

What were the outcomes of the prior phase?

1. What did I plan to do?
Get my part of the technical paper completed. Complete subsystem demo with guide and customer. Ensure all materials are purchased and BOM are up to date. Continuously work with the rest of the team to provide support in areas that are needed. Finish most of the system build so we are ready for plant growth.
2. What did I actually do?
Ordered the pH down, additional nitrate test kit, and net cups. Tested the system for flow rate, stability, and filter. Demonstrated the system and design to our customer and guide and obtained feedback from them regarding planting from seeds.
3. What did I learn? How were plan and reality different?
With the addition of all the stones, the tub is heavy without any water. The water does flow up through our tube and into the 5-gallon buckets. Some leakage was discovered but quickly resolved with some tape to seal.

Team level goal for next phase

Stay on track for full systems demo. Test with plant growth and maybe goldfish. Drill the holes in the PVC plant bed, fill with water, attempt to grow lettuce from seeds, and continue to track any obstacles that come up along the way.

What do I plan on doing to ensure that my team has a successful review at the end of the next phase?

Ensure all materials are purchased promptly and BOM is up to date. Continuously work with the rest of the team to provide support in areas that are needed. Contribute some ideas and solutions for any potential issues that may come up.

What is standing in my way of meeting my next phase goals?

Uncertainty on whether the lettuce will grow from seeds. Unsure if flow rate is sufficient enough to aerate water for fish vitality. Not knowing when the nitrogen cycling will be complete and whether it will successfully sustain plant growth.