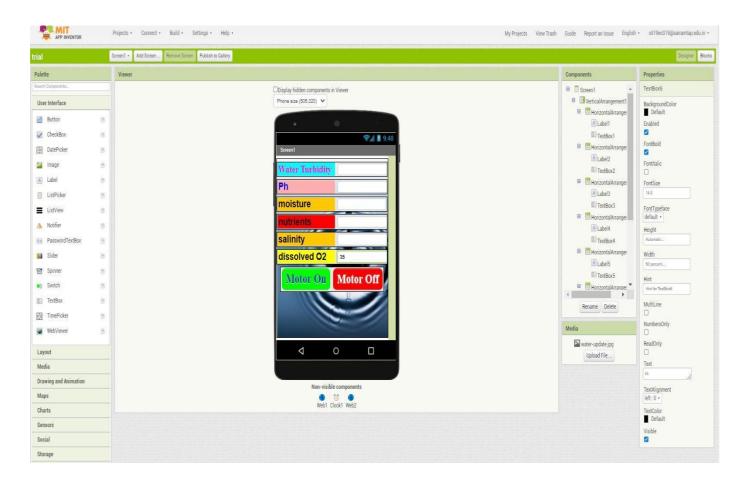
SPRINT 3 TEAM ID: PNT2022TMID31051

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-gltdp-2022-11-07.eu-gb.mybluemi...
   call Web1 Get
when Web1 GotText
uri responseCode responseType responseContent

do set rextBox1 - Text to look up in pairs key waterturb dity

pairs call Web1 JsonTextDecode
                                                                   jsonText ( get responseContent)
                                        notFound not found
    set TextBox2 . Text to look up in pairs key Ph
                                           pairs call Web1 JsonTextDecode
                                                                   jsonText get responseContent
    notFound not found set TextBox3 . Text to look up in pairs key moisture.
                                           pairs call (Web) .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 notfound set (TextBoX5 ) . (Text ) to look up in pairs key salinity
                                           pairs call (Web1147) .JsonTextDecode
                                                                     jsonText get responseContent
                                        notFound not found
    set TextBox8 . Text to look up in pairs key dissolvedO2
                                           pairs call Webt JsonTextDecode
                                                                   jsonText get responseContent:
                                        notFound not found
```

FOR BUTTONS

```
when Button1 - Click
do set Web2 - Ur to https://node-red-qltdp-2022-11-07.eu-gb.mybluemi... *

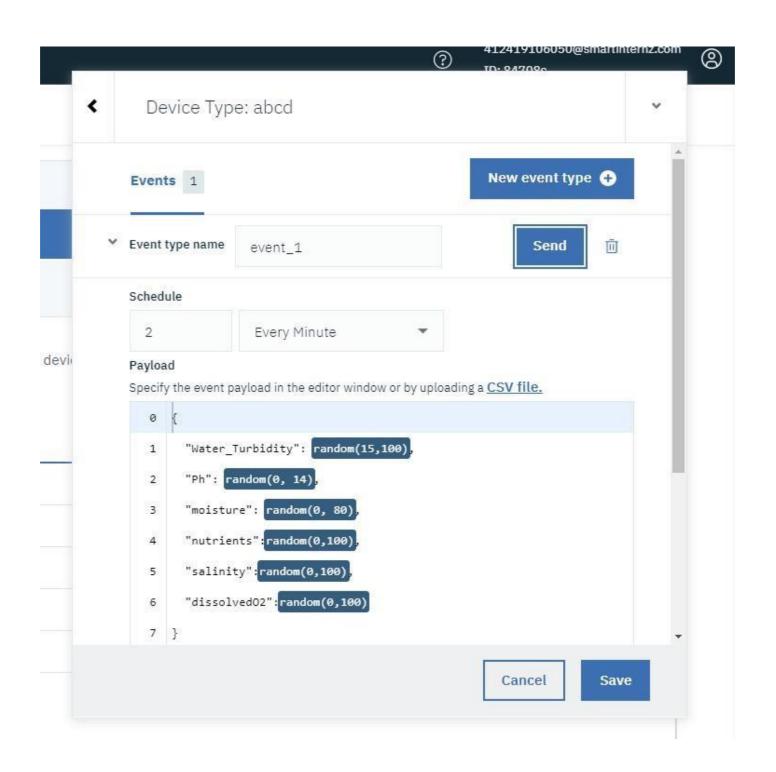
call Web2 - Click
do set Web2 - Ur to https://node-red-qltdp-2022-11-07.eu-gb.mybluemi... *

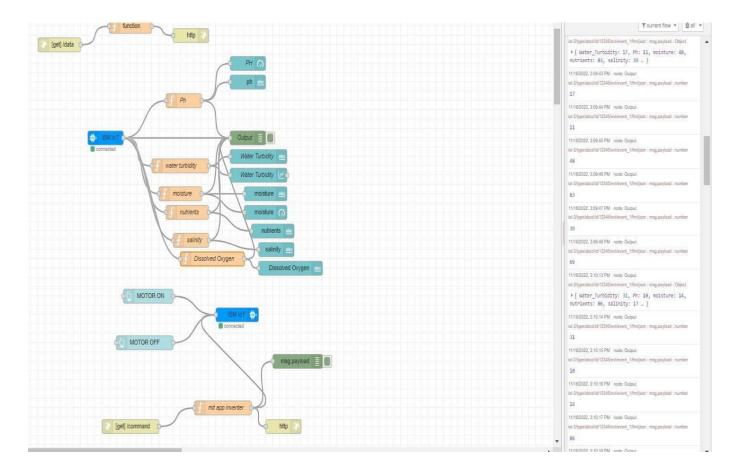
call Web2 - Click
do set Web2 - Ur to https://node-red-qltdp-2022-11-07.eu-gb.mybluemi... *

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

