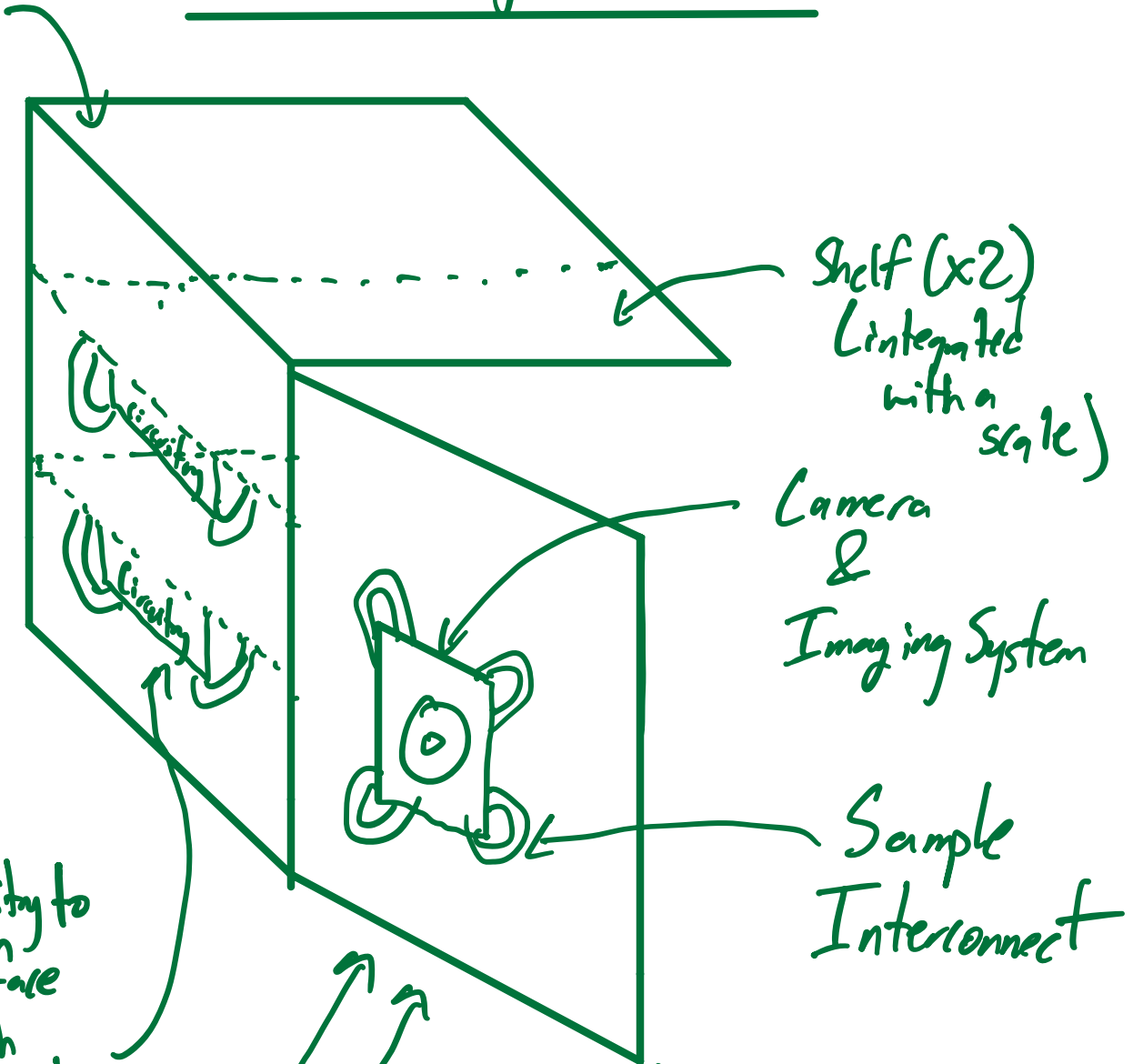


# Planned Design Sketch

Outer  
wood  
Structure



Shelf (x2)  
(integrated  
with a  
scale)

Camera  
&  
Imaging System

Sample  
Interconnect

Circuitry to  
interface  
with  
backend  
||  
Arduino

## Cloud-Based Integration

- Database for storing user data
- Computing & storing nutritional info

## Visual Detection Algorithm

- Detection of input food source
- Recognizes/learns input, updates database as needed

