Project Development PhaseSprint III

Date	13 November 2022
Team ID	PNT2022TMID14352
Project Name	Signs with Smart Connectivity for better road safety

Sprint Targets :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Login	USN-5	As an administrator , I should have an account of the website	7	Low	Pavithra Rohini Naresh Mallisri
Sprint-3	Dashboard	USN-6SSS	As an admin , I should be able to monitor and add sign nodes	13	Medium	Pavithra Rohini Naresh Mallisri

Wokwi Simulation: https://wokwi.com/projects/348178332935782994

IoT Device – IoT Platform

Node Red – Connect with MIT AppInventor
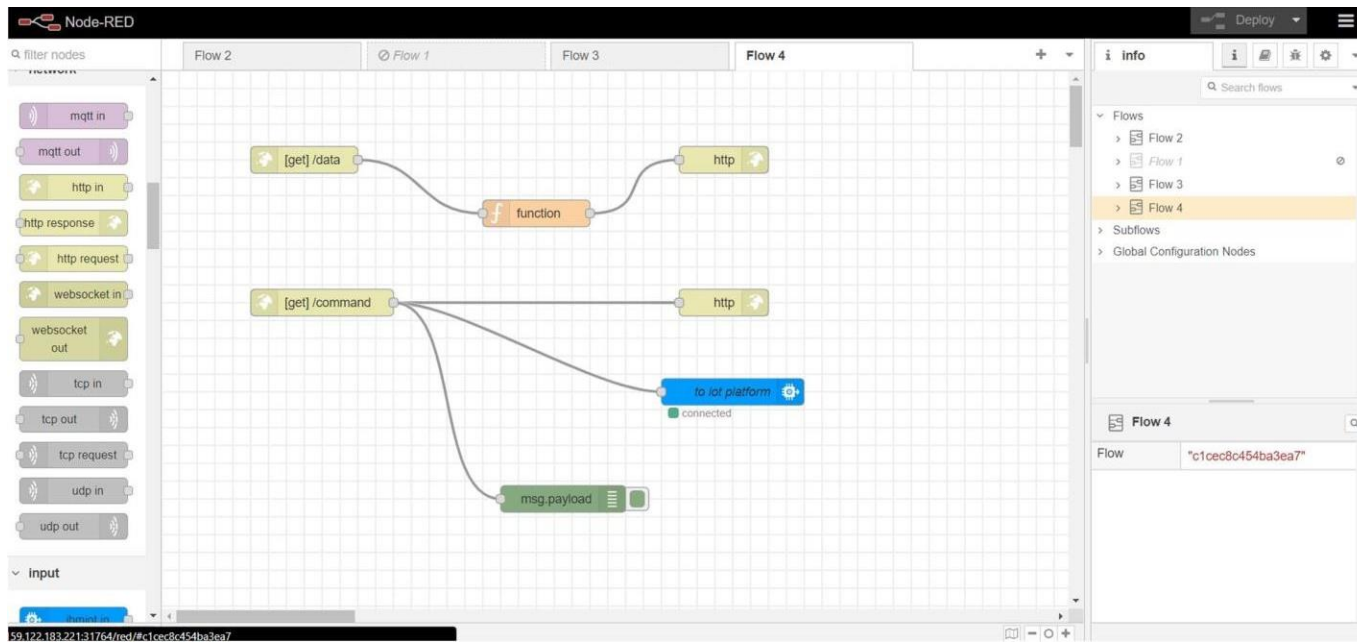
Edit function node

Delete | Cancel | **Done**

⚙ **Properties** ⚙ 📄 ▣

🏷 Name | Name | 📖 ▾

⚙ Setup | On Start | **On Message** | On Stop

```
1  msg.payload = {
2      "temp":global.get("temp"),
3      "humid":global.get("humid"),
4      "speed":global.get("speed"),
5      "n":global.get("n"),
6      "s":global.get("s"),
7      "e":global.get("e"),
8      "w":global.get("w"),
9      "res":global.get("res"),
10     "l1":global.get("l1"),
11     "l2":global.get("l2"),
12     "l3":global.get("l3"),
13     "l4":global.get("l4"),
14     "optimal_lane":global.get("optimal_lane")
15
16  };
17
18  return msg;
```
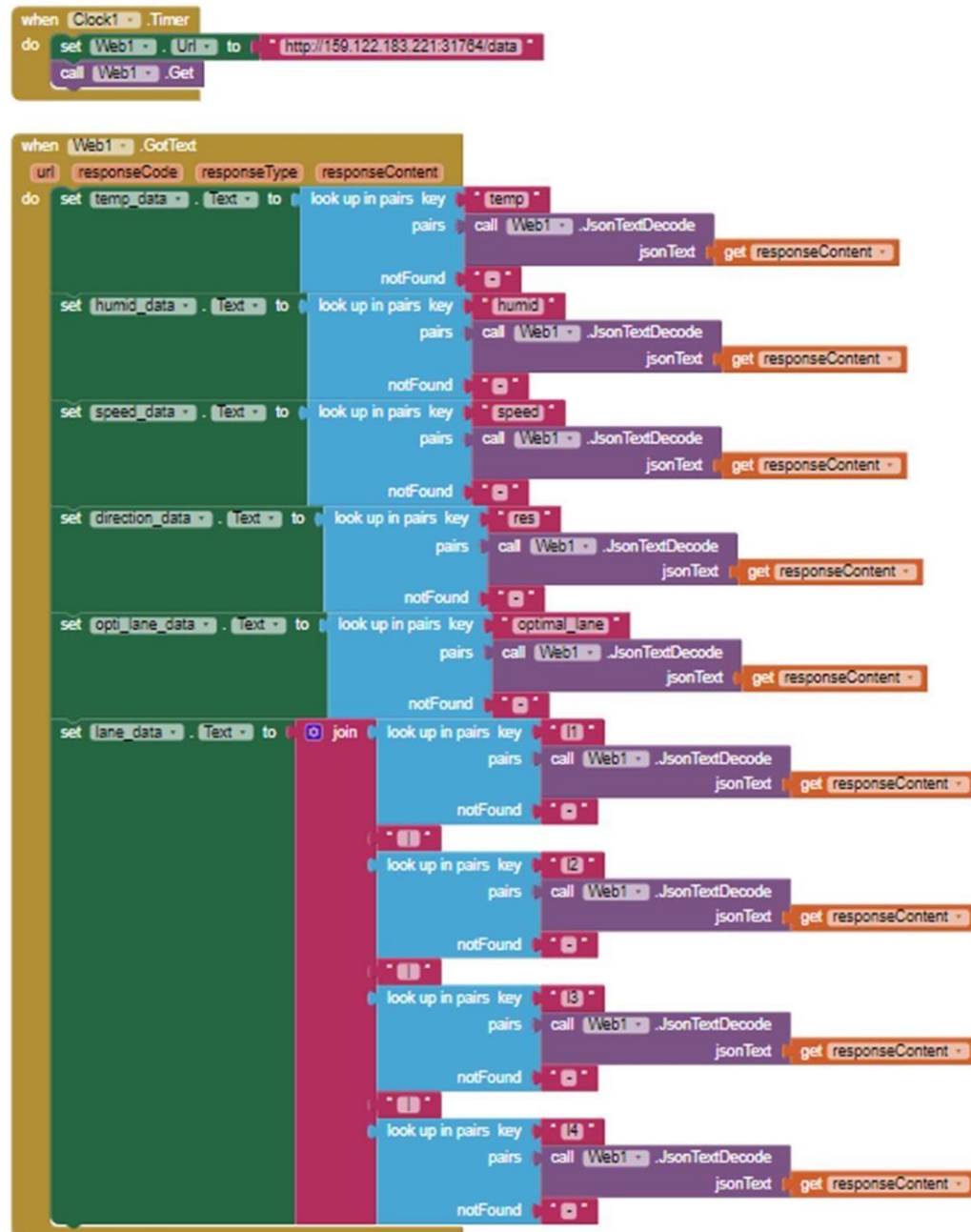
Output from Node red:

{"temp":14.9,"humid":86,"speed":80,"n":0,"s":0,"e":0,"w":1,"res":"West","l1":69,"l2":99,"l3":19,"l4":40,"optimal_lane":"Lane 3"}

MIT App Inventor UI design:
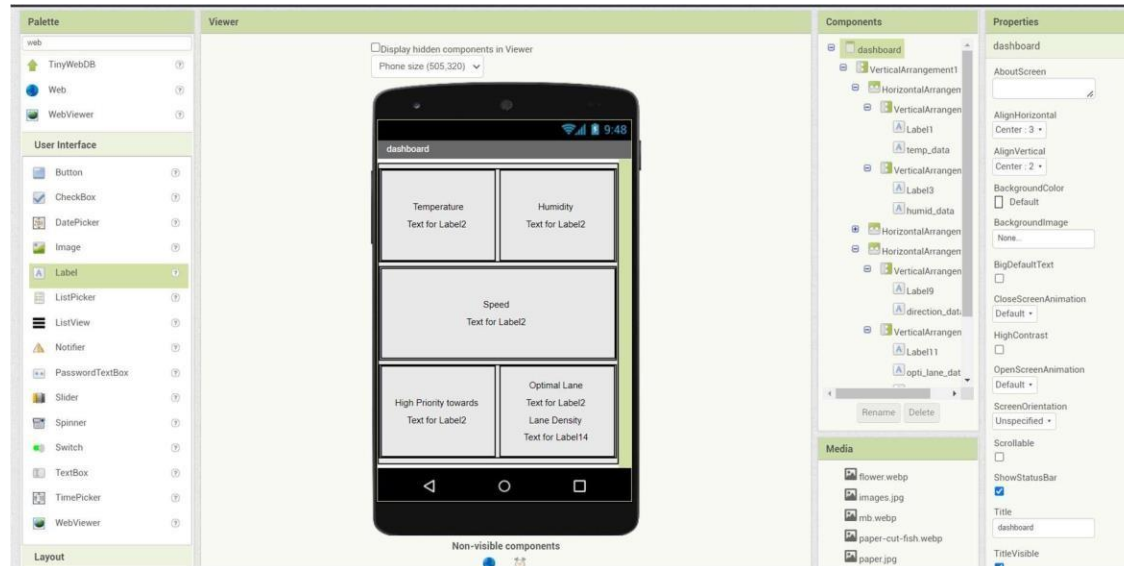
MIT App Inventor Backend design:

Sprint 3 delivery:

(OUTPUT) Display from MIT App: