

Module	Commitment	Goal	Stretch Goal
Pixel Integration	-Distinguish a quarter note on the staff	-Distinguish between quarter notes and half notes  -display graphically	-Distinguish between more than two notes (i.e. sixteenths, eighths, quarters, half, wholes, etc.)  -allow recognition of notes of different sizes (i.e. zoom of picture is not required to be fixed)
Display Image	NA	-read .coe file stored in bram	-allow for different size images to be displayed
Notes	-Provide a tone assuming key of C major	-Provide a tone for notes that lie on the ledge lines (staff)  -Changes accidental (sharp vs flat) depending on key signature that is provided by user	-Provide a tone for notes that go off the ledger lines.
Timing	NA	-Assigns appropriate time value to each note based on tempo (fixed)	-read time signature  -allow for tempo to be a user input (not fixed)
Erode	NA	-Correctly erode away pixels with a 3x3 kernel  -interfaced with controls and brams	NE
Dilate	NA	-Correctly expand shapes with a 3x3 kernel  -interfaced with controls and brams	NE

Line detection/duplication	NA	-correctly detect staff locations when given a column to look down to  -output 9 line locations for note detection	-allows the user to use a cursor to select starting column
Line erase	NA	-correctly erases all staves	NE
Note Detection	NA	-detect vertical position of note heads (i.e. pitch)  -sequence the notes from left to right  -interface to the controls correctly	-save notes to bram instead of a short array of registers
Control FSM	NA	-Iterate through processing  -accept user inputs (key signature)	-allow user to choose where staff detection occurs

NA = NOT APPLICABLE. Module must work in order for baseline project to work (i.e. commitment = goal)

NE = NO EXPANSION. Module is not suited for expansion that adds functionality to project