Weekly Progress Report
Capstone Team 8 RISC-V CleanFlight/BetaFlight Port

Week #16

Date: 04/20 - 04/27

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Summary:

Bliss check ins:
- Monday
    - **Done**
        - (Being sick)
    - **Doing**
        - Betaflight UART research
        - How to manually send data through the UART for testing
- Tuesday
    - **Done**
    - **Doing**
        - Betaflight UART research
        - How to manually send data through the UART for testing
- Wednesday
    - **Done**
    - **Doing**
        - Betaflight UART research
        - How to manually send data through the UART for testing
- Thursday
    - **Done**
    - **Doing**
        - Betaflight UART research
        - How to manually send data through the UART for testing
- Friday
    - **Done**

- **Doing**
  - Betaflight UART research
  - How to manually send data through the UART for testing

Eric check ins:
- Monday
  - **Done**
    - Files modified today: config_eeprom.c, init.c, main.c, source.mk, target.h
  - **Doing**
    - Porting Betaflight's user config storage process (attempting to build for K210)
- Tuesday
  - **Done**
    - Files modified today: source.mk, target.h, drivers/timer.h, init.c, riscv_flash_k210_128k.ld
  - **Doing**
    - Porting Betaflight's config storage process (still attempting to build)
- Wednesday
  - **Done**
    - Files modified today: source.mk, flash.c, init.c, target.h, config.c
  - **Doing**
    - Porting Betaflight's config storage process (still attempting to build)
- Thursday
  - **Done**
  - **Doing**
    - Working on other classwork
- Friday
  - **Done**
    - Files modified today: source.mk, init.c, target.c
    - Got BF to build today with config storage code included, but the file size is 2GB - need to figure out why
  - **Doing**

Niko check ins:
- Monday
  - **Done**
  - **Doing** Setup JTAG
- Tuesday
  - **Done** Setup JTAG
  - **Doing** Setup OpenOCD
- Wednesday
  - **Done** Setup OpenOCD
  - **Doing** Install Eclipse

- Thursday
  - **Done**
  - **Doing** Modify the linker page, otherwise getting errors from gdb
- Friday
  - **Done** Modified .ld script , JTAG and OpenOCD work
  - **Doing** Wiki on GitHub

Ruben check ins:
- Monday
  - **Done**
  - **Doing**
    - Started to flash BF using mem config settings only
- Tuesday
  - **Done**
    - Had 1:1 with Roy
    - Working on issues w/flashing BF using mem config settings only like unref links, undef variables
  - **Doing**
- Wednesday
  - **Done**
  - **Doing**
    - Still working on few issues w/flashing BF like unref links, undef variables
- Thursday
  - **Done**
  - **Doing**
    - Still working on few issues w/flashing BF like unref links, undef variables
- Friday
  - **Done**
    - Got BF to flash with minimal support for driver and features
  - **Doing**
    - The .bin file is over 2GB - It could be a mem map issue

Weekly Issues:
1. A team member had personal issues come up that took up their time during the week, limiting their capstone contributions.
2. Ex2

Notes:
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