

SPRINT 4

TEAM ID: PNT2022TMID03180

DATE: 18-11-22

PROJECT NAME: Real-Time River Water Quality Monitoring and Control System

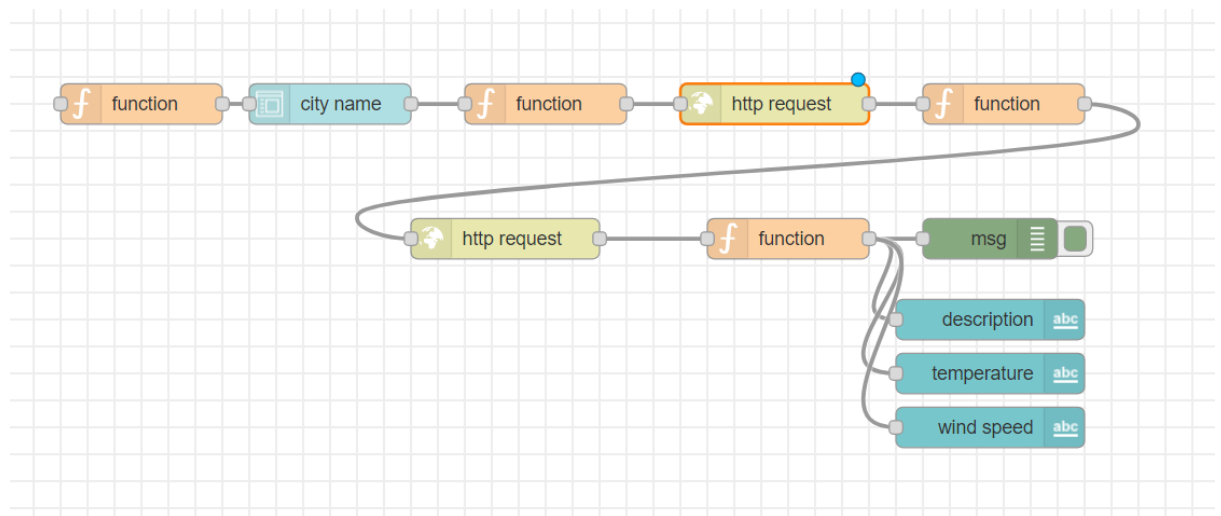
SUMMARY:

In the previous sprint, weather data is given only on entering the latitude and longitude.

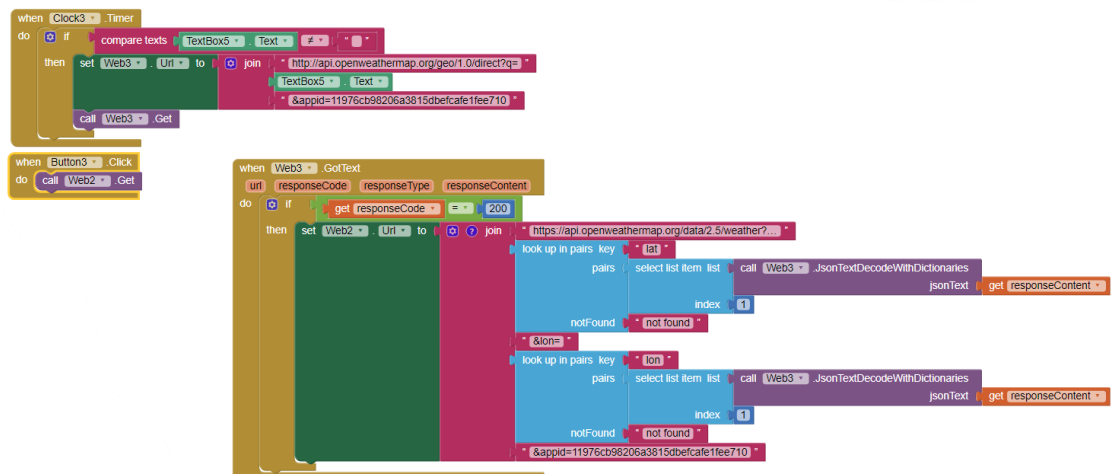
Since one cannot expect the user to always look up for the coordinates, this sprint does the job for the user. Now the user can just type the city of interest and can get the data.

CODE:

a) Node Red:



b) MIT App Inventor:



OUTPUT:

a) Node Red:

Turbidity Status	Normal
pH Status	Normal
description	clear sky
temperature	280.75
city name	
City*	Salem
<div><div>SUBMIT</div><div>CANCEL</div></div>	
wind speed	4.63
turbidity	

b) MIT App Inventor:

4G LTE 12:36 100% 100% 100%

Screen1

2.78

Turbidity

Normal

7.65

pH

Normal

City Name

Salem

Get Data

Temp:280.41
weather now:clear
sky
wind speed:4.63