

Check List:

Overall:

- √ Play a staff with several notes in front of the camera and listen to the notes after image capturing and note identification
- √ Expand the music sheet to contain more than one staff and several sheets of music (if time permits)

Jing Han:

- √ Filter Module:
 - Image displayed in black and white
 - Adjustable cut off using buttons
 - Freeze image
- √ Image Orientation Module: Adjust the paper to match the square on the screen
- √ User Interface:
 - Underline the note played

If time Permits:

- User Interface
 - Multiple instrument selector
 - Volume controller
 - Spectrum display
 - Play/Pause buttons

Lance Collins:

- √ Player: Programming with music data and listen, compare with computer output
- √ Tone Selector:
- √ Tone Parameter:
- √ Theta Memory:
- √ Note Generator (piano, Violin, Cello, Flute): scales and aggregated tones into notes
- √ Note Aggregator: Chords, play instruments simultaneously
- √ Note Amplitude Calculator (Piano, Violin, Cello, Flute):
 - ADSR functionality
 - Harmonic Relative Frequencies

If time Permits:

- Add reverberant effect to sound

Dilini Warnakulasuriyarachchi:

- √ Pixel Filter: Image displayed on the screen and compared with the ZBT image
- √ Staff Finder: Display the identified staff lines on the screen
- √ Note Finder: Display the note on the hex display
- √ Beat Finder: Display 4,2,1 (whole note, half note, quarter note) on the hex display
- √ Minor FSM: Activate staff finder, note finder and beat finder with enable signals generated by using switches

If time Permits:

- Attempt to evaluate multiple staff lines at once
- Identify chords and other musical effects such as ties, rest, crescendos etc.