

Tuesday February 25, 2020

- Team Meeting (w/instructors)

- discussed hardware and software specifics
- specific plans (drawings)

- Found old parts

- 3 pi cameras

- 2 ultrasonic sensors

- Rpi

- case

→ test components to see if they work

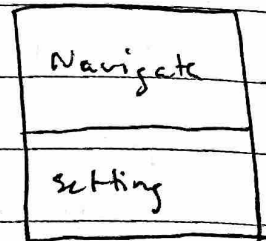
Thursday February 27, 2020

- Team meeting (9:00 a.m.)

- Needs for IOS app:

- settings (user choice)
- Navigation

Main screen:



- Needs for app Navigation

- stack of destinations

- recent on top

- swipe to select and confirm

- distance to destination

- Take cover option?

- closest building

- some kind of step counter

- to get accurate location

- audio feedback or haptic feedback

- Needs for app Settings

- feedback type

- Goals for next 2 weeks (before CDR)

- Software: frames setup

- Hardware: "shell" → get it setup

- component testing

- range of ultrasonic

- clarity of cameras

Tuesday March 3, 2020

Scheduled team meeting

Sunday March 22, 2020

- Zoom team meeting
- Notes from Baltazar from team leader meeting
 - find more RPIs
 - sanitization policy
 - Possibility of going full software
- Shawn: using apple maps for app → trouble accessing specific information steps
 - try google maps
- expanded Bibliography → March 26.
 - 4 more each
- CDR- using Zoom(?)
 - ~~Mid~~ Midnight 24th
 - Sensor tests?
 - Report due 31st
- Jon has the pi → testing gps, ultrasonic, cameras
- Baltazar has an arduino he can use to test haptic motor, gyroscope
- Matthew and I will work on the bulk of power point
- Shawn has been working on IOS app

Monday March 23, 2020

• Worked on CDR slides → Validation

→ Testing and demonstration

→ System level design features

• Test and validate:

- Obstacle Detection

 - ultrasonic + vibration

- Outdoor Navigation

 - App + feedback

- Indoor Navigation

 - Gyro on pi + app ⇒ feedback

- Emergency Contact

• Begin slides

Tuesday March 24, 2020

- Finished slides
- recorded voiceover &
→ sent to Baltazar
- created team logo in google docs drawing

March 26, 2020

Thursday

• CDR watch party

Tuesday March 31, 2020

- Zoom team meeting (4:00 p.m.)

- Discussed division of CDR report

 - same as division of slides

- Project work progress:

 - App is on a good track

 - most of navigation ready to test

 - Behind on hardware

 - look into getting extra pi so work can be split up more easily

 - look into IOS development for windows

 - virtual machine?

- Wrote sections for CDR report on overleaf