

PlantMinder



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Overview



- Problem
- Importance
- Solution

Requirements

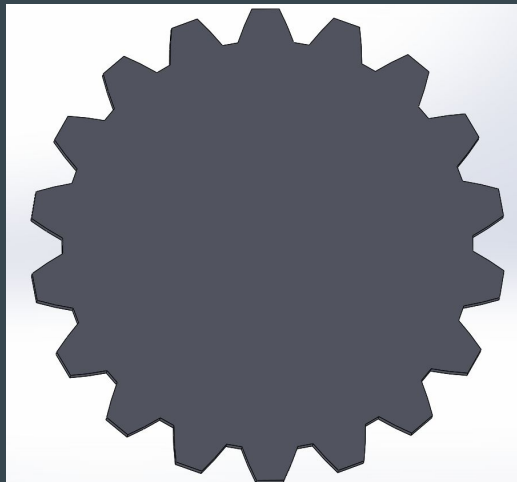
Hardware

- Woods
- Valve
- Hose
- Servos
- Arduino + breadboard
- 3D Printer

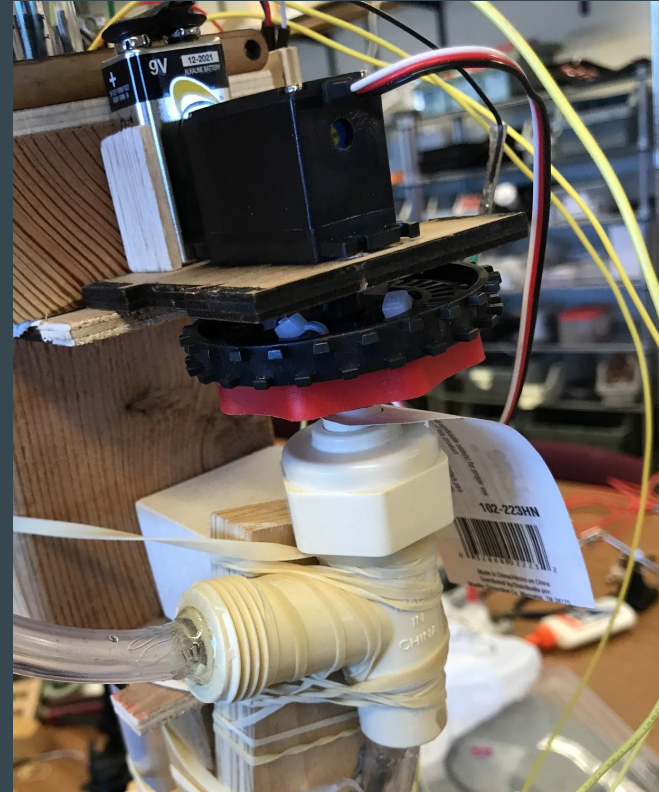
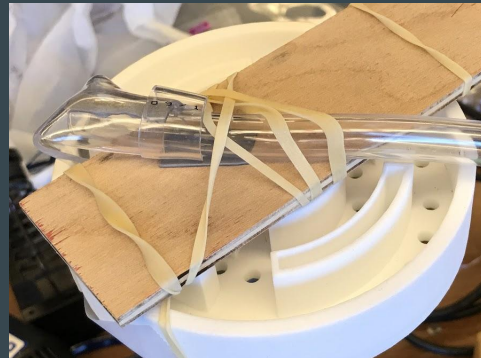
Software

- Arduino
- Solidworks

Hardware Architecture



Hardware Architecture



Software

Moisture Sensor



Demo



Challenges

- Servos
- Gears
- Tube flexibility
- Moisture sensor inaccuracy
- Short on time

Looking Back

- Should've been prepared for mishaps
- 3D print sooner

Moving Forward

- 3D printing the main structure would allow for a smoother construction
- Find more flexible tubes
- Change out the valve to be an electrical valve to not rely on our own constructed valve turner (the servo)

Questions?