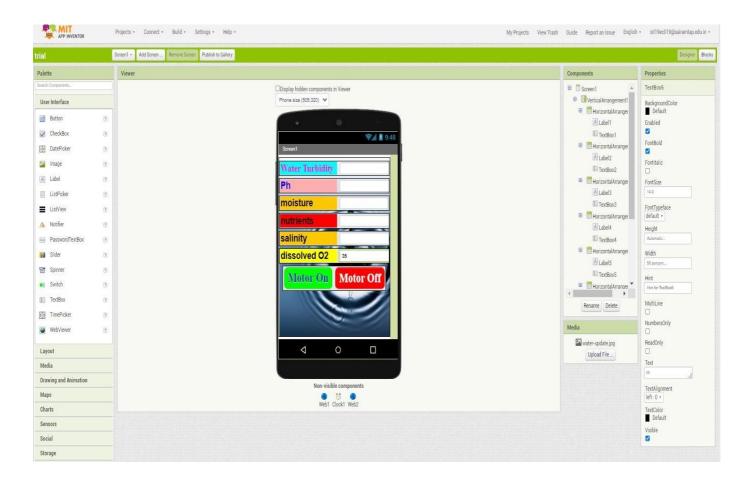
# SPRINT 3 TEAM ID: PNT2022TMID06206

## **REAL TIME RIVER QUALITY MONITORING AND CONTROL SYSTEM**

#### **DESIGN AN APP IN MIT APP INVENTOR**

#### **PARAMETERS ARE:**

- 1. Ph
- 2. Water turbidity
- 3. Moisture
- 4. Salinity
- 5. Dissolved Oxygen
- 6. Nutrients



#### FRAME THE BLOCKS FOR FUNCTIONING

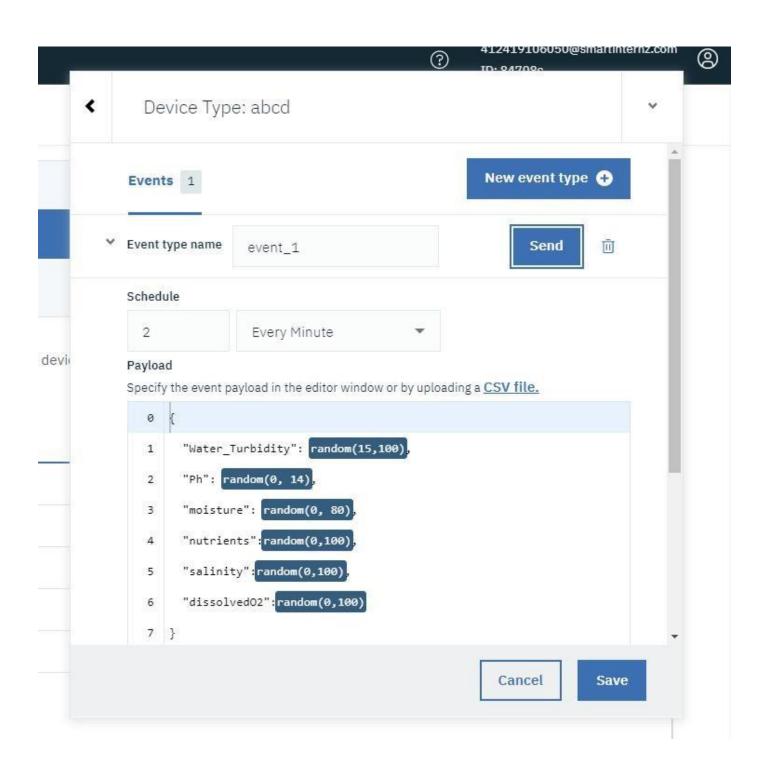
```
when Clock1 Timer
do set Web1 . Url to https://node-red-qltdp-2022-11-07.eu-gb.mybluemi...
   call Web1 .Get
when Web1 GotText
un responseCode (responseType responseContent)
do set TextBox1 - Text to look up in pairs key waterturbidity
                                             pairs call (Web11 ... JsonTextDecode
                                                                    jsonText get responseContent v
    notFound not found set TextBox2 . Text to to look up in pairs key Pa
                                            pairs call Web1 JsonTextDecode
                                                                     jsonText get responseContent
    notFound not found not found set TextBox3 10 . Text 10 to look up in pairs key moisture ...
                                            pairs call (Web1111) .JsonTextDecode
                                                                     jsonText pet responseContent
                                         notFound not found
    set TextBox4 . Text to look up in pairs key in nutrients
                                            pairs call Web1 JsonTextDecode
                                                                       jsonText get responseContent
    notFound not found set (extBox5 ) (Text ) to (look up in pairs key (salinity)
                                            pairs call (Web1177) .JsonTextDecode
                                                                       jsonText get responseContent
                                         notFound not found
    set TextBox8 . Text to look up in pairs key dissolvedO2
                                            pairs call (Web) JsonTextDecode
                                                                     jsonText get responseContent
                                         notFound not found
```

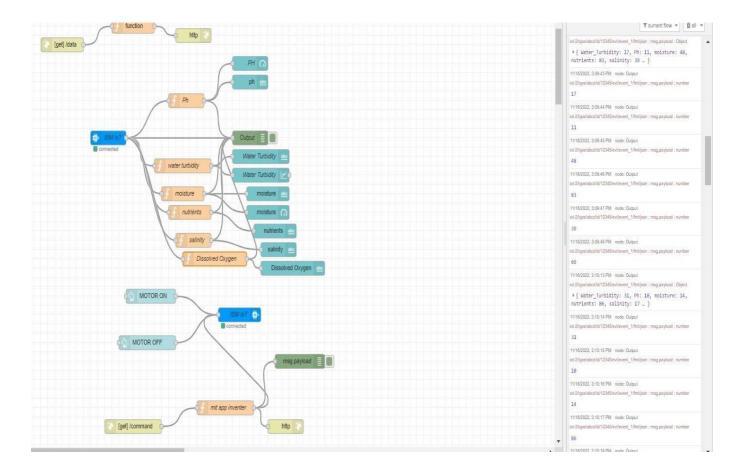
**FOR BUTTONS** 

```
when Button1 Click
do set Web2 Get white to https://node-red-qltdp-2022-11-07.eu-gb.mybluemi... 
when Button2 Click
do set Web2 Get https://node-red-qltdp-2022-11-07.eu-gb.mybluemi... 
call Web2 Get https://node-red-qltdp-2022-11-07.eu-gb.mybluemi... 
call Web2 Get
```

https://node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/data

{"Ph":6, "waterturbidity":78, "moisture":73, "nutrients":10, "salinity":38, "dissolved02":50}





### **APP IN MOBILE**

