Met with our advisor Maruf at 1:30 to get a better scope of our project

Budget is $250

Determine exactly what to buy for digikey tonight

Project start - RasPi, NPK sensor

Frontend UI is being thought out and developed

The language to build the UI in is determined

Making a spreadsheet for the parts that we need

Transiever module is from sparkfun

**Why we chose RasPi** 4

Python support rather than a low level language like C

4 is cheaper and easily available

3 is hard to find so 4 is the perfect fit

Choosing this over arduino networking is easier and its more plug and play Pi has better GUI and an operating system unlike the arduino

Purchased from sparkfun because cheapest option

4gb version because blake had a hard time getting OS onto 1gb version

Looking into renting the Pi to save money

**NPK sensor**

Determined as our next large purchase because its compact measuring

Nirtogen Phosphorus and Potasium

**Soil moisture sensor**

To start things off with the Pi

We want to determine how to get the first sensor set up before we expand into more sensors

**Converter**

Npk sensor specific