**Conclusion**

Next quarter, we are planning on installing the light system for our enclosure which will be held up by a winch and pulley system. We are also planning on building the exhaust system, complete with a 3-4 inch inline fan. In order to control the temperature and humidity of the project, we will begin controlling the exhaust fan as well as a dehumidifier. We have already purchased solenoid valves for our pH and nutrient release system and plan on connecting those to our water reservoir. Lastly, we will begin image processing using a webcam with the Raspberry Pi. Most of our time next quarter will be spent integrating all of our individual systems.

If time permits, we would like to add an LCD screen to our enclosure so that someone can control the parameters of the system without having to go on the website. We also would like to add a carbon dioxide sensor as well as a water level sensor in the grow tray. Lastly, we’d like to have the oscillating fan move with the light system so that the fan remains focused at the central height of the plants perpetually.

We believe that we are on track for completing this project. We finished all of our goals for this quarter. Our main concern is the lack of external funding for this project. We are hoping to be able to get some sort of funding so that we don’t have to pay everything out of our pockets.