

## Sprint 4

Date	15-11-2022
Team Id	PNT2022TMID22482
Project Name	Project -Smart Waste Management System for Metropolitan Cities
Team Members	Saravanan G Anand Krishnan N Kishore Kumar J Mohamed Idris M

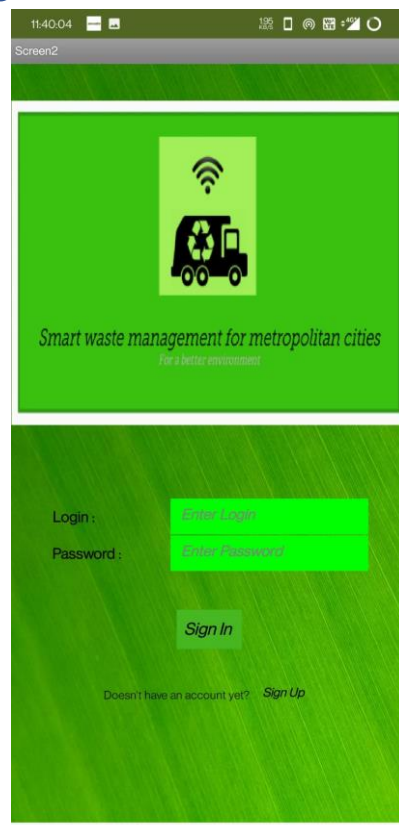
### Description:

- A prototype application is created
- Simulation devices are created in IBM IoT Watson Platform.
- Node-red flow for every device is designed.
- Node-red dashboard is created.
- Data from the devices are displayed in both Node-red dashboard and the user interface.

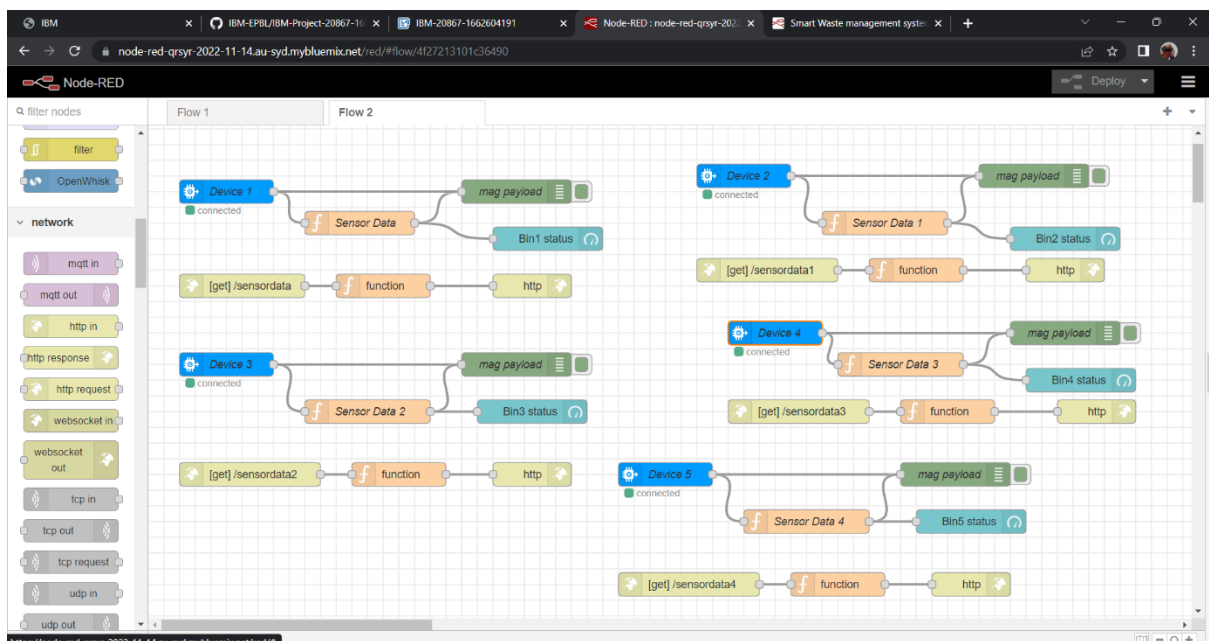
### Application opening page:



## Application login page:



## Node-red flow http flow for all devices:

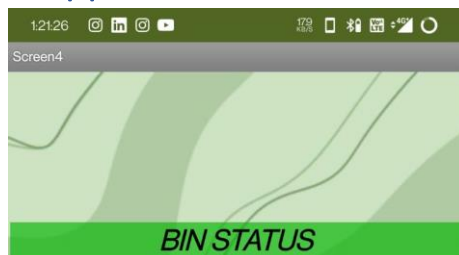


## Simulations of all devices:

The screenshot shows the IBM Watson IoT Platform dashboard. The main table lists devices with columns for Device ID, Status, Device Type, Class ID, and Date. A simulation overlay is visible on the right, showing 5/50 simulations running. The overlay includes a search bar, a table of simulated devices, and buttons for 'Create Simulated Device' and 'Use Registered Device'.

Device ID	Status	Device Type	Class ID	Date
12	Disconnected	abcd	Device	Oct 12
swmsfmc1	Disconnected	sensordevices	Device	Nov 12
swmsfmc2	Disconnected	sensordevices1	Device	Nov 12
swmsfmc3	Disconnected	sensordevices2	Device	Nov 12
swmsfmc4	Disconnected	sensordevices3	Device	Nov 12
swmsfmc5	Disconnected	sensordevices4	Device	Nov 12
ultrasonic1	Disconnected	esp32	Device	Nov 12

## Bin status shown in the application:



SREET-1: Bin is filled

SREET-2: Bin is not filled

SREET-3: Bin is not filled

SREET-4: Bin is not filled

SREET-5: Bin is not filled

