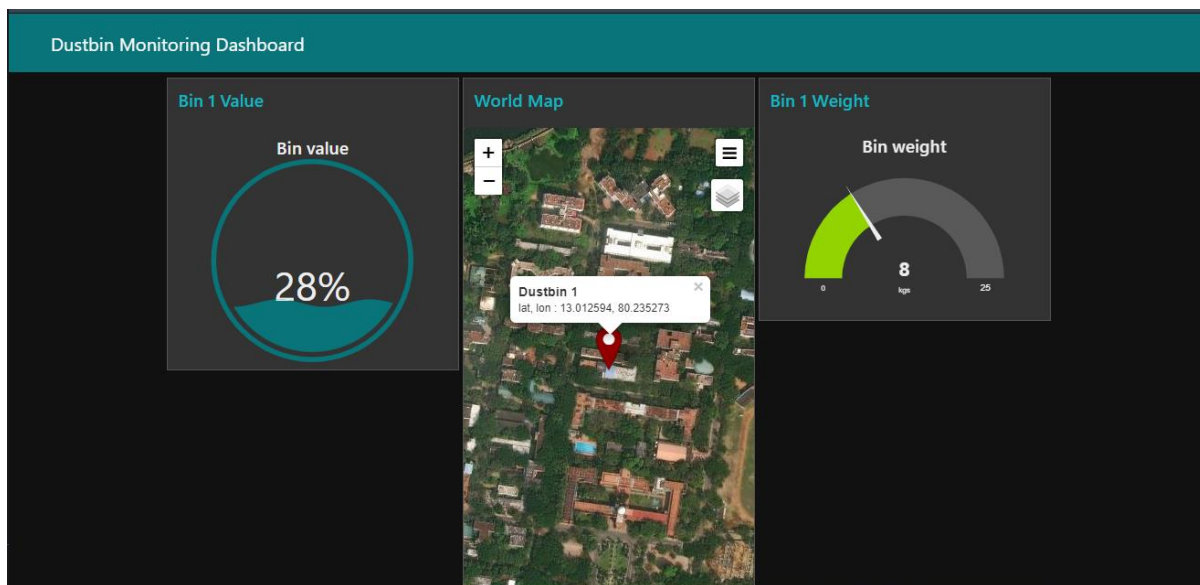


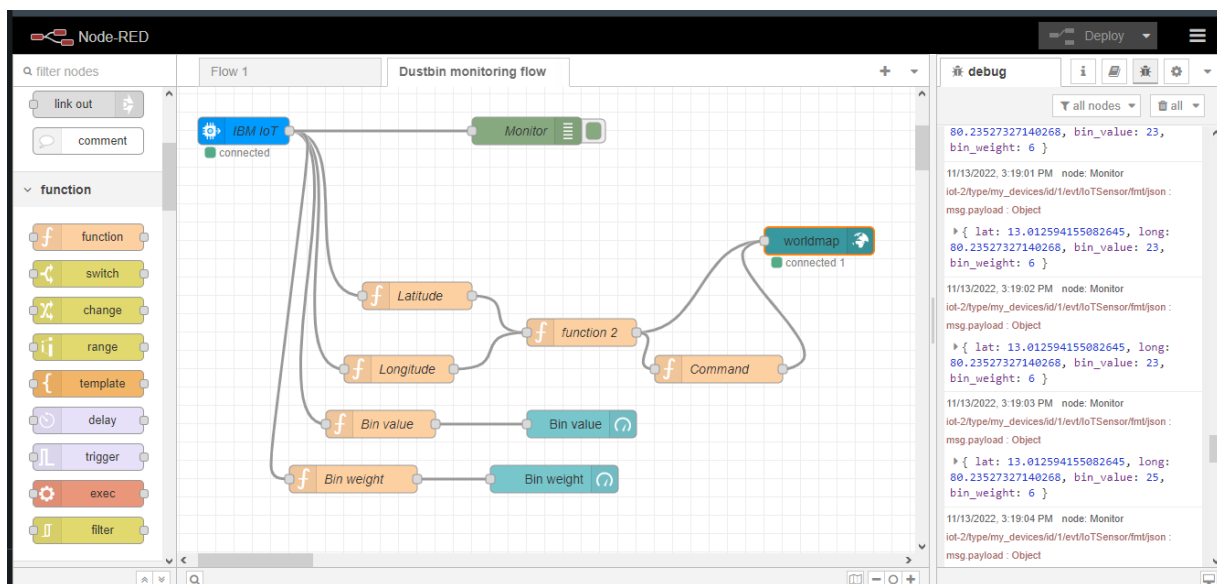
Team ID	PNT2022TMID35517
Project Name	Smart Waste Management System For Metropolitan Cities

Sprint 2:

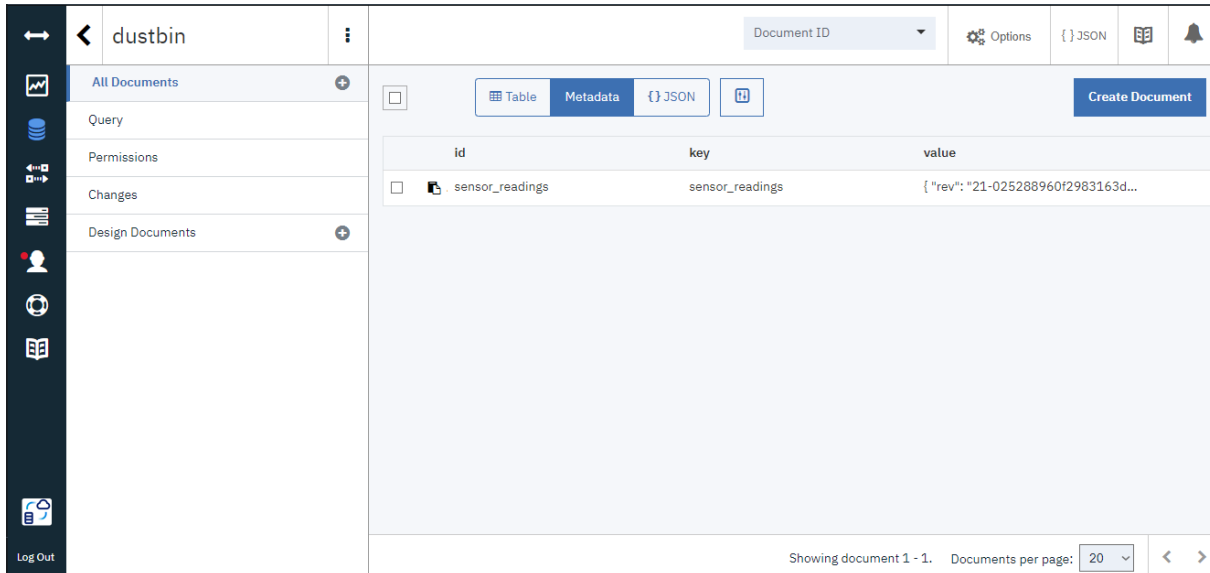
Creation of Web UI for a single dustbin using Node Red and monitoring it



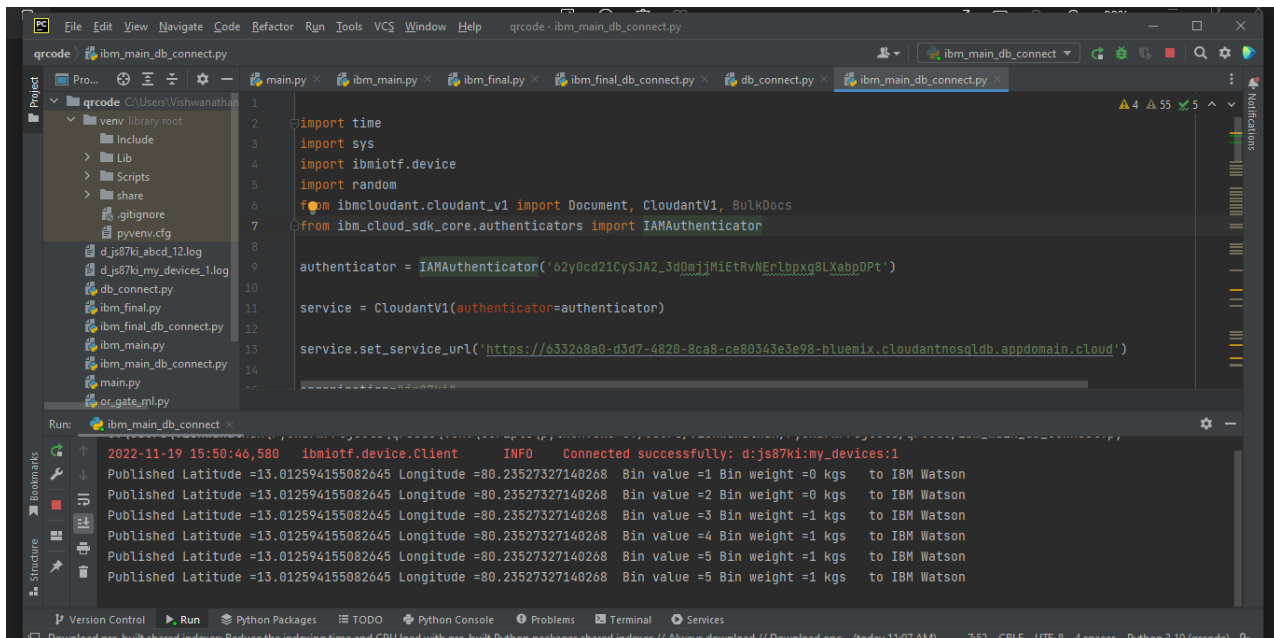
Node Red Flows:



Creation of Cloudant DB and sending dustbin locations from python script:



id	key	value
<input type="checkbox"/>	sensor_readings	{ "rev": "21-025288960f2983163d..." }



```
1 import time
2 import sys
3 import ibmiotf.device
4 import random
5 from ibmcloudant.cloudant_v1 import Document, CloudantV1, BulkDocs
6 from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
7
8 authenticator = IAMAuthenticator('62y0cd21CysJA2_3d0mijMiEtRvNErLbpXq8LXabpDPt')
9
10 service = CloudantV1(authenticator=authenticator)
11
12 service.set_service_url('https://633268a0-d3d7-4820-8ca8-ce80343e3e98-bluemix.cloudantnosqldb.appdomain.cloud')
13
14
```

Run: ibm_main_db_connect

```
2022-11-19 15:50:46,580 ibmiotf.device.Client INFO Connected successfully: d:js87ki:my_devices:1
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =1 Bin weight =0 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =2 Bin weight =0 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =3 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =4 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =5 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =5 Bin weight =1 kgs to IBM Watson
```

