

## 3DY4 Project Group 3 Disclosure

The table below shows the work breakdown for the final project. Each section of the project is broken into sub-sections so one can see exactly where each group member contributed.

To run mode 0: `rtl_sdr -f 95.3M -s 2.4M - | ./fm_radio | aplay -c 2 -f S16_LE -r 48000`.

To run mode 1: `rtl_sdr -f 95.3M -s 2.5M - | ./fm_radio 1 | aplay -c 2 -f S16_LE -r 48000`

**Note:** The current commit on main is a partially completed RDS that is not fully optimized. To run an optimized stereo and mono in Mode 0 and 1, please look at the commit on the *main* branch from **March 28** with the following details:

**Commit ID SHA-1 Hash:** `08f748fef9d51592b6f643433113a2cedb3ee31f`

**Commit Message:** “*Pointer Threads Complete*”.

3DY4 Project Portion	Specifics of Portion	Contributors
RPI Setup	<i>Setup</i>	Zach
Mono Mode 0 C++	<i>Refactoring</i>	Minhaj, Zach
	<i>Reading samples in live</i>	Zach, Sophie
	<i>Debugging</i>	Zach, Minhaj, Sophie, Jack
Mono Mode 1 C++	<i>Implementation</i>	Zach, Jack
	<i>Debugging</i>	Zach, Jack
Stereo Python	<i>Implementation of Stereo without block Processing</i>	Minhaj
	<i>Implementation with Block Processing</i>	Sophie, Minhaj
	<i>Debugging</i>	Sophie, Minhaj
RDS Python	<i>Implementation</i>	Zach, Jack
	<i>Debugging</i>	Zach, Jack
Stereo C++	<i>Implementation</i>	Minhaj
	<i>Adding Threading with pointers</i>	Zach, Minhaj
	<i>Debugging</i>	Zach, Minhaj
RDS C++	<i>Implementation</i>	Zach, Minhaj
	<i>Debugging</i>	Zach, Minhaj