Preliminary Design Review

Team Avocado Weatherbox (EE296)
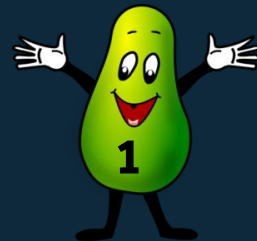
Overview

- Work Distribution
- Block diagram
- Progress
- Problems/Issues
- Upcoming Tasks
- Timeline/Schedule
- Questions

Work Distribution

- Rammell & Sharmaine: Hardware
  - Breadboard
- Clyde: Software
  - Eagle, Codes

Block Diagram
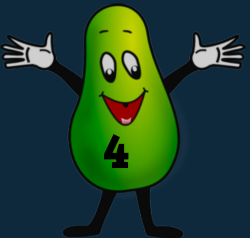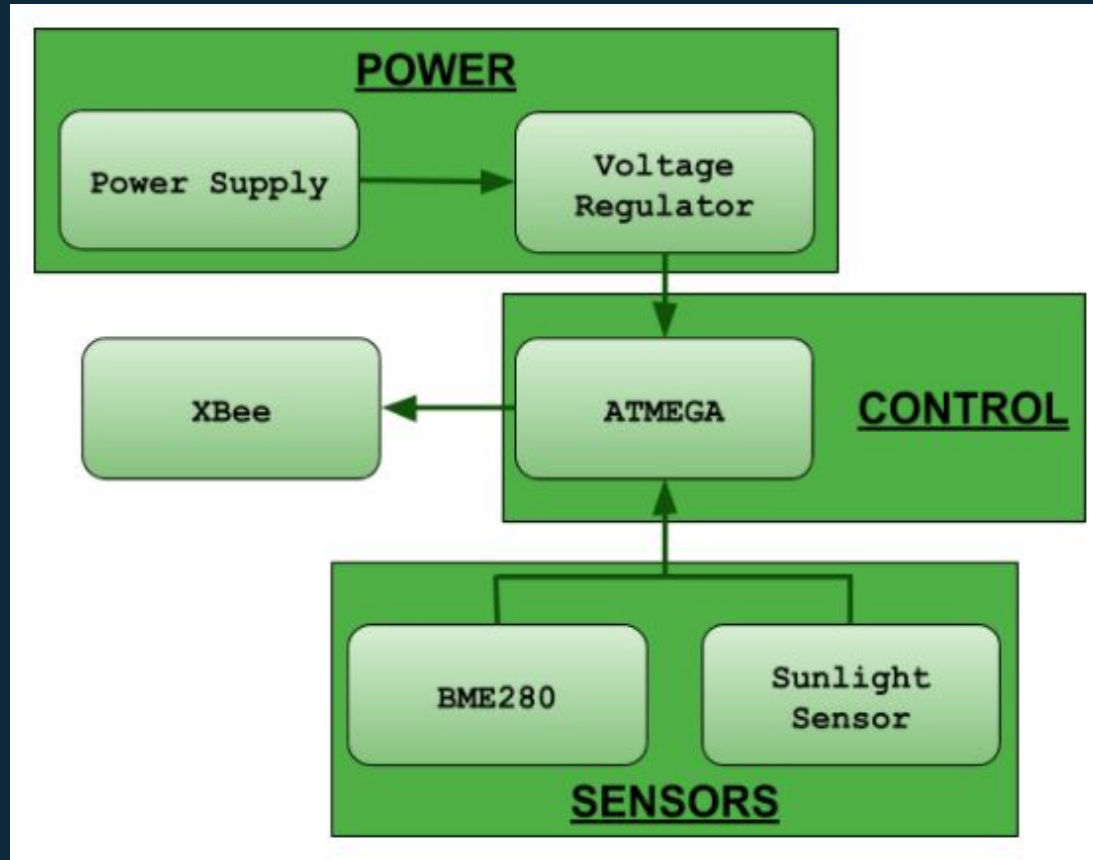
Progress

- XBee Tutorial
- Eagle Tutorial
- Received parts
- Schematic
- Currently working on Arduino breadboard

Schematic

Problems/Issues

- XCTU Issues
  - Buggy
- Old Schematic
  - Implementing new sunlight sensor/BME280
  - Bare Arduino

Upcoming Tasks

- Eagle library with own parts
- Schematic
- Breadboard
- Program sensors together
- Design PCB
- Housing

Timeline/Schedule

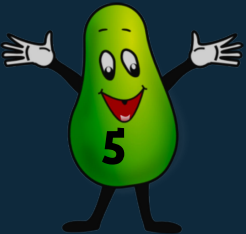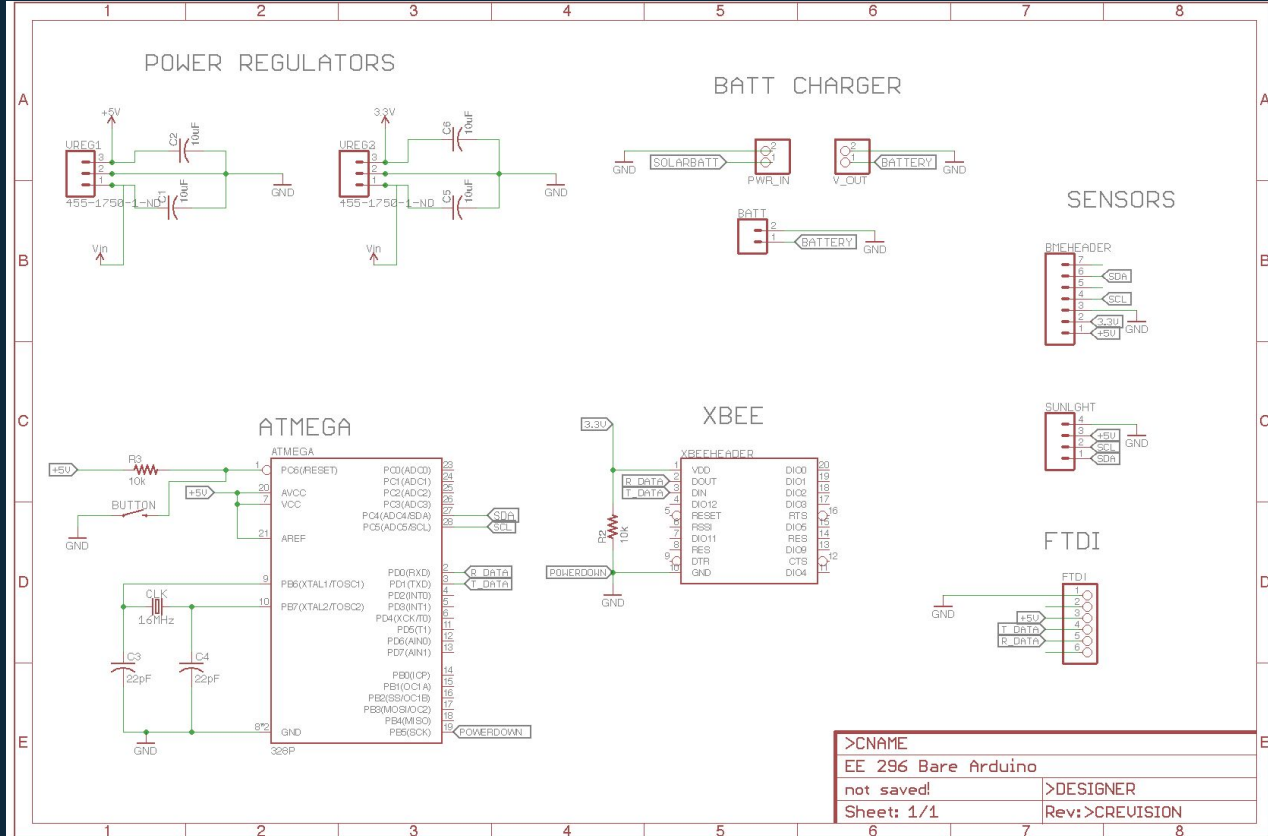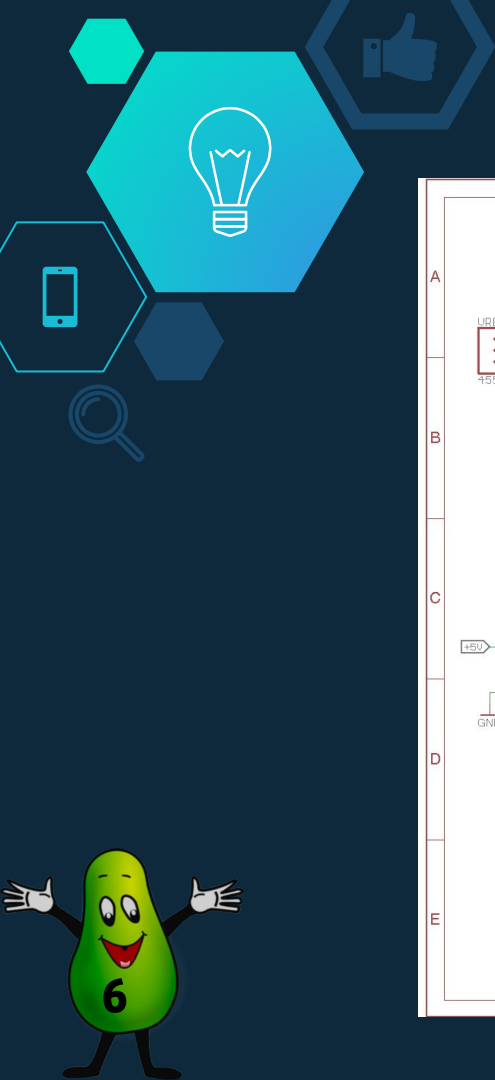|	Week 1				Week 2			Week 3			Week 4			Week 5		Week 6		Week 7			Week 8		Week 9		Week 10			Week 11		Week 12		Week 13		Week 14		Week 15	
Clyde F., Rammell T., Sharmaine J.																																					
Day	1/16	1/18	1/23	1/25	1/30	2/1	2/6	2/8	2/13	2/15	2/20	2/22	2/27	3/1	3/6	3/8	3/13	3/15	3/20	3/22	4/3	4/5	4/10	4/12	4/17	4/19	4/24	4/26	5/1	5/11
Tutorials																														
Arduino																														
Github																														
Eagle																														
Presentations																														
Proposal Presentation																														
Preliminary Design Review																														
Critical Review																														
Final Presentation																														
Modules																														
BME280 Sensor																														
Solar Irradiance Senor																														
Microprocessor																														
XBee																														
Charging Circuit																														
Battery																														
Solar Panel																														
Build																														
Eagle Schematic Design																														
Design PCB Layout																														
Software/Code																														
Breadboarding																														
Testing/Debuging																														
Final Report																														

¿? QUESTIONS?