

Engineering Notebook
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Date	Notes
1/11/2024	<ul style="list-style-type: none">• First meeting back; wrote up notes from final Boeing presentation last semester and discussed semester goals as group• Essentially got assigned as working with and exploring flipper zero• Started discussion on editing vision statement
1/16/2024	<ul style="list-style-type: none">• Finished + submitted vision statement -> submit• Reorganized files in github
1/18/2024	<ul style="list-style-type: none">• First meeting back with boeing: typed up and added notes to shared drive• Rerequested access to capstone lab• Finalized and sent out new equipment list for approval
1/23/2024	<ul style="list-style-type: none">• Reached out to boeing and got them to approve list• Was waiting on SD card for my flipper zero so read through flipper zero documentation• Downloaded qFlipper on desktop and Flipper mobile app
1/25/2024	<ul style="list-style-type: none">• Connected flipper to mobile app and updated firmware• Researched flipper's BLE capabilities
1/30/2024	<ul style="list-style-type: none">• Found several github resources for BLE spam• Download flipper xtreme firmware from github onto flipper zero and was able to perform spam attack• Spent some time looking through the firmware github files and flipper files in desktop app trying to help understand but nothing useful yet
2/1/2024	<ul style="list-style-type: none">• Meeting with boeing• Research into editing the github firmware but largely unsuccessful
2/5/2024	<ul style="list-style-type: none">• Editing SDS• Editing SRS• Submitted SDS• Submitted SRS
2/6/2024	<ul style="list-style-type: none">• Continued working on trying to be able to edit flipper zero firmware myself but still unsuccessful• Met in person with the boeing representatives and talked to them about project
2/7/2024	<ul style="list-style-type: none">• Worked on and finished sprint presentation
2/8/2024	<ul style="list-style-type: none">• Presented sprint 1 presentation
2/13/2024	<ul style="list-style-type: none">• Still working on figuring out how to edit flipper firmware. Realized

	<p>they are put into .fap (flipper application package) and I need to figure out how the flipper build tool works</p> <ul style="list-style-type: none"> • FBT is harder to figure out how to get/use than you would think • https://github.com/flipperdevices/flipperzero-firmware/blob/dev/documentation/AppsOnSDCard.md
2/15/2024	<ul style="list-style-type: none"> • Meeting with Boeing: wrote up meeting minutes and put in shared drive. • Discussed feedback from presentation • Some research into audio profiles documentation
2/16/2024	<ul style="list-style-type: none"> • Tried working more on uploading custom flipper app but still did not get anyplace
2/17/2024	<ul style="list-style-type: none"> • Updated github folders & uploaded notebook
2/20/2024	<ul style="list-style-type: none"> • Researching sample white papers/Boeing/aviation white papers • Started few test plan revisions
2/22/2024	<ul style="list-style-type: none"> • Meeting with Boeing: shifting focus from anything flipper zero to audio BT profiles • Evaluated comments on SDD & SRS v1 • Made some additional changes to test plan based off of comments from SDD/SRS
2/25/2024	<ul style="list-style-type: none"> • Submitted revised test plan
2/27/2024	<ul style="list-style-type: none"> • Added comments for SDD & SRS onto our group document to make easier fixes • Worked on SDD revisions • Worked on SRS revisions
2/29/2024	<ul style="list-style-type: none"> • Meeting with Boeing: discussed plan for rest of semester, uploaded notes • Continued working on SDD & SRS revisions to be up to date and correct all comments from last submission
3/3/2024	<ul style="list-style-type: none"> • Submitted SDD v2 • Submitted SRS v2
3/5/2024	<ul style="list-style-type: none"> • Watched other groups sprint 2 presentations
3/6/2024	<ul style="list-style-type: none"> • Made edits to presentation based on feedback from our Boeing mentors • Practiced for presentation
3/7/2024	<ul style="list-style-type: none"> • Watched other groups sprint 2 presentations presentations • Presented to Boeing & managers after class • Submitted presentation to canvas
3/19/2024	<ul style="list-style-type: none"> • Boeing employees presented for large part of class

	<ul style="list-style-type: none"> Continued research into how exactly to write a white paper/what that entails
3/21/2024	<ul style="list-style-type: none"> Meeting with Boeing; caught up with uploading meeting notes Finalized final presentation date with Boeing Picked up equipment that came in -> still waiting on most of our order :(
3/26/2024	<ul style="list-style-type: none"> Started white paper document & outlining structure and format
3/28/2024	<ul style="list-style-type: none"> Evaluated comments/feedback from test plan Continue working on white paper structure
3/31/2024	<ul style="list-style-type: none"> uploaded engineering notebook