Ian Carl

1. Specturm Analysis! Take music and do analysis of it in the frequency and time domain. Then do Realtime analysis of computers system out sounds
2. Fast Fourier Transform. Doing things in realtime. Probably will learn a new language to do this (we could do it in something we know but we want to learn GO!/Rust/something else(functional))
3. Implementation plan
   1. FFT
   2. Get system out sounds
   3. FFT on those
   4. realtime
4. Project schedule
   1. By week 2: FFT of loaded sounds in python
   2. By week 3: FFT of system out sounds
   3. By week 4: FFT in another language
   4. By week 5: FFT of system out in realtime
   5. 6: polish it up and finsih
5. Carl and Ian will probably work collaboratively on this project. We will split off and implement specific features independently. We will have weakly meetings with the other spectrum analysis group.
6. Not knowing the fuck that we’re doing
   1. Doing it in a new programming language. This is a thing that hasn’t been done before
7. Git stuff. How to do branching and merge conflicts!!!!
   1. Datastreams and realtime analysis