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28 October 2024

Practicum Team 1

Meeting runtime: 4:00 PM - 4:35 PM

Agenda:

- Finalize and submit Decision Matrix/AHP, Preliminary Schematic
- Schedule walkthrough of Git/GitHub and setting up Git Repository
- Next steps: HW Wk 06, next Thursday (11/7)
    - Breadboarded prototype
    - Project schedule: Gantt chart
    - Updated schematic (probably already at this stage per the requirements, but we can finalize it this week if we have time)

Summary:

- Decision Matrix/AHP, Preliminary Schematic Submitted
- Git Meeting: (insert date/time)
- Next steps: HW Wk 06
    - Project Schedule (Group):
        - Create a comprehensive project schedule for your term project using a project scheduling tool. This includes Microsoft Project, Ganttproject, ProjectLibre, any other program or SAAS scheduling tool. A spreadsheet is not an acceptable scheduling tool!
        - Start at the beginning of the term. Mark tasks that are complete if possible.
        - Use hierarchy and concurrent engineering, and adhere to the guidelines for schedules as described in class (tasks 5 days or less, succinctly described, etc).
        - Tasks must have dependencies, and you should think about adding sprints if you're doing sprints, or "phases" if not.
        - Make sure your schedule has been reviewed in a team meeting and that all project team members have approved it.
        - Extra credit: Add your team as resources. Try to perform balancing and load-leveling.
        - Post the schedule to your collab site and upload it as a PDF to Canvas. Be sure to identify the project management application you're using.

    - Updated Schematic and Preliminary Layout (Group)
        - Your schematic should now be much closer to completion.
        - Your preliminary board layout should have all of your major components on it, including power supply, sensor, controller, and actuator. It should have a vaguely reasonable board outline. It doesn't have to be fully

routed, or even halfway routed, but components should be grouped together, and components should be put in sane places.
        - And, of course, make sure this is checked in under version control!
        - Submit it in TWO WAYS:
            - Print a PDF of BOTH your updated schematic and your preliminary board layout and upload it to Canvas.
            - Enter a URL to your collaboration site to the folder where your schematic and layout files are checked in.

- Show off Your Breadboard Prototype (Group)
    - By now, you should have a breadboard prototype. This means some kind of off-the-shelf collection of wires and jumpers and breadboards and it probably looks like a mess. Celebrate your engineering mess by taking a picture of this and posting it to your collab site. Bonus points: write up a short, current status report of your project with the picture in the status report. More bonus points: video of something vaguely working, like lights blinking.
    - Submit as an URL to your picture / status update on your collab site.