Develoement PhaseSprint 4

Team ID: PNT2022TMID41853

Project Name: Signs with Smart Connectivity for Better Safety

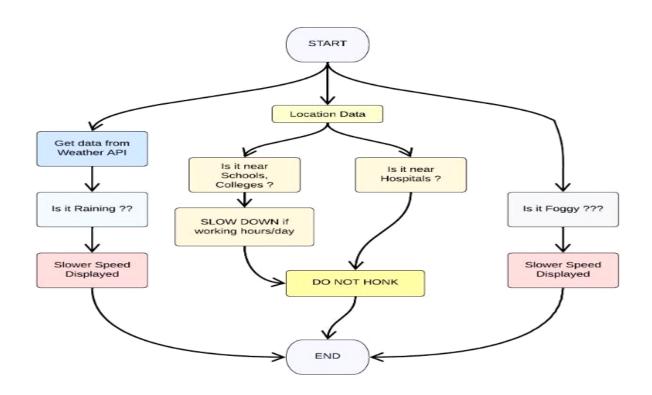
Main.py

weather.py

brain.py

```
main.py • weather.py 1 • brain.py •
Get Started
brain.py > ...
     import weather
     from datetime import datetime as dt
     def processConditions(myLocation,APIKEY,localityInfo):
        weatherData = weather.get(myLocation,APIKEY)
        finalSpeed = localityInfo["usualSpeedLimit"] if "rain" not in weatherData else localityInfo["usualSpeedLimit"]
        finalSpeed - finalSpeed if weatherData["visibility"]>35 else finalSpeed/2
         if(localityInfo["hospitalsNearby"]):
            doNotHonk = True
            if(localityInfo["schools"]["schoolZone"]==False):
               doNotHonk - False
               now = [dt.now().hour,dt.now().minute]
               activeTime = [list(map(int,_.split(":"))) for _sh localityInfo["schools"]["activeTime"]]
               "speed" : finalSpeed,
            "doNotHonk" : doNotHonk
```

Code Flow:



output:

Code Output

2022-11-06 21:38:33,452 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:epmoec:testDevice:device0 2022-11-06 21:38:33,452 wiotp.sdk.device.client.DeviceClient INFO Disconnected from the IBM Watson IoT Platform 2022-11-06 21:38:33,452 wiotp.sdk.device.client.DeviceClient INFO Closed connection to the IBM Watson IoT Platform

{'speed': 40, 'doNotHonk': False}

2022-11-06 21:38:35,631 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:epmoec:testDevice:device0 2022-11-06 21:38:35,631 wiotp.sdk.device.client.DeviceClient INFO Disconnected from the IBM Watson IoT Platform 2022-11-06 21:38:35,631 wiotp.sdk.device.client.DeviceClient INFO

Closed connection to the IBM Watson IoT Platform

{'speed': 40, 'doNotHonk': False}

... repeats every 1 sec

Output image: | Mode/Report Matter Address of Perform | Mode/Report | M