## CHECKLIST

**INITIAL GOALS**
- **Phoebe**
  - Edit code for FFT to suit us
  - Develop peak detection for the FFT (collaborate on this)
  - Implement instrument detection algorithm
  - Implement the auxiliary modules (debouncer, divider)
  - Add instrument info to display module
- **Elina**
  - Finish LPF
  - Design peak detection for the beats (collaborate on this)
  - Implement beat detection
  - Implement auxiliary modules
  - Add tempo info to display module
- **Both**
  - Display module design and implementation

**GOALS**
- **Phoebe**
  - Implement chord progression calculation
  - Add info to Display module
  - Work on instrument module to improve it. Research timbre harmonic graphs and display pitch of instruments.
- **Elina**
  - Work on implementing time signature detection
  - Add info to display module
  - Aid with chord progression.
- **Both**
  - Improve display module design and implementation

**STRETCH GOALS**
- **Phoebe**
  - Work on instrument module to improve it and implement specific instrument detection. Research timbre harmonic graphs.
- **Elina**
  - Implement key detection
- **Both**
  - Display module live display/staves display implementation.