

Weekly Status Report

Week 3

EECE 443

MCU TNC Design

David Cain

C00043561

Submittal Date: March 10th, 2020

Accomplished tasks for this week:

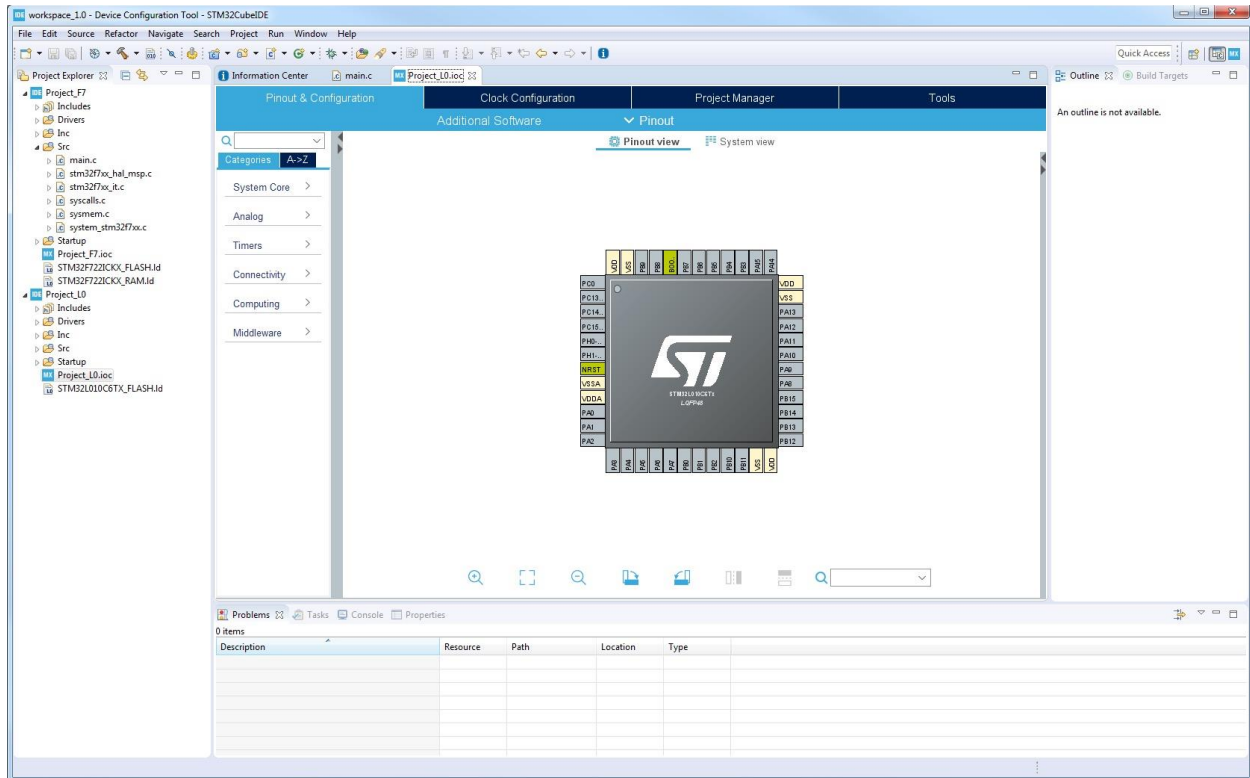
- Sent the BOM to Nolan to receive parts to begin hardware testing
- Nolan overlooked our flow chart and commented that it seemed competent thus far
- Completed ULL Cape STM32 tutorials
- Attended CAPE4 Meeting

Planned tasks for next week:

- Begin discussing software methodology
- When team receives hardware from mentors, meet with them to ensure we're comfortable with coding in the STM32CubeIDE
- Become familiar with specific hardware on the STM32 such as Schmitt Triggers

Examples of Completed Task

STM32CubeIDE Running on my PC:



Our Agreed Upon Adjustments Slide for Assignment 1C:

Adjustments

- References needed to be corrected to include the Direwolf project as a previous research of work done by others
- Included an HDLC diagram in the research of work done by others sections
- References needed to include the mentors with their credentials
- Included a AFSK diagram to visualize the modulation technique
- Included programming language alternatives and tradeoffs
- Included basic algorithm alternatives and tradeoffs
- A corrected objective tree was created to be more legible for presentations/inclusion in the paper
- Grammatical Errors

Time Sheet

Item	Date/Time	Description	Hours
1	3/3/2020 8:30pm-11:30pm	Configuring development board with PC. The intention is to be the most informed about the development environment so team member should be able to ask me questions and I can help.	3
2	3/5/2020 8pm-10pm	Kobe ran into an issue trying to design some code to use the onboard ADC for the STM32. I helped debug the code and get the ADC working	2
3	3/8/2020 2pm-3pm	Review GitHub documentation and ensure it is competent and well documented.	1
4	3/9/2020 10pm-12pm	Complete assignment 1B/1C with group members. I oversaw reviewing the suggested corrections with Kobe while Kaleb would adjust the document. I was also in charge of creating the PowerPoints for presentation	2
Total:			8