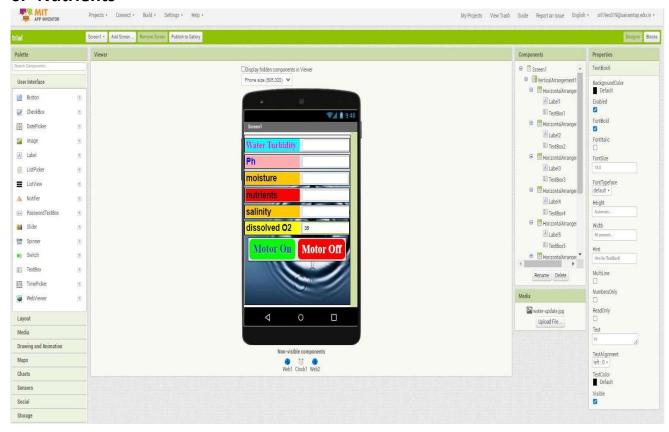
# SPRINT 3 TEAM ID: PNT2022TMID53935

## **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



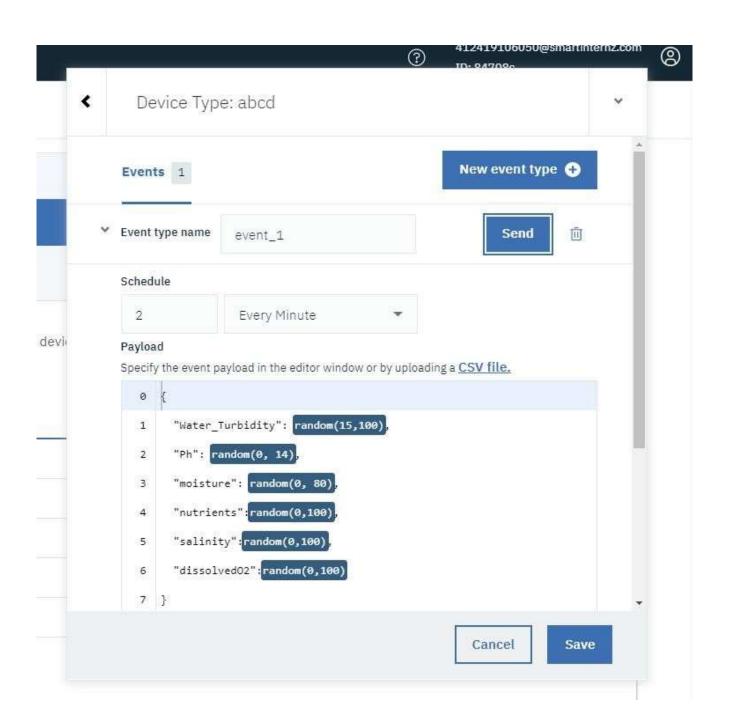
#### FRAME THE BLOCKS FOR FUNCTIONING

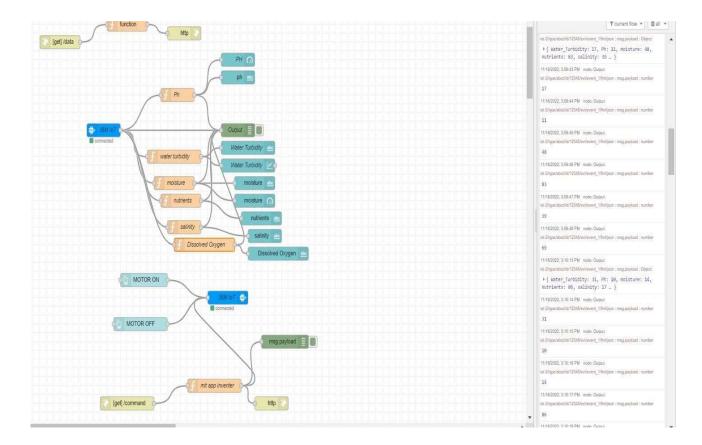
```
when Clock1 Timer
do set (Web1 : Url : to https://node-red-qitdp-2022-11-07/eu-gb.myoluemi...)
   call Web1 ... Get
when Web1 ... Got lext
 uri responseCode responseType responseContent
do set TextBox100 . Text to look up in pairs key waterturbidity
                                           polits call Web167 JsonTextDecode
                                                                     jsonText get responseContent r
    notFound not found not found set TextBox2 Text are to block up in pairs key 100 Rh 200
                                           pairs call Web192 .JsonTextDecode
                                                                     jsonText gel responseContent :
                                        neiFound not found
    set (CXISOXXII) . (Texts) to 1 look up in pairs key (mosture)
                                           pairs call (Web1177) .JsonTextDecode
                                                                    jsonText per responseContent
    notFound not found set [TextBox411] . [TextBox to 1] look up in pairs key to nutrients
                                           pairs cell (Web132) .JsonTextDecode
                                                                   jsonText get responseContent
    set TextBoX517 TextS to blook up in pairs key (salinity)
                                           pairs call Web1 JsonTextDecode
                                                                   jsonText (in get responseContent)
    set TextBox8 1 . Text at to 1 look up in pairs key 1 dissolvedO2
                                           pairs call (Web182) .JsonTextDecode
                                                                     jsonText get responseContent
                                       netFound not found
```

**FORBUTTONS** 

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**

