Adrian Ruiz

CPE 301

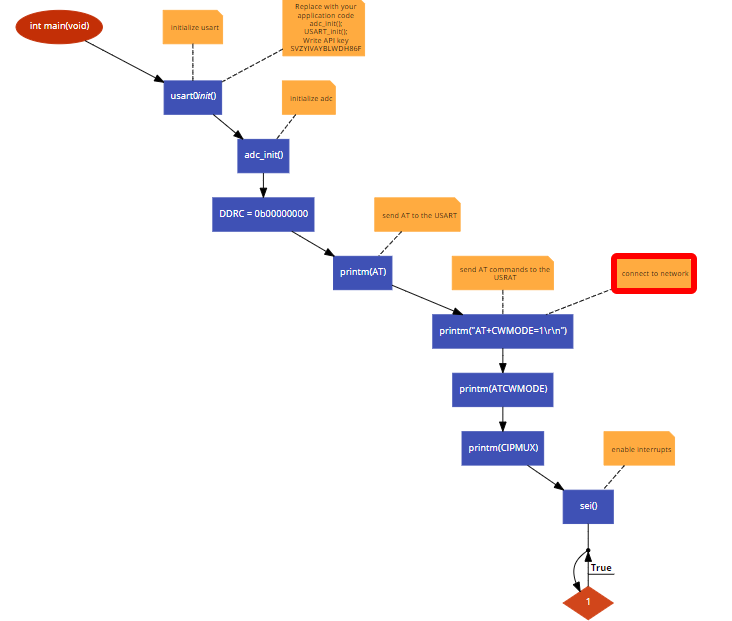
Midterm Report

Flowcharts

ISR

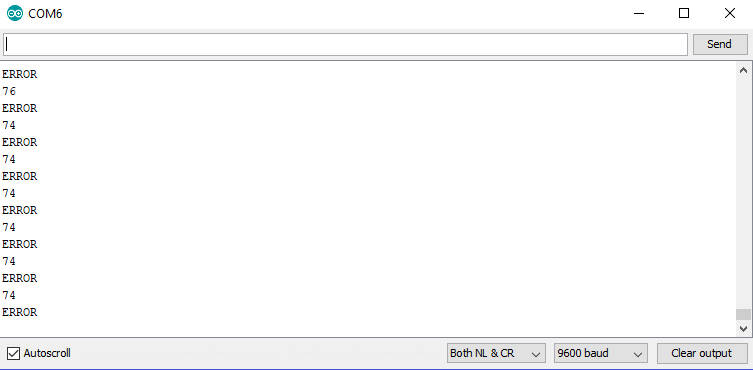


Main

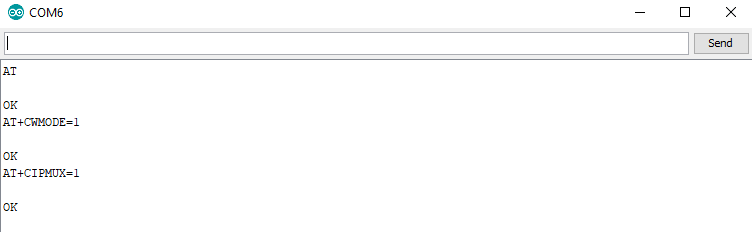


Tasks

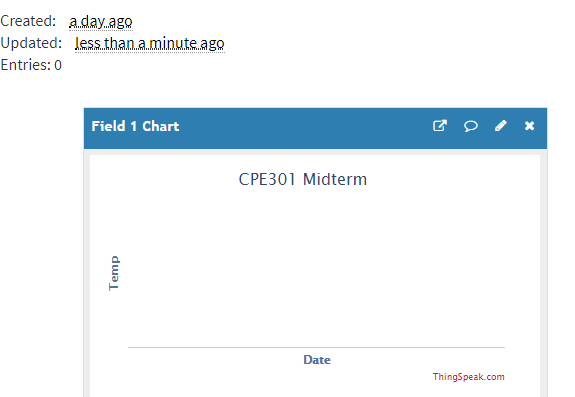
1 and 2.I programmed the Xplained mini to read in a temperature and display it to the UART. The reason why is displayed under the temperature is because I flashed my WI-FI to take in AT commands



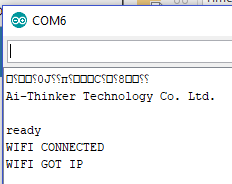
3.WIFI Module taking AT Commands



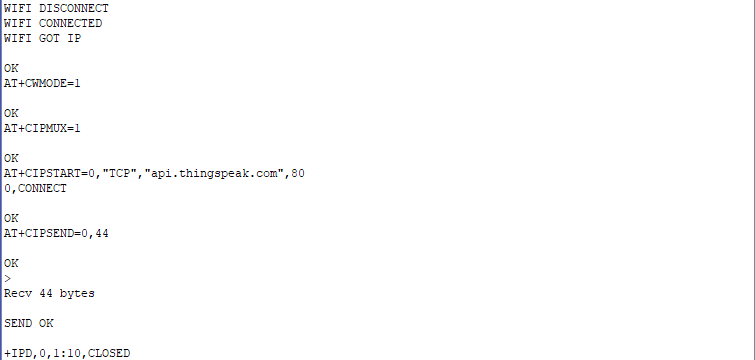
4.The Thingspeak channel before data is sent



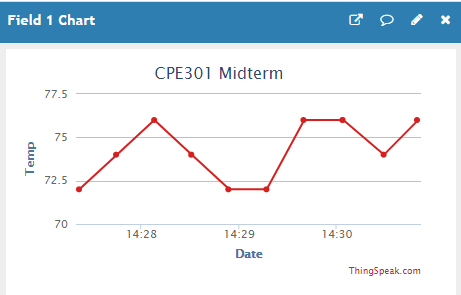
WI-FI module Reset



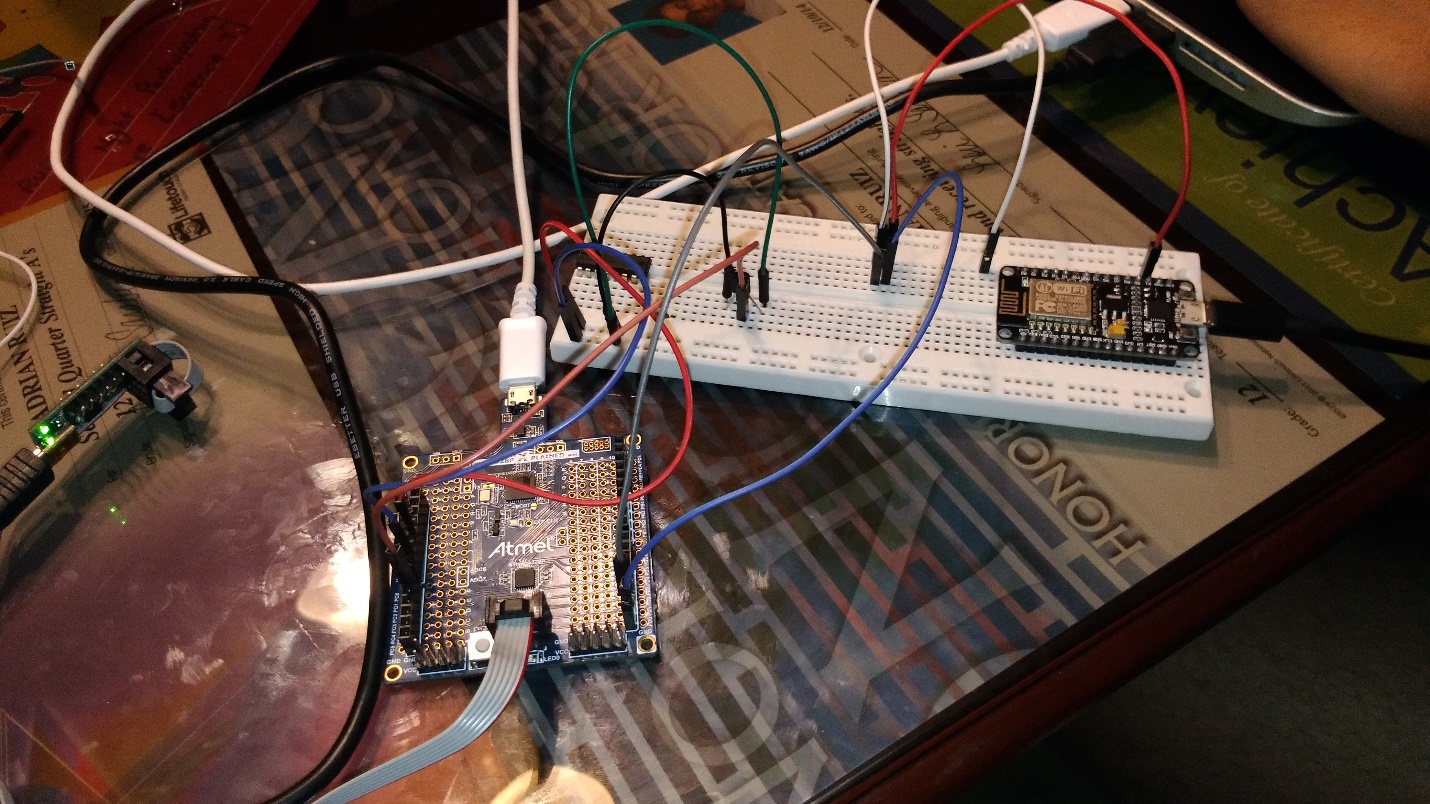
5.At Commands sent through the UART



6.Thingspeak after several minutes of running



Circuit Picture



Video link: <https://youtu.be/8PwgL9t5hFQ>