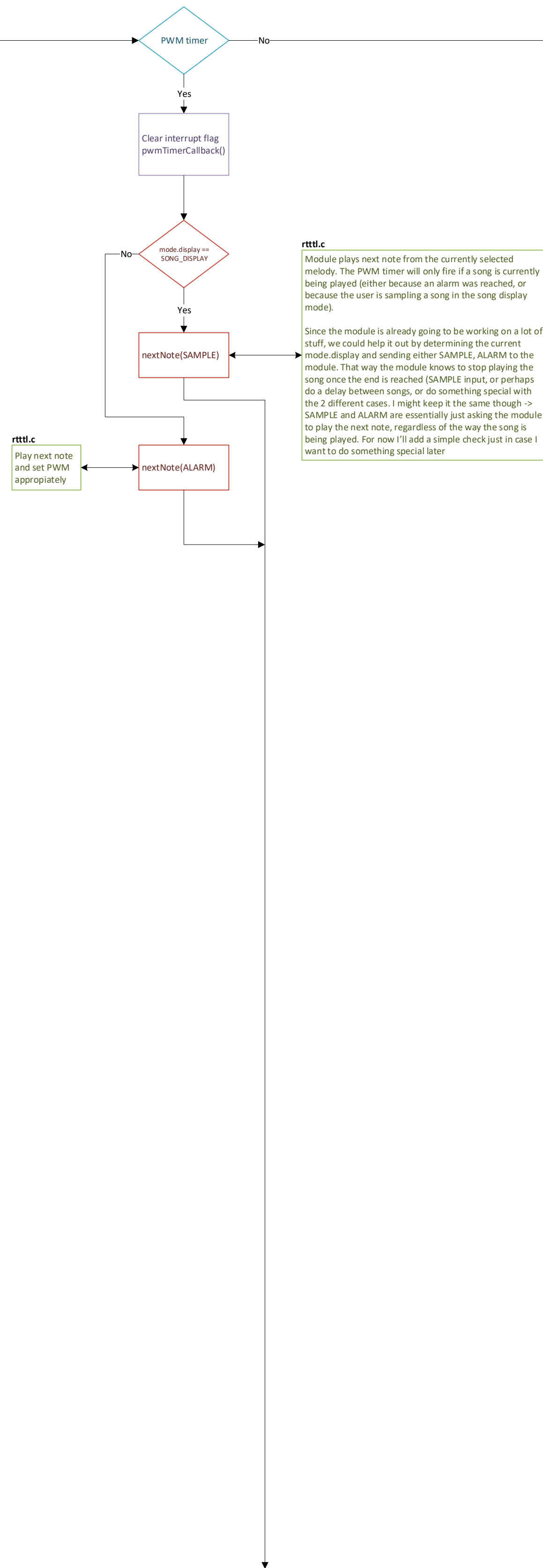
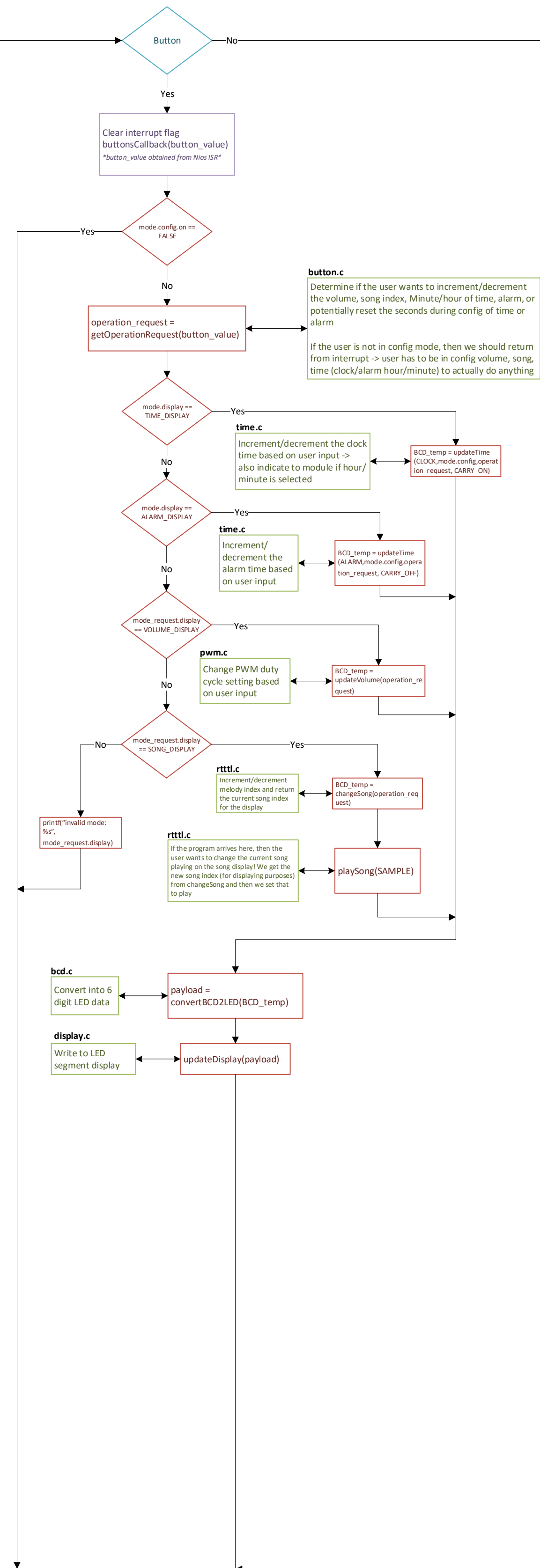
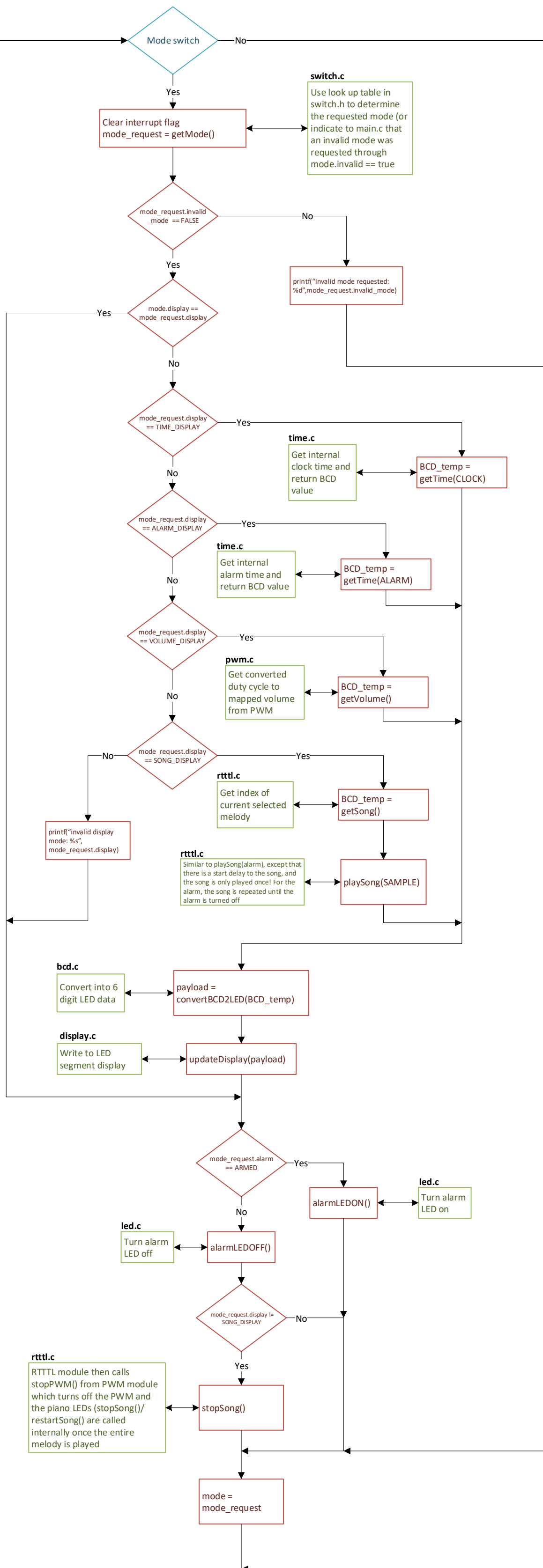
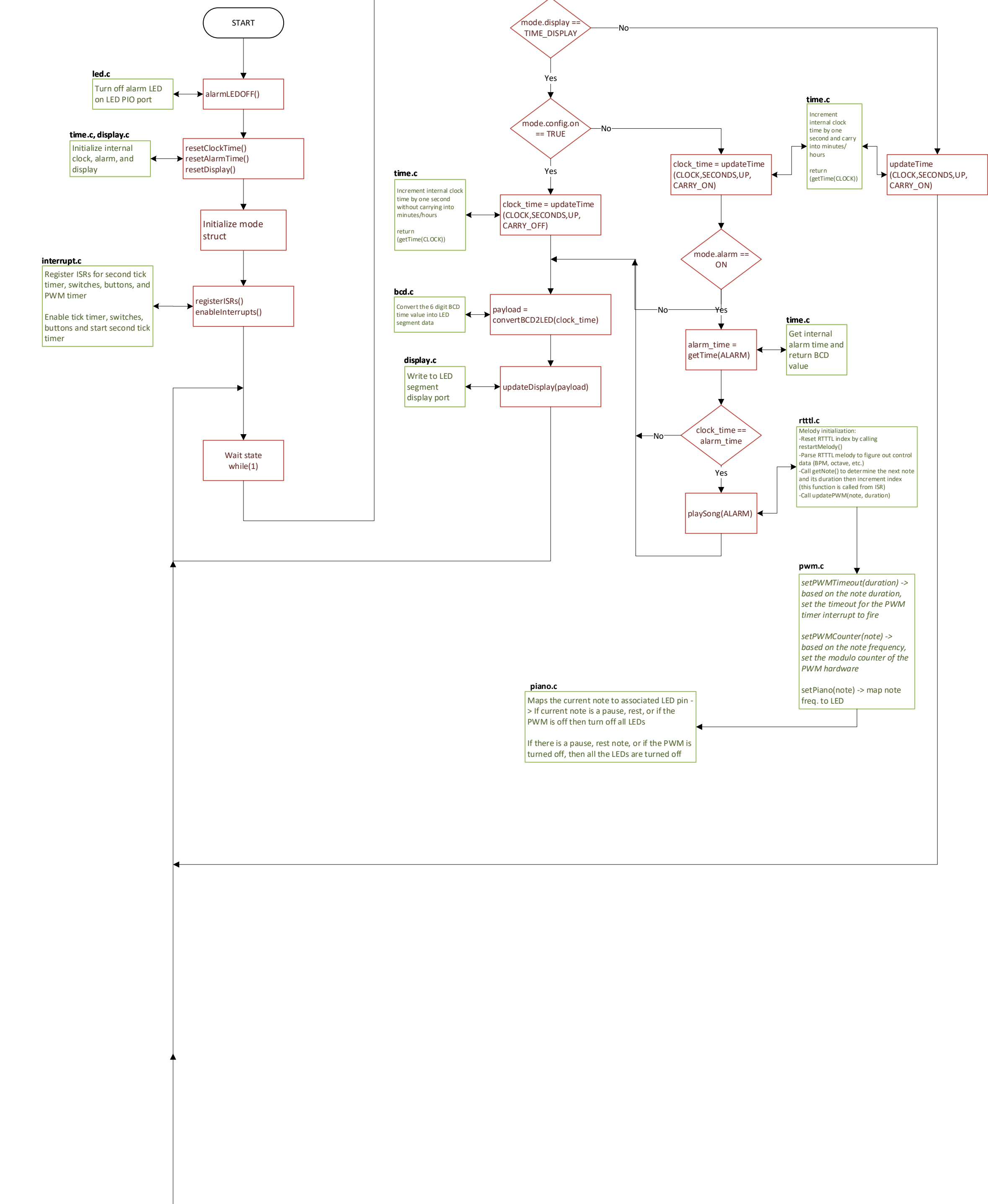
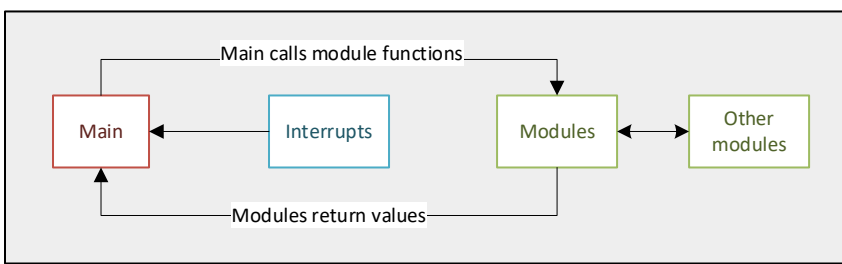


SECOND TIMER INTERRUPT

SWITCH INTERRUPT

BUTTON INTERRUPT

PWM TIMER INTERRUPT



rtttl.c
Module plays next note from the currently selected melody. The PWM timer will only fire if a song is currently being played (either because an alarm is reached, or because the user is sampling a song in the song display mode).
Since the module is already going to be working on a lot of stuff, we could help it out by determining the current mode.display and sending either SAMPLE, ALARM to the module. That way the module knows to stop playing the song once the end is reached (SAMPLE input, or perhaps do a delay between songs, or do something special with the 2 different cases. I might keep it the same though -> SAMPLE and ALARM are essentially just asking the module to play the next note, regardless of the way the song is being played. For now I'll add a simple check just in case I want to do something special later