Project Proposal

This project will implement different maze finding algorithms both physically, with a pi-bot, and virtually, with a random maze generator.

* Phase 0: Create GitHub, Google drive, and research what hardware and software will be needed. Create rough schedule for group and individual work.
* Phase 1: Get parts to build the robot ordered and start research with circuits, and the virtual implementation.
* Phase 2: Construct robot, get one maze finding algorithm running on the bot. Begin work on virtual implementation.
* Phase 3: Add second maze finding algorithm to be compared onto the bot and finish the virtual implementation.
* Phase 4: Add optional features, if time permits, such as replacing IR sensors with Ultrasonic sensors and compare results to see which runs were faster.
* Phase 5: Add finishing details to presentations, practice and rehearse.
* Phase 6: Wrap up presentation, make sure all hardware is functional and charged to present.