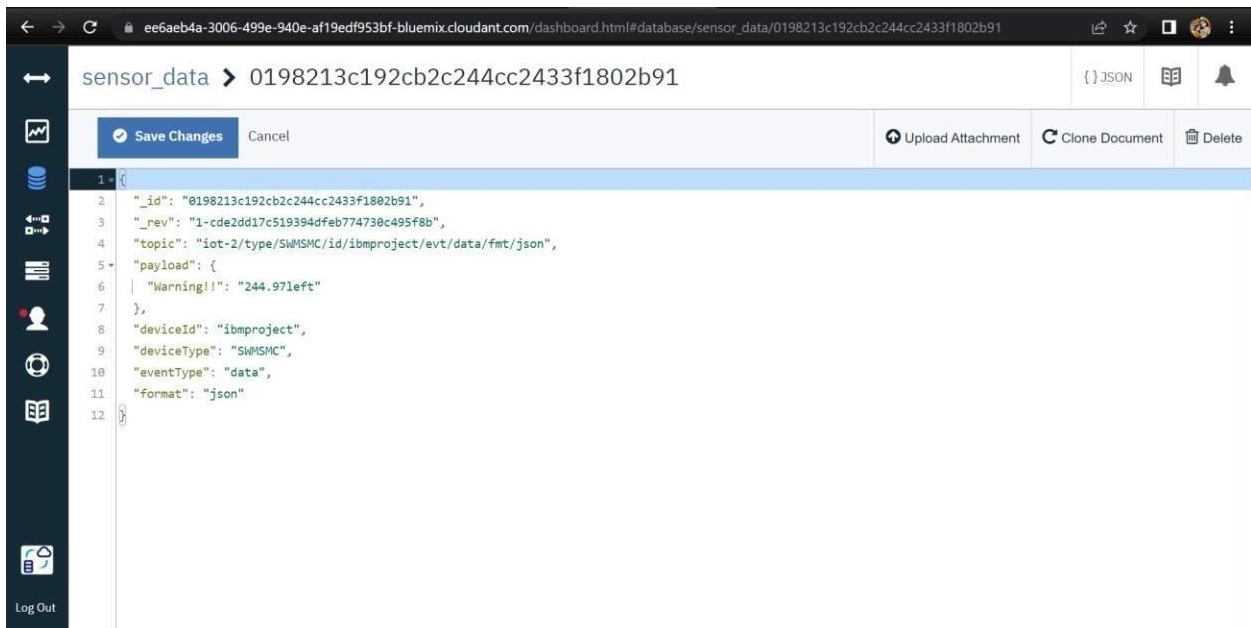
id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16cfab0..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ecad57f039e..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9..." }
298ed6fbd9h3b815f5ac7c061e...	298ed6fbd9h3b815f5ac7c061e...	{ "rev": "1-4e7240f6e5307a1b9..." }

At the bottom, it says "Showing document 1 - 20. Documents per page: 20".

6. Data is stored in JSON format

Wokwi link: <https://wokwi.com/projects/348643596303336018>

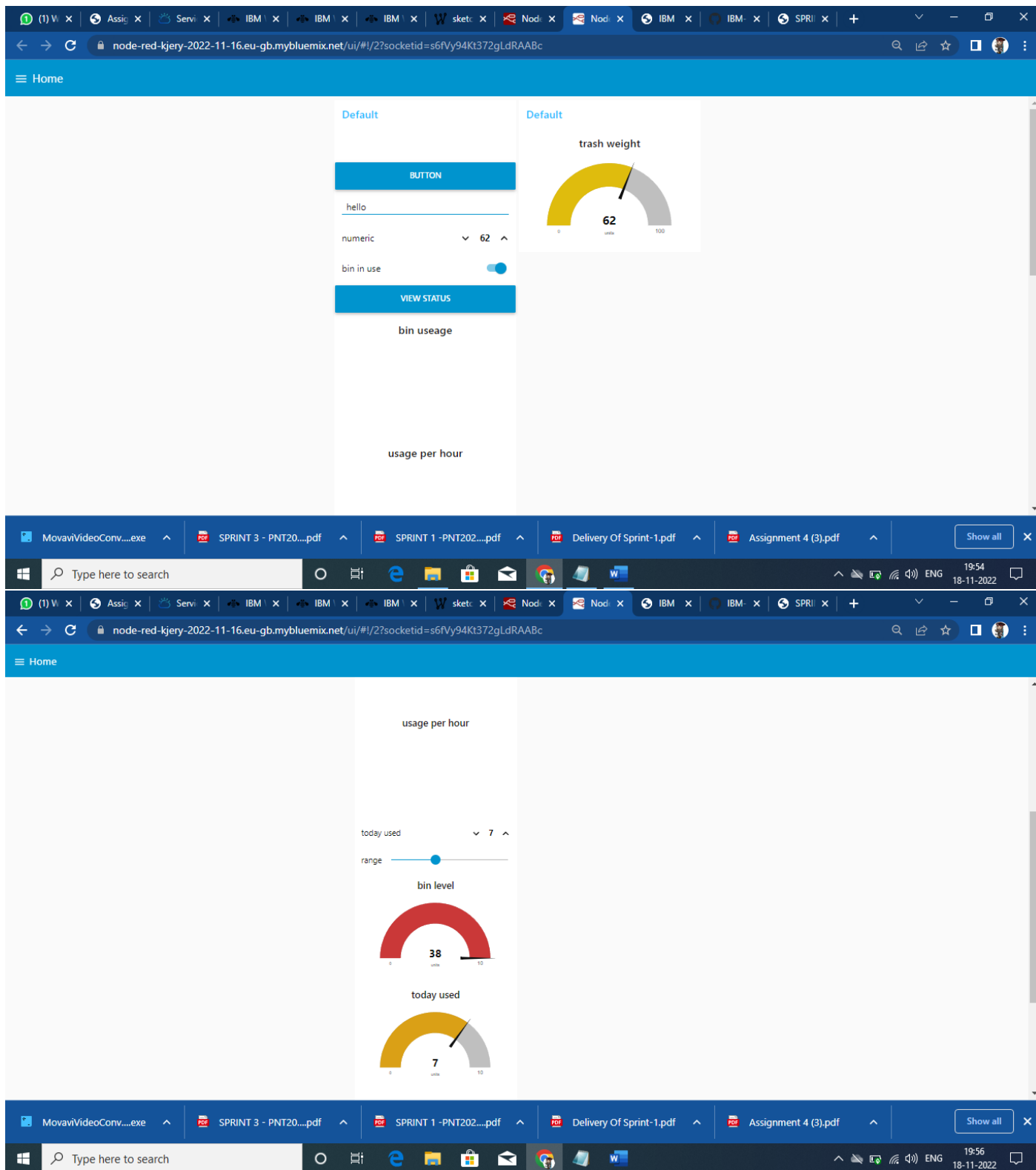
Ui: <https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui/#!/2?socketid=s6fVy94Kt372gLdRAABc>



7. Web UI

Wokwi link: <https://wokwi.com/projects/348643596303336018>

Ui: <https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui/#!/2?socketid=s6fVy94Kt372gLdRAABc>



Wokwi link: <https://wokwi.com/projects/348643596303336018>

Ui: <https://node-red-kjery-2022-11-16.eu-gb.mybluemix.net/ui/#!/2?socketid=s6fVy94Kt372gLdRAABc>