

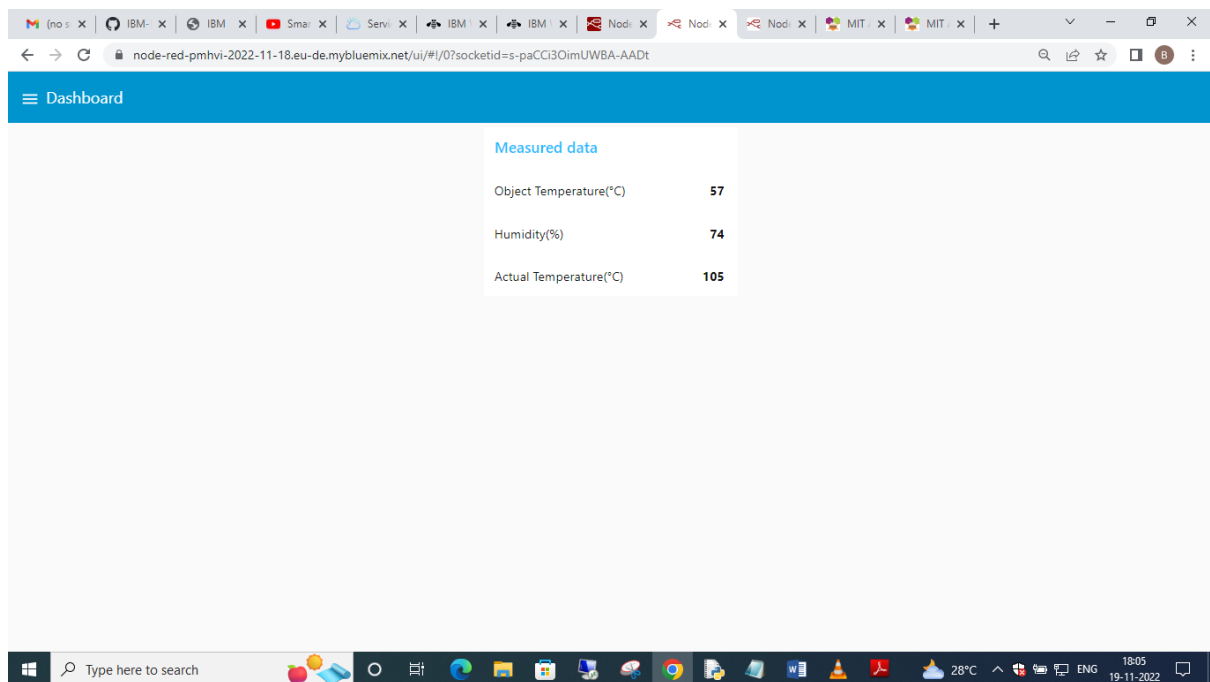
Project Development Phase Sprint-4

Date	19 November 2022
Team ID	PNT2022TMID07205
Project Name	Project – SMART FARMER(IoT Enabled Smart Farming Application)

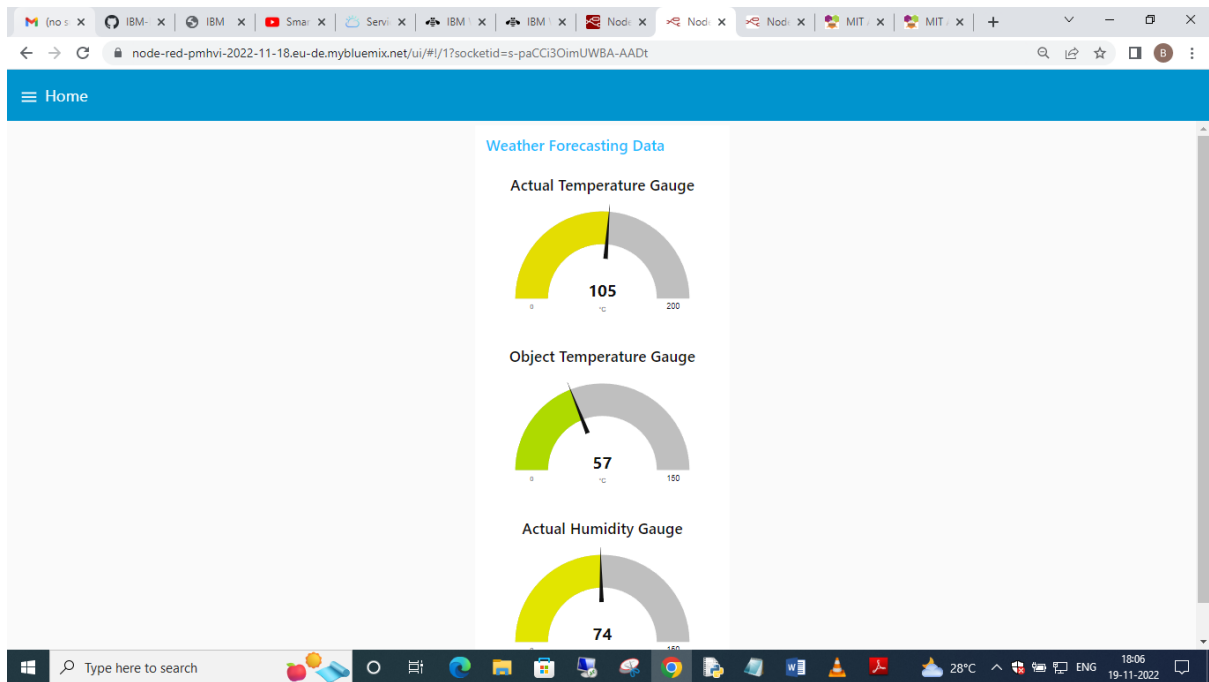
Develop A Mobile application and web application

Web Application with Node-RED

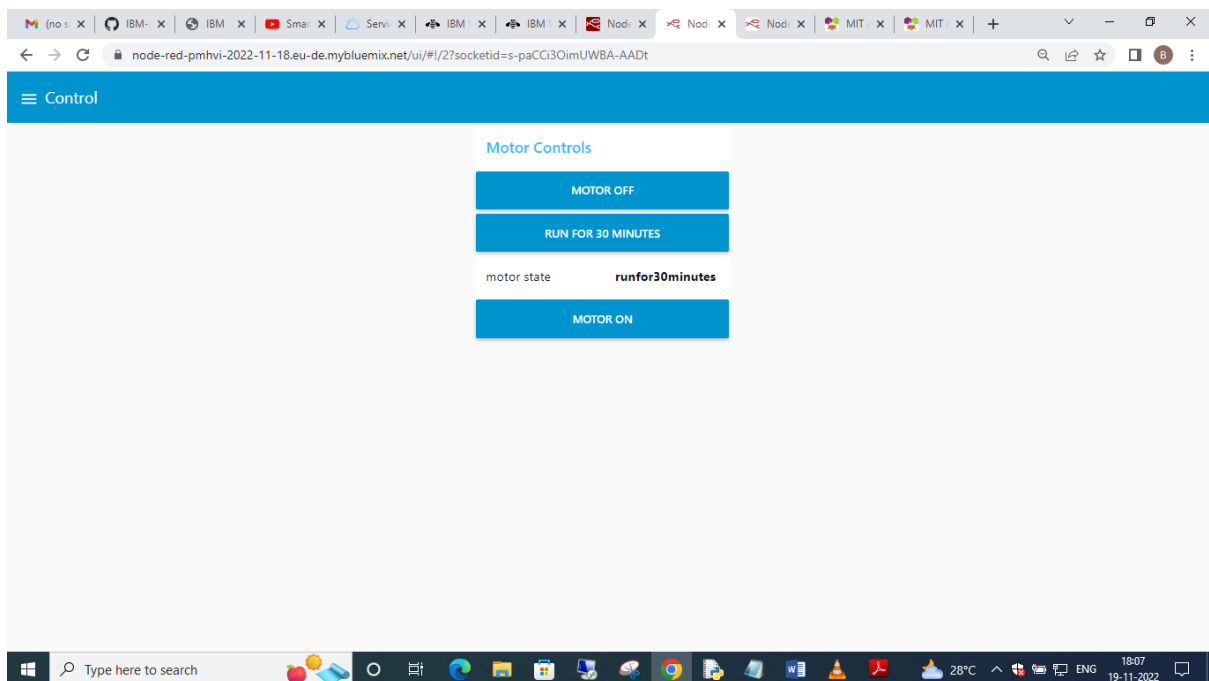
You should need dashboard nodes to be installed to build a dashboard.



This page will show the measured value of the simulator



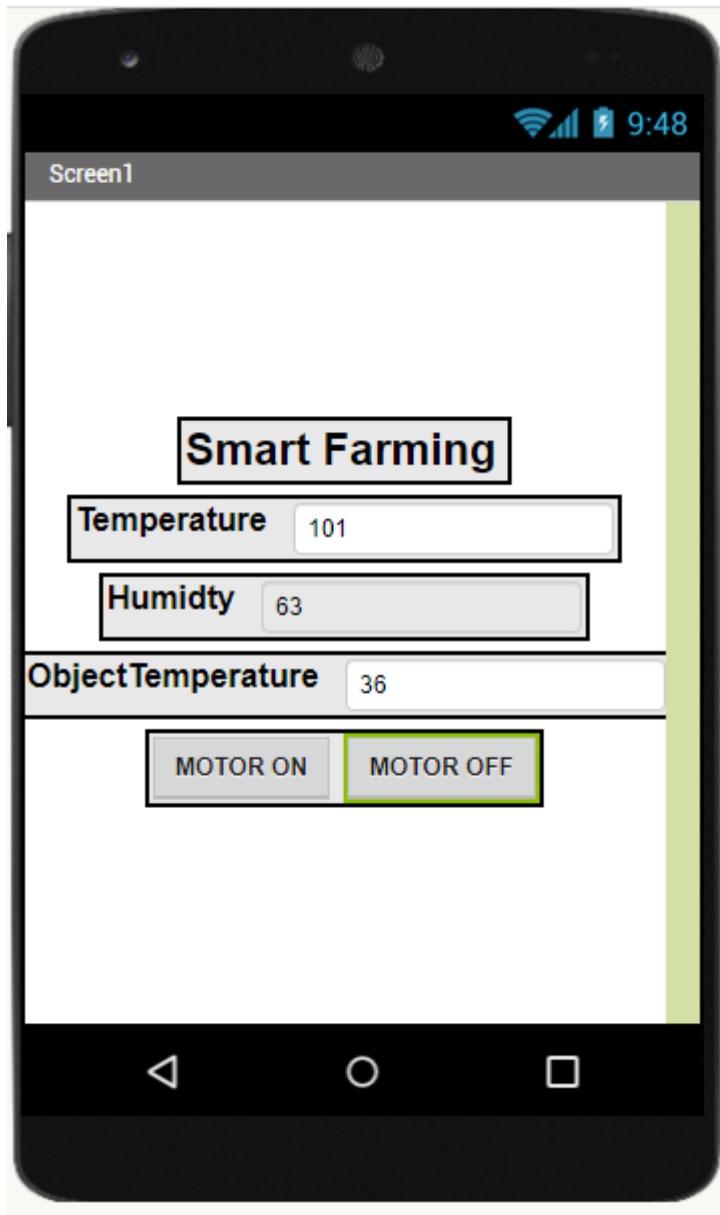
This page is for general weather forecasting data



This page is for controlling the motor

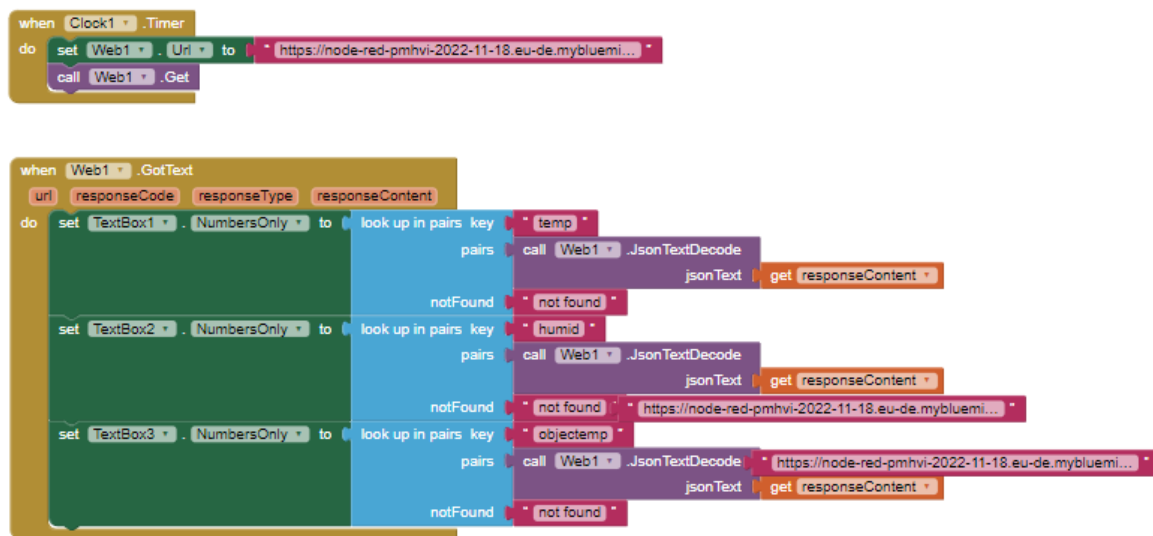
Mobile Application with Node-RED

Here to create a mobile app MIT app inventor is used. This the designer(Front-end) of the app.



This is the complete layout of the mobile app

The blocks(Back-end) is created as shown below



This is the functions runs behind the textbox



This is the functions runs behind the button

The Actual Output of the smart farming in python console is shown below

```

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\libs\ farming_motor.py
2022-11-19 17:07:19.465 lbmiot.device.Client INFO Connected successfully: d:98gm4o:iotdevice:qwerty321
Command received: {'command': 'runfor30minutes'}
MOTOR RUNS FOR 30 MINUTES
MOTOR STARTED
29 minutes to stop
28 minutes to stop
27 minutes to stop
26 minutes to stop
25 minutes to stop
24 minutes to stop
23 minutes to stop
22 minutes to stop
21 minutes to stop
20 minutes to stop
19 minutes to stop
18 minutes to stop
17 minutes to stop
16 minutes to stop
15 minutes to stop
14 minutes to stop
13 minutes to stop
12 minutes to stop
11 minutes to stop
10 minutes to stop
9 minutes to stop
8 minutes to stop
7 minutes to stop
6 minutes to stop
5 minutes to stop
4 minutes to stop
3 minutes to stop
2 minutes to stop
1 minutes to stop
0 minutes to stop
MOTOR STOPPED
  
```