

Assignment -4

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18BEC1278

- ★ Develop a mobile application that takes the user input and sends it to an 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 a user enters the text input in the text box and clicks the button the data should be sent to IBM cloud using URL (HTTP API).

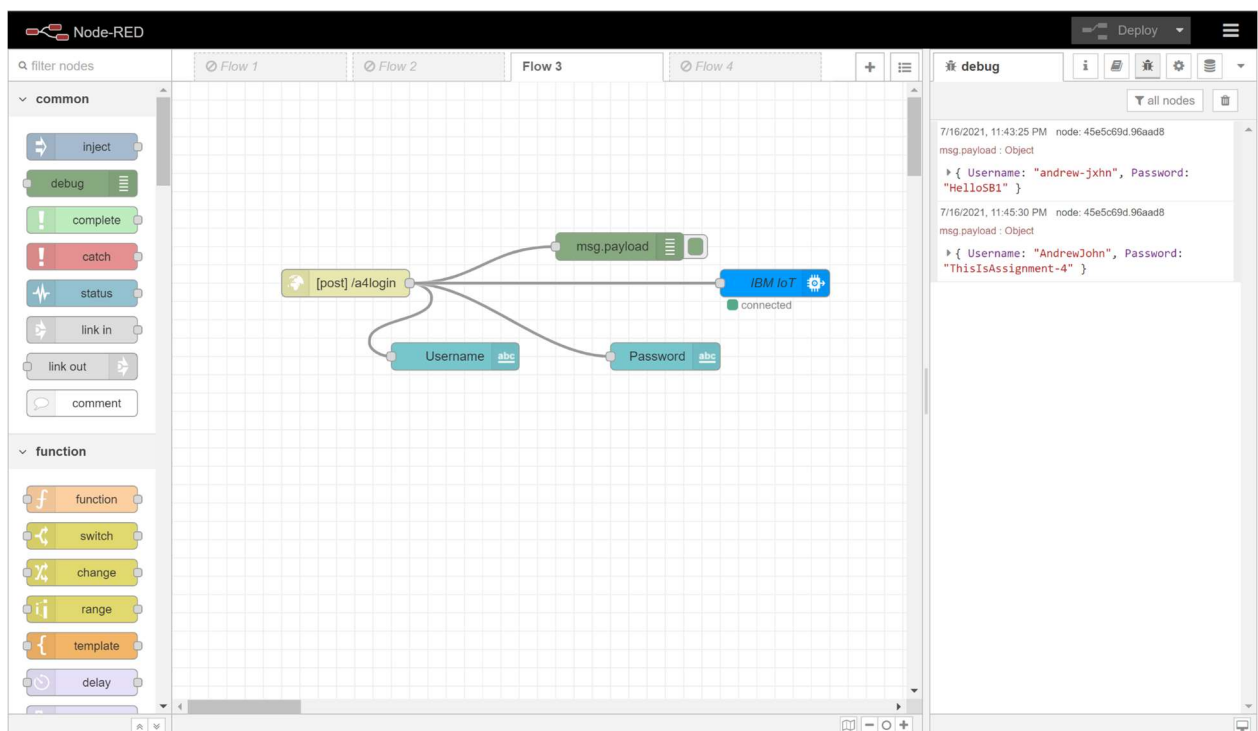


Fig-1: Node-RED Flow

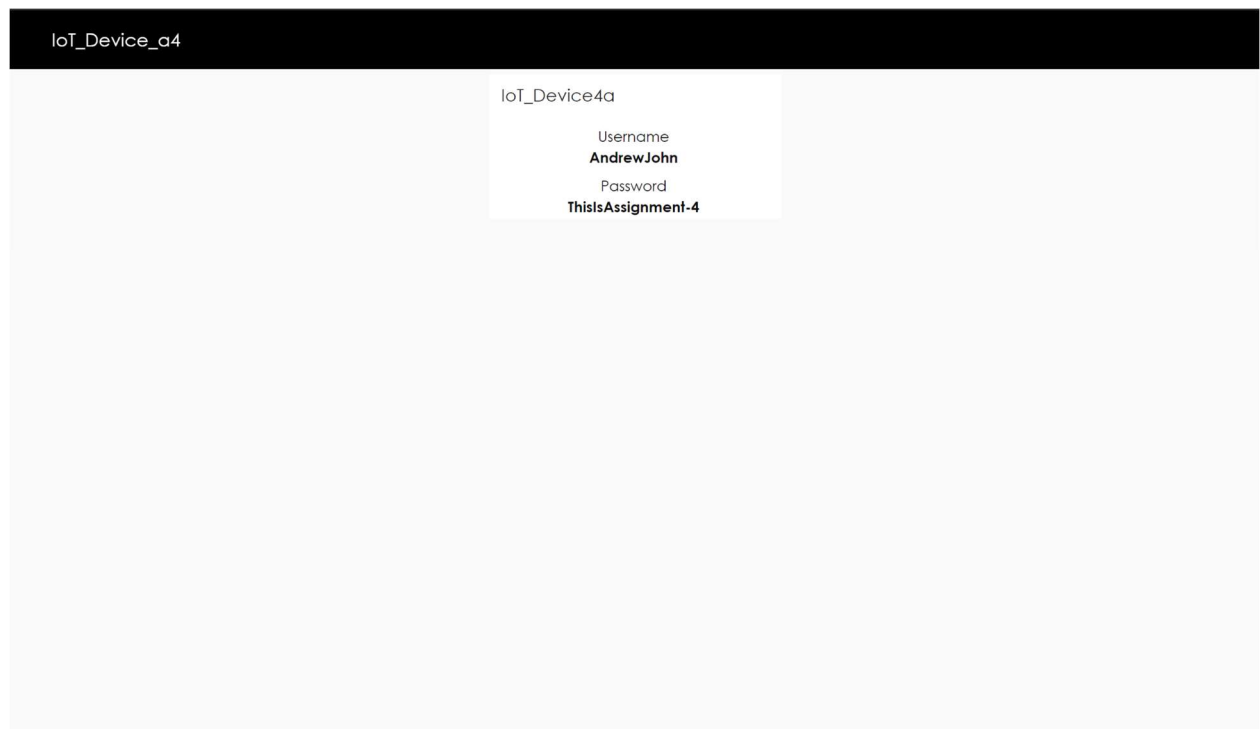


Fig-2: Node-RED UI Dashboard

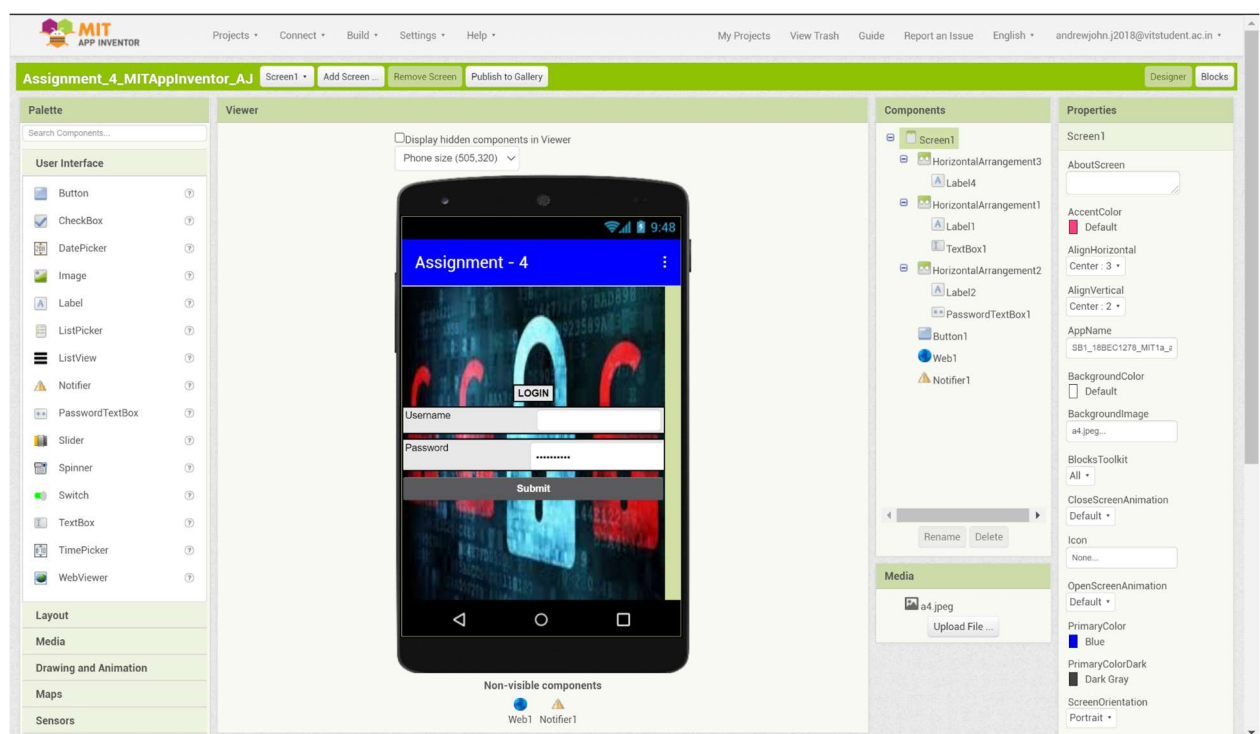


Fig-3: MIT App Inventor Designer

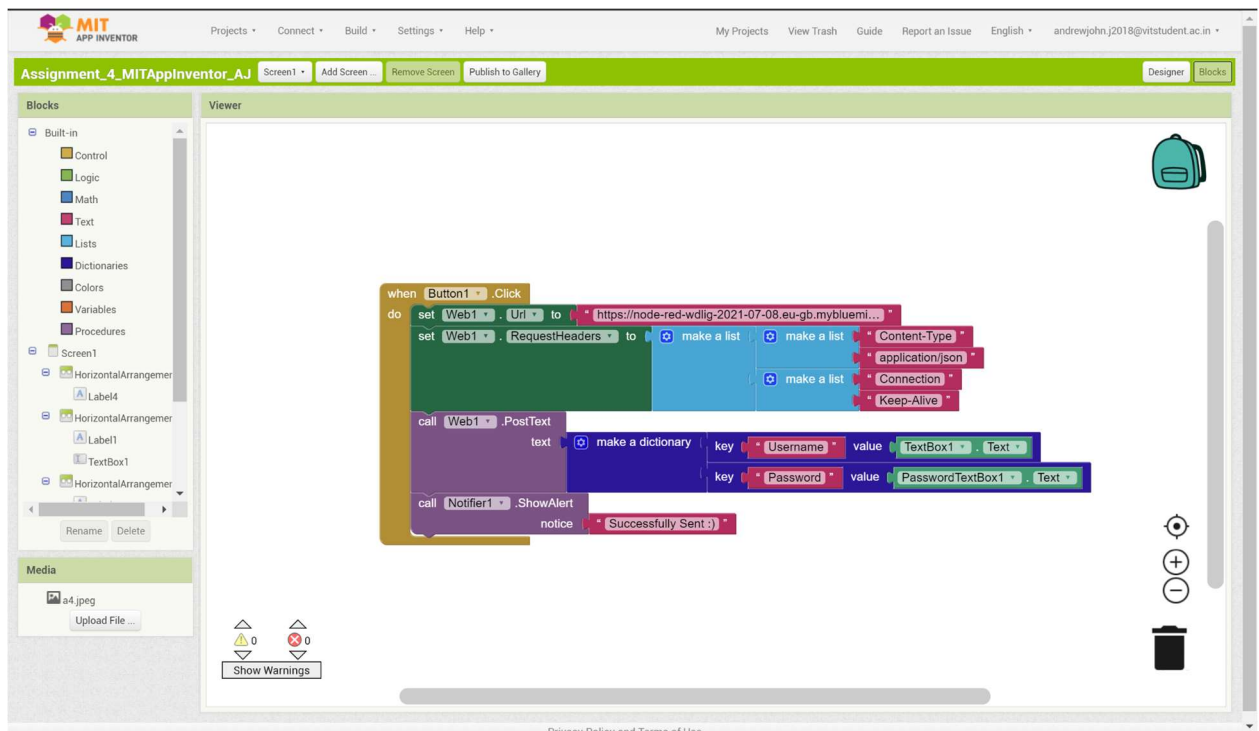


Fig-4: MIT App Inventor Blocks

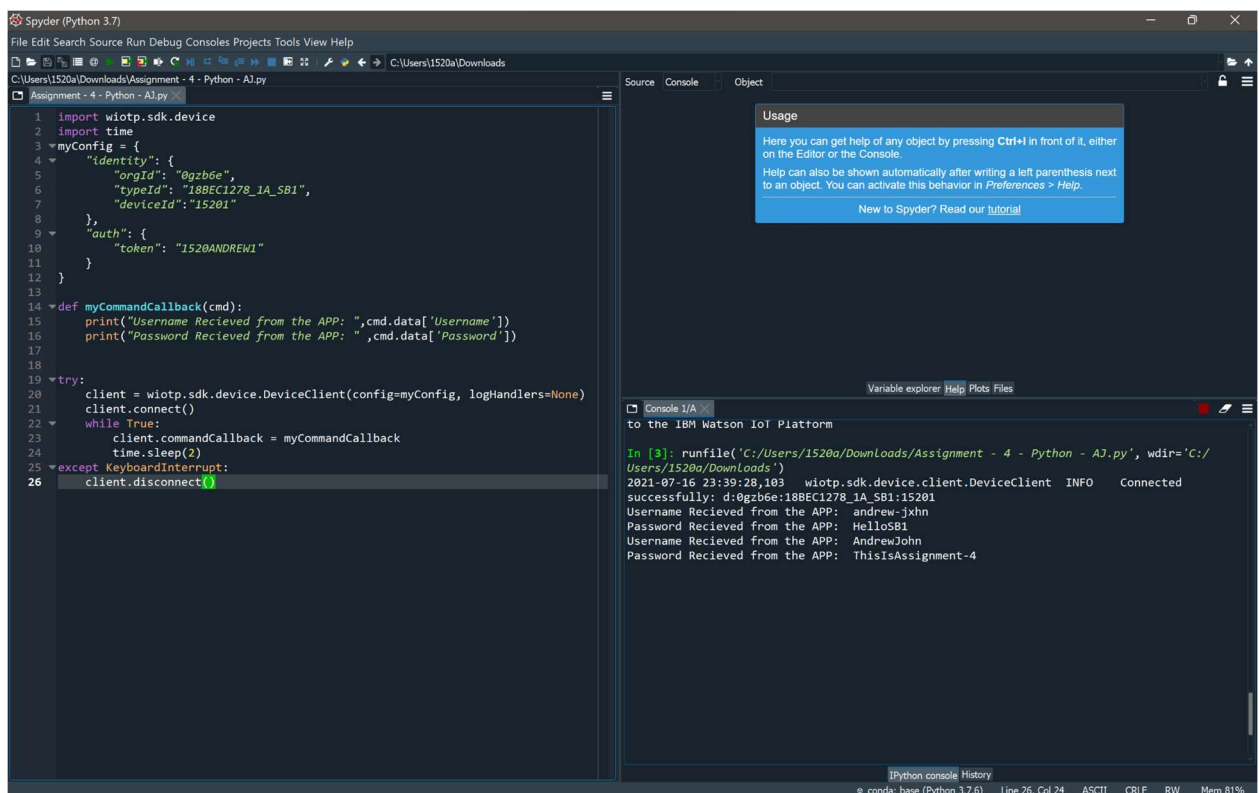


Fig-5: Python Code

```
Console 1/A X
to the IBM Watson IoT Platform

In [3]: runfile('C:/Users/1520a/Downloads/Assignment - 4 - Python - AJ.py', wdir='C:/
Users/1520a/Downloads')
2021-07-16 23:39:28,103   wiotp.sdk.device.client.DeviceClient   INFO   Connected
successfully: d:0gzb6e:18BEC1278_1A_SB1:15201
Username Recieved from the APP:  andrew-jxhn
Password Recieved from the APP:  HelloSB1
Username Recieved from the APP:  AndrewJohn
Password Recieved from the APP:  ThisIsAssnment-4

Python console History
conda: base (Python 3.7.6)   Line 26, Col 24   ASCII   CRLF   RW   Mem 84%
```

Fig-6: Python Console

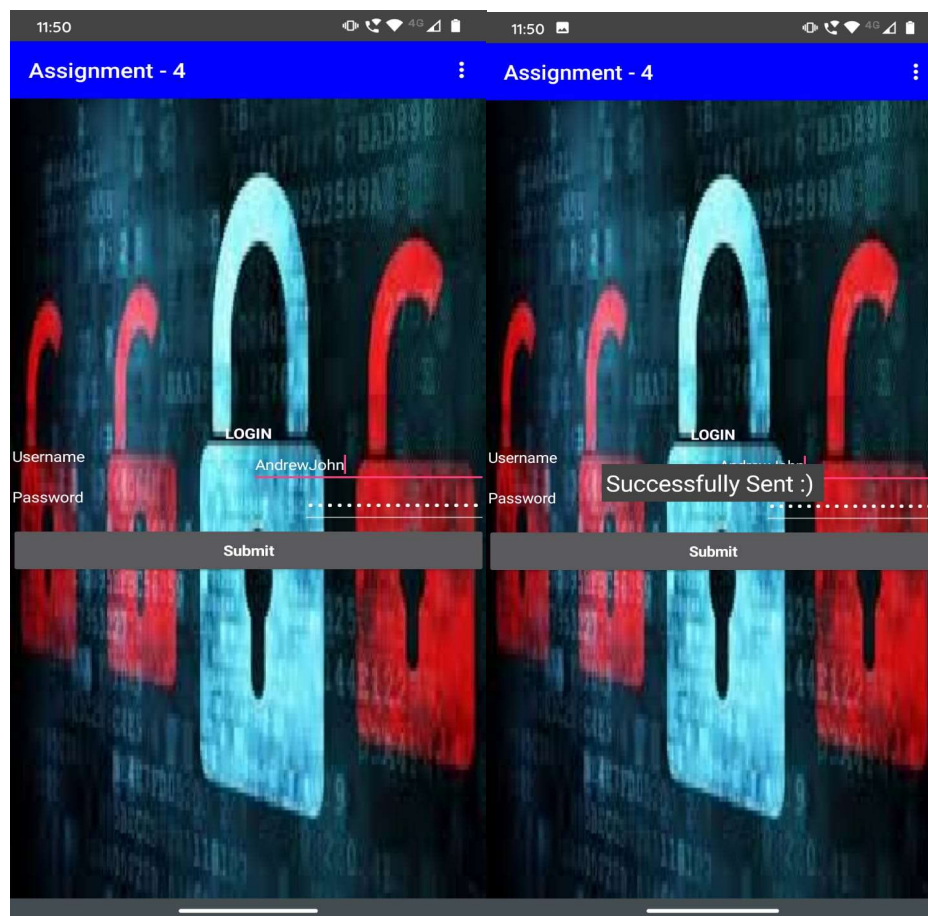


Fig-7: MIT App Inventor APK App