SmartBridge Externship Program

Internet of Things

Assignment 4

Name: Jaishree Sharma

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": "hhqymq",
        "typeId": "ONEDevice",
        "deviceId":"123"
    },
    "auth": {
        "token": "12345678"
    }
}
def myCommandCallback(cmd):
    print("Message received from User: %s" % cmd.data['control'])
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
```
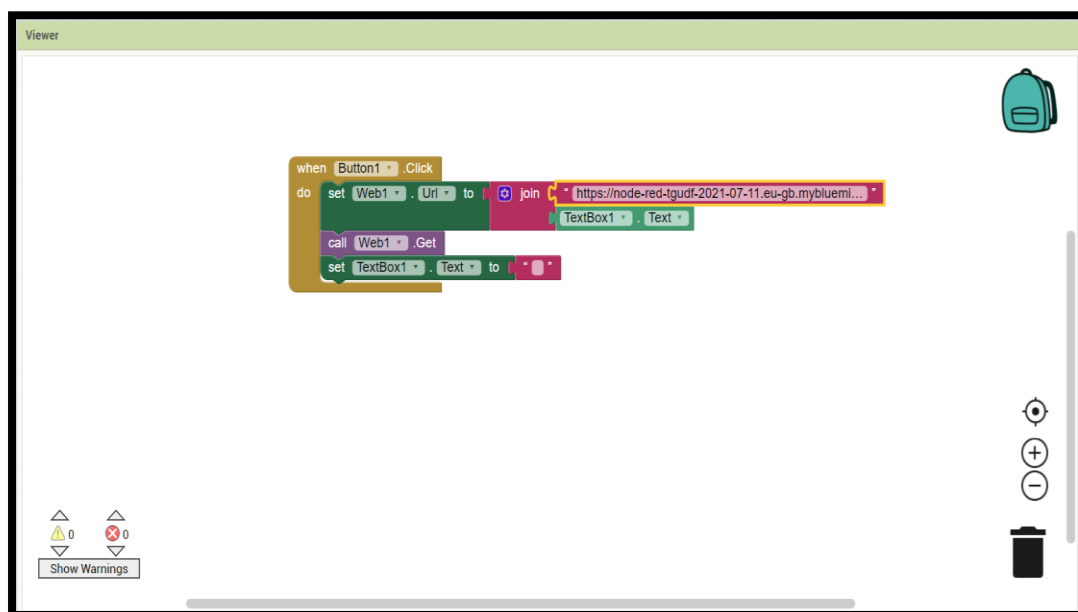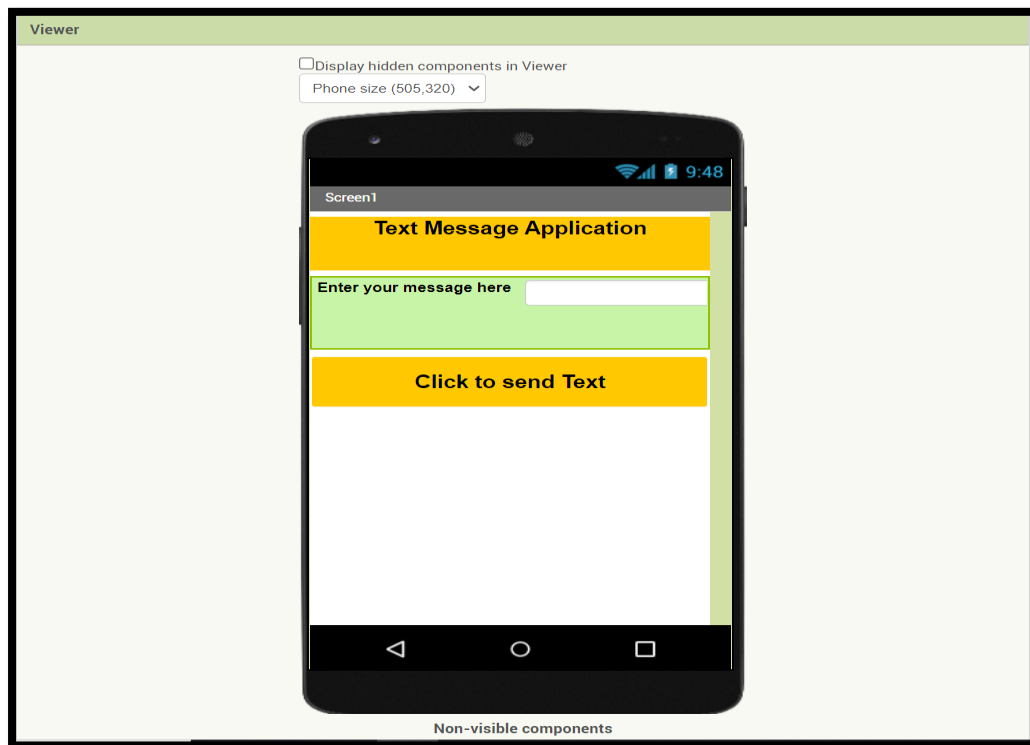
```
while True:

    client.commandCallback = myCommandCallback

    time.sleep(2)

client.disconnect()
```
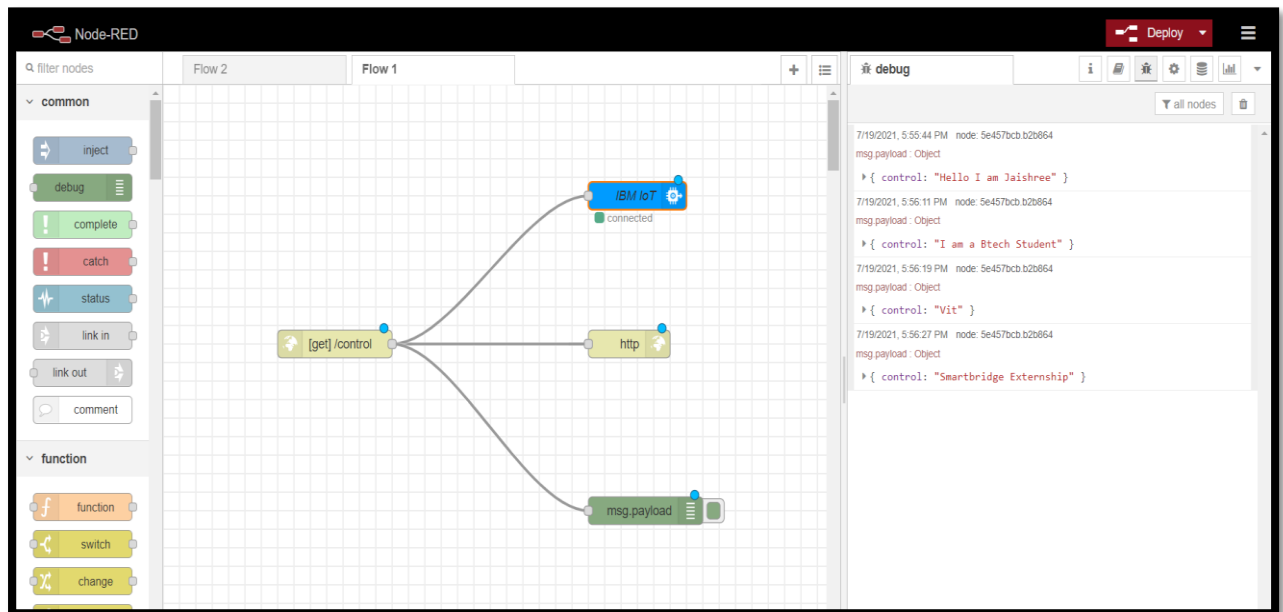
Design:

Mobile Application Screenshot: