

Thursday

April 9, 2020

- Scheduled Zoom meeting w/ instructors @ 8:30 am
- live or recorded demo of individual team member tasks
 - by next week
 - simulate inputs/outputs from other systems
 - unit tests
- When pi gets delivered: pick up sensors from Baltazar

Wednesday April 15, 2020

• Team meeting (Zoom)

• ~~Unit Testing~~ System Demo → Tomorrow morning

→ Assemble sensors + pi into obstacle detection (w/ motors)

10:00 p.m.

→ 2 sensor system connected to motors can detect obstacles

~~Video~~ • can show video tomorrow

→ need to get accel + gyro sensor to read distance

Thursday, April 16th

• Instructor team meeting

- discussed demoflow

- demo plan for next Tuesday (video) & next Thursday (final, live demo)

⇒ peer review

Sunday, April 19th

• Worked on indoor hardware system

→ can read accel. + gyro data

• Attempted to add 3rd ultrasonic, but I don't have enough GPIO's → don't have a proper breakout board

Tuesday, April 21st 2020

• 4:00 p.m.

• Got my demo videos recorded (voice over added)

• GPIO.IN pins can only get high/low values.
→ adds noise to ultrasonic sensors

Wednesday, April 22 2020

- Team meeting on Zoom
- discussed presentation order
- what should we live demo v.s. video demo?
 - Live: Sensors, app
 - Video: camera
- Added distance ~~sensors~~ functions to cut-off detection radius of sensors
- I will share my screen and ~~at~~ show the obstacle detection → Baltazer will speak
- I will share my screen for the indoor nav. hardware

Thursday, April 23 2020

• Zoom Watch Party

Tuesday, April 28 2020

• Re-recorded a clearer demo for "Pitch video"

Friday, May 1 2020

- Completed Implementation, Results, User manual sections for indoor nav. hardware
 - Also did user manual section on RPi3 setup.
- Turned in materials