Lab3

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MonkeyCanCode edited this page 2 days ago · 1 revision

Source Code

Video

Introduction

For lab 3, we created an Android app that will retrieve data from sensor via Arduino through WIFI module and display data as a graph.

Objectives

The objective for this lab is for us to practice our skills on creating Android APP that can work with Arduino and associated sensors/modules.

Member Contribution

We did this one together, so each member will have same contribution.

Approaches/Methods

- Created circuit board with Arduino that can read data from sensor and transfer via WIFI module
- Create Android APP with MIT APP Inventor that can pull data from HTTP GET method via Internet.
- Generate graph based on data retrieved

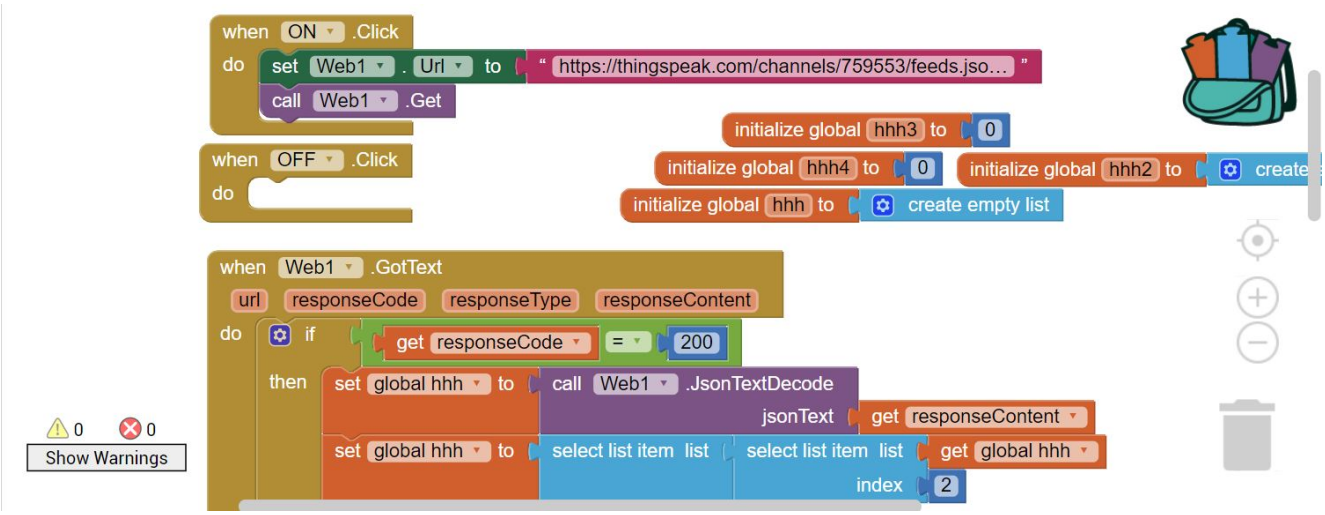
Workflow

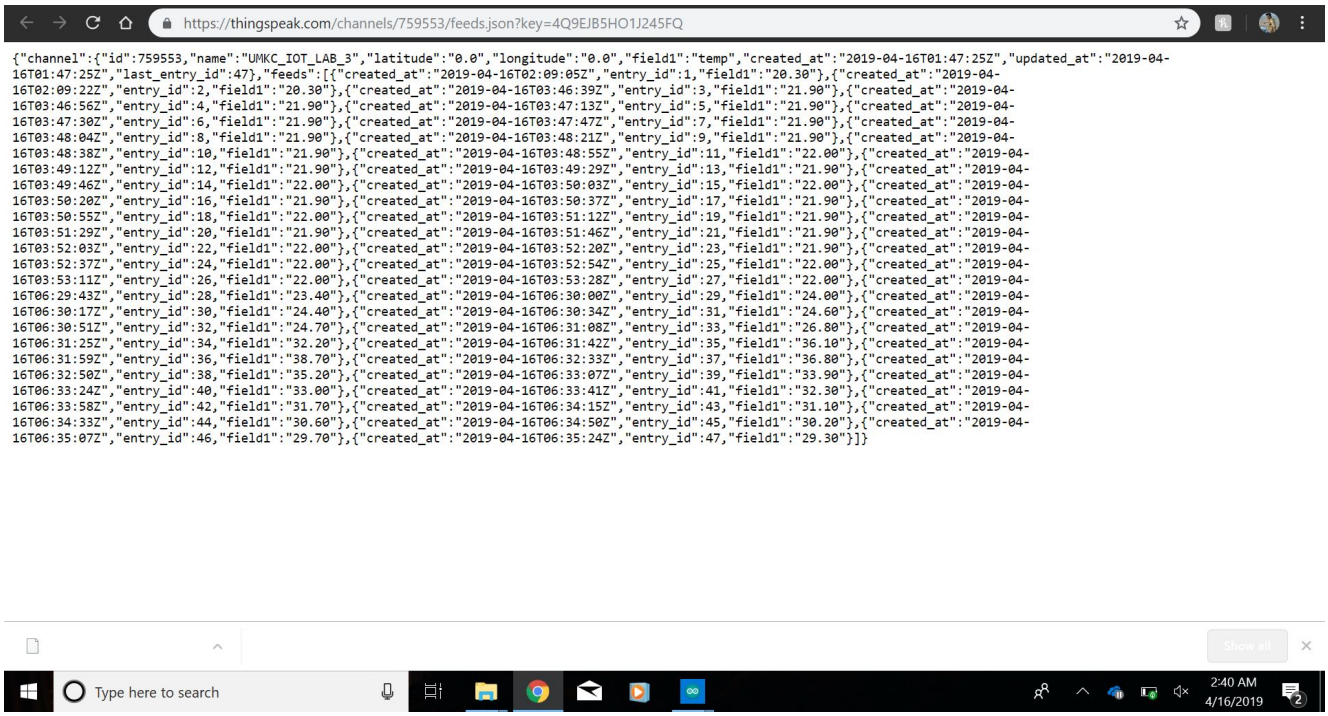
Same as above.

Circuit Diagram

Same as previous Lab/ICPs.

Additional images





Evaluation & Discussion

We spent a good amount of time on the Android part as we are not familiar with the code block used by MIT APP Inventor.

Conclusion

From this lab, I reviewed all of the materials I learned for previous lectures.

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https://github.com/MonkeyCanCode/IOT.wiki.git
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