Smart Waste Management System For Metropolitan Cities

Team Id: PNT2022TMID18390

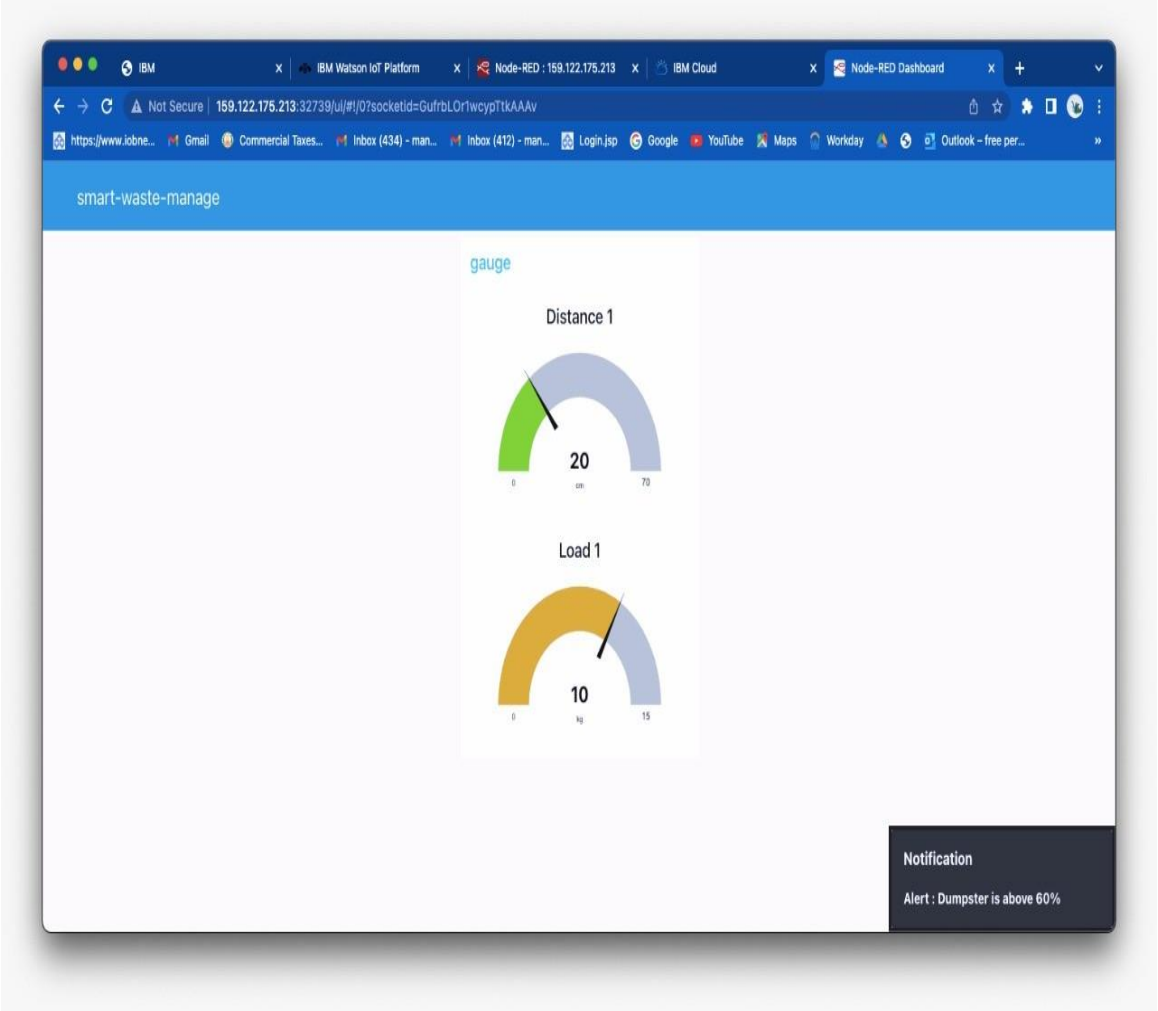
Project Development Phase

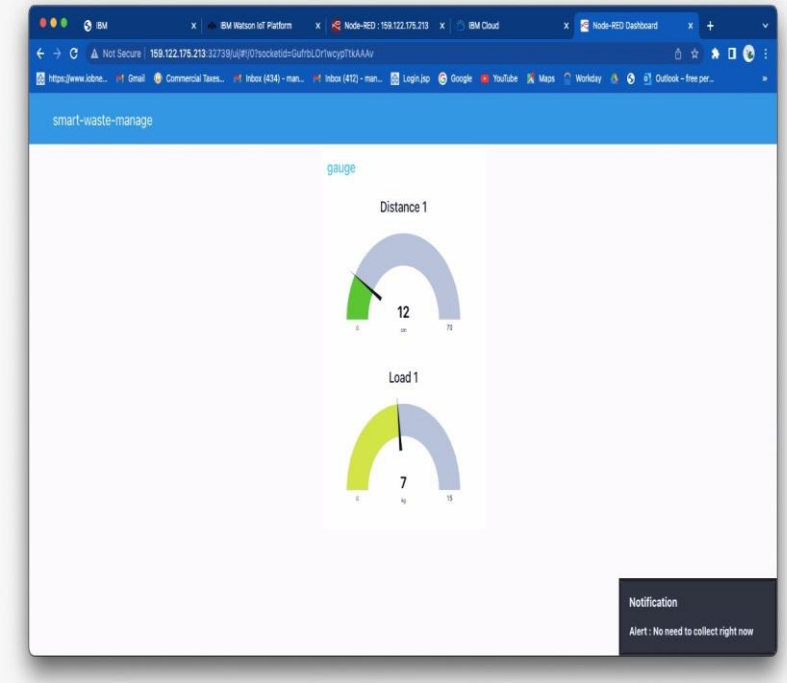
Delivery of Sprint-4

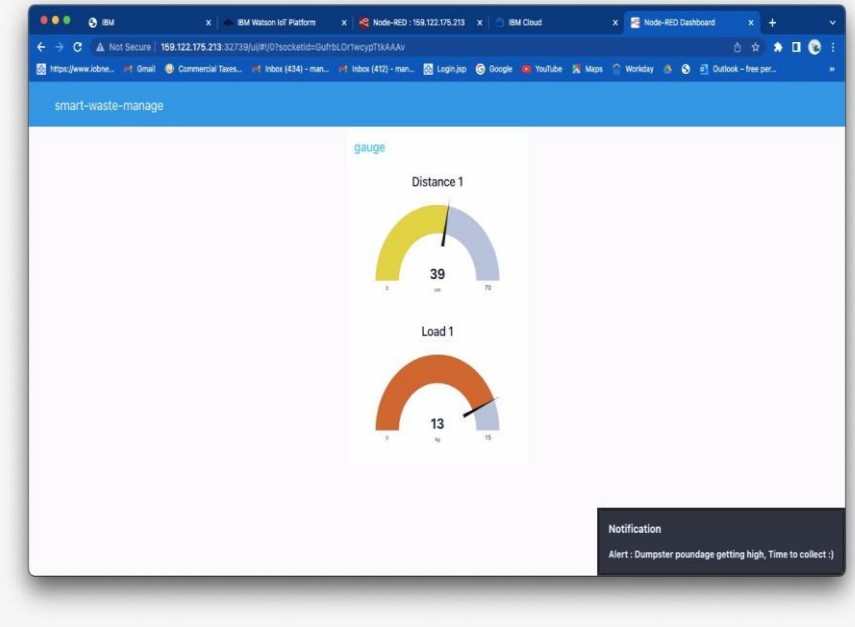
SPRINT 4

- Create a flow for nodered UI
- Run the python code
- Alert the User

Web APP




IBM
IBM Watson IoT Platform
Node-RED : 159.122.175.213
IBM Cloud
Node-RED Dashboard
Not Secure
159.122.175.213:32739/ui/#!/0?socketid=GufrbLOr1wcypTtkAAAv
smart-waste-manage
gauge
Distance 1
12
Load 1
7
Notification
Alert : No need to collect right now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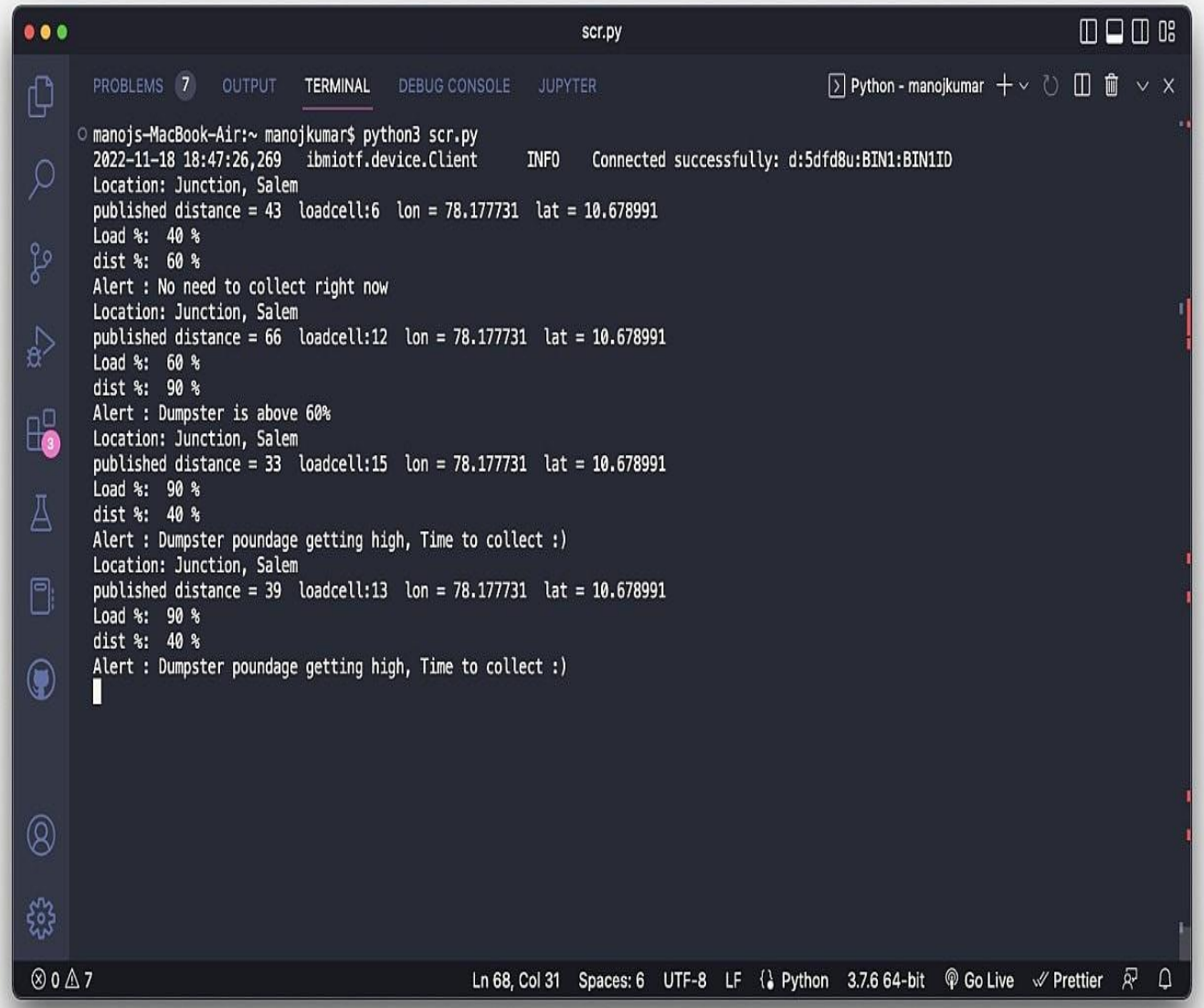
159.122.175.213:32739/ui/#!/0?socketid=GufrbLOr1wcypTtkAAAv
smart-waste-manage
gauge
Distance 1
39
Load 1
13
Notification
Alert : Dumpster poundage getting high, Time to collect :)


scr.py
PROBLEMS 7
OUTPUT
TERMINAL
DEBUG CONSOLE
JUPYTER
Python - manojkumar
manojs-MacBook-Air:~ manojkumar$ python3 scr.py
2022-11-18 18:47:26,269 ibmiotf.device.Client INFO Connected successfully: d:5dfd8u:BIN1:BIN1ID
Location: Junction, Salem
published distance = 43 loadcell:6 lon = 78.177731 lat = 10.678991
Load %: 40 %
dist %: 60 %
Alert : No need to collect right now
Location: Junction, Salem
published distance = 66 loadcell:12 lon = 78.177731 lat = 10.678991
Load %: 60 %
dist %: 90 %
Alert : Dumpster is above 60%
Location: Junction, Salem
published distance = 33 loadcell:15 lon = 78.177731 lat = 10.678991
Load %: 90 %
dist %: 40 %
Alert : Dumpster poundage getting high, Time to collect :)
Location: Junction, Salem
published distance = 39 loadcell:13 lon = 78.177731 lat = 10.678991
Load %: 90 %
dist %: 40 %
Alert : Dumpster poundage getting high, Time to collect :)
0 7
Ln 68, Col 31 Spaces: 6 UTF-8 LF Python 3.7.6 64-bit Go Live Prettier