October 7, 2022

FOCUS

building (Group 1): Building arm prototype out of not cardboard

building (Group 2): Lazy Susan platform

building (Group 3): Building Chassis

coding (Group 1): Documentation of driving library

business (Group 1): PR packet, email template, send emails, business plan/budget proposal

SUMMARY

building (Group 1): We finished making the the structure/skeleton of the arm out of aluminum pieces. We planned out the rest of the prototype and the materials we are going to use.

building (Group 2): We started constructing a lazy susan. We made a platform out of cardboard, and attatched a motor.

building (Group 3): We made all the L brackets for one robot. We attached all the motors and some of the wheels.

coding (Group 1): We started documenting and commenting on old driving library code to get a better understanding of how it worked.

business (Group 1): We finalized the PR packet and the email templates, then sent out most of the emails to potential sponsors (except for past sponsors and parents). We also started the budget proposal and did the budget spreadsheet

CHALLENGES

building (Group 1): Cuts of the metals are janky and uneven because of the machine thing and there are a lot of loose parts

building (Group 2): The metrics on the parts were different, and the parts did not line up well. It took a while to fit the parts together.

building (Group 3): The lazy susan is quite big - we may have to make the chassis bigger or reconfigure the motors at a future time. Or get a smaller lazy susan!

coding (Group 1): There were a few variables/functions that we didn't understand yet because there were no explanations for them, so we spent a long time trying to figure out what it meant.

business (Group 1): We struggled with calling some sponsers and we overcame it in the end.

NEXT STEPS

building (Group 1): Longer arms, attach claw, attach motors and gears

building (Group 2): Continue constructing lazy susan, testing spin, add grease, put motor onto the opposite side of the lazy susan from where it is now so that the arm can be connected to the metal bars (use square brackets to wrap the connection around to the top side that has the bars from the bottom side)

building (Group 3): Attach final wheels, and maybe dremel off some of the hex shafts off of the wheels. Tighten all nuts on L bracket

coding (Group 1): Learn strafing/strafing math, keep documenting driving library (and eventually auton library)

business (Group 1): Grant application, publish vlogs, work on budget proposal