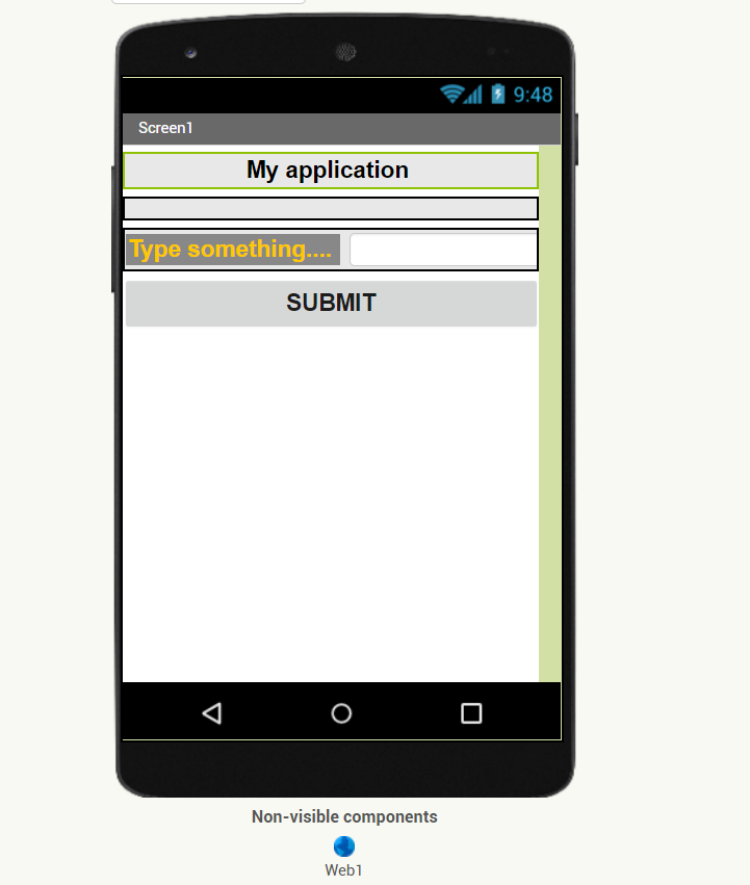
ASSIGNMENT-4

Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.
Keep a text box to accept the user input.integrate a submit button.
whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL(HTTP API).

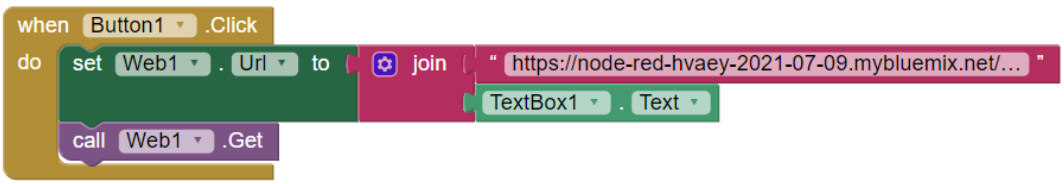
Code:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "g80xhu",
        "typeId": "GULSHANDevice",
        "deviceId":"867797"
    },
    "auth": {
        "token": "86779700"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    #m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

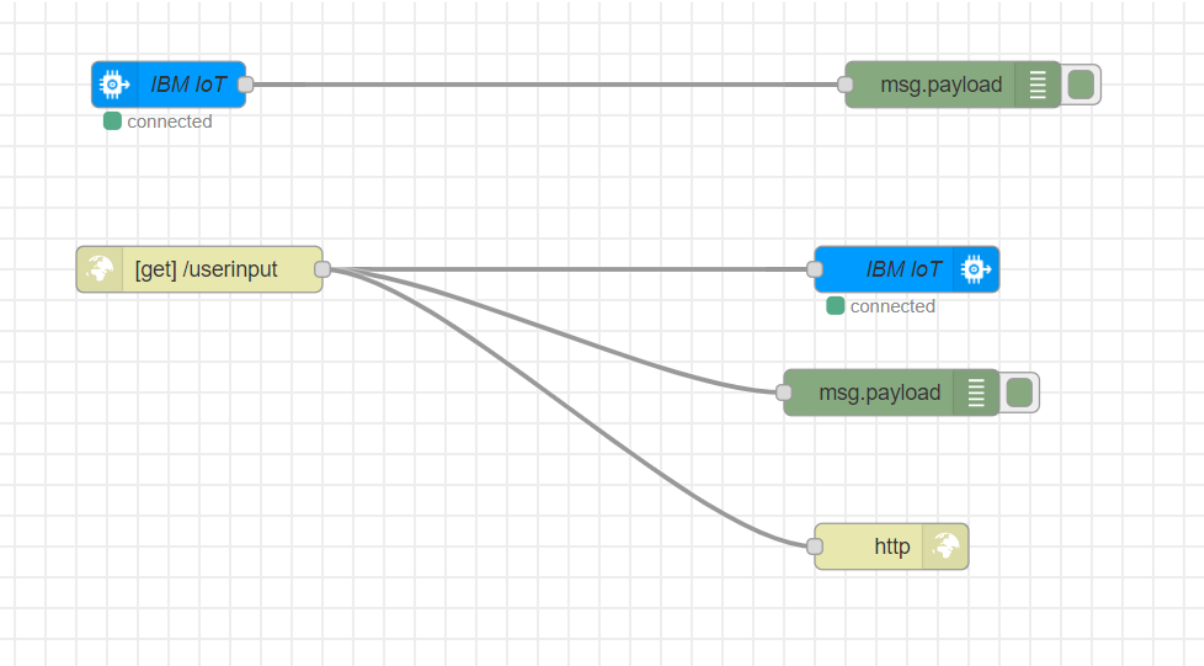
Application UI



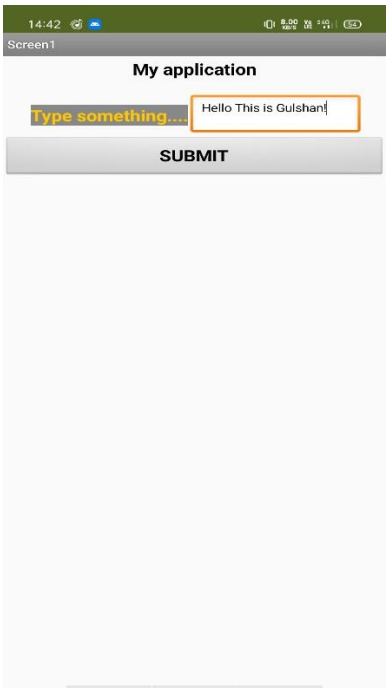
Blocks to function the above UI

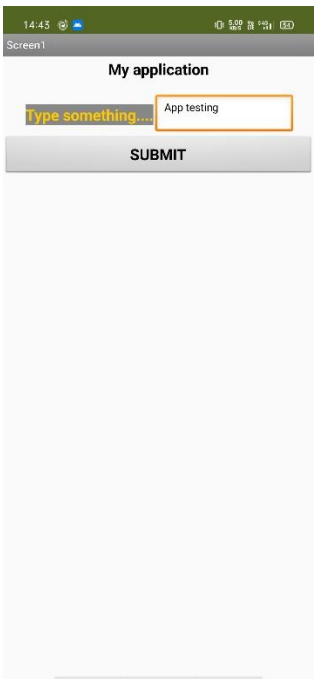


Node-red Flow that connects the IBMIoT with the Application



Input through the App:





Outputs:

Node-red Debug Screen:

Py shell: