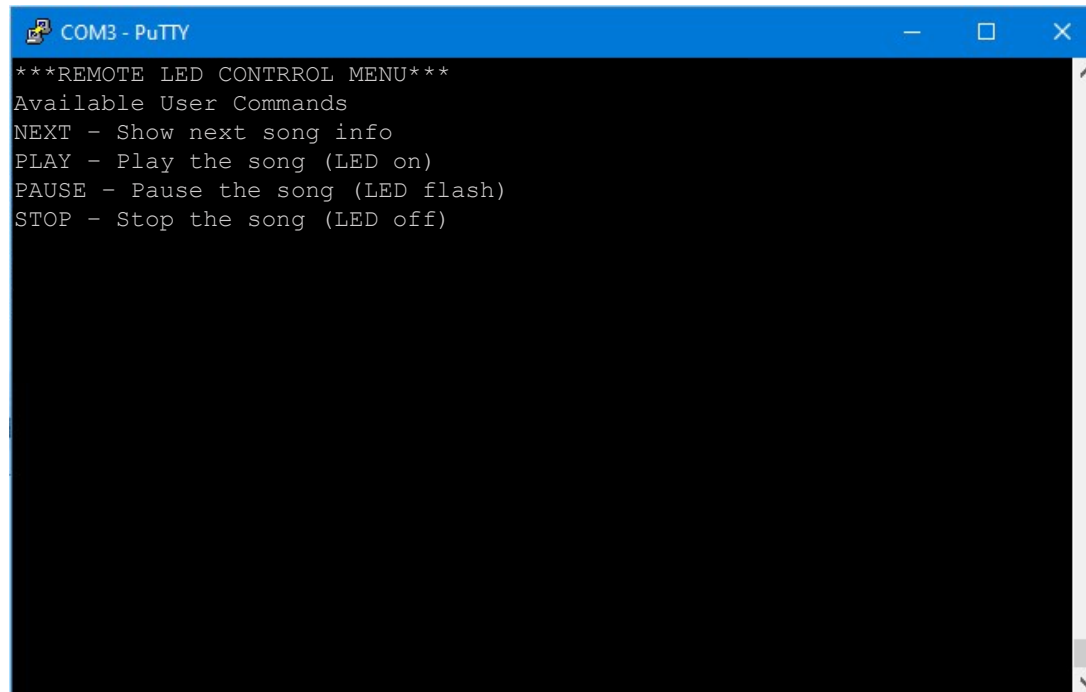# SWEN-340 Project

MIDI Project

High Level Requirements

- **Design user interface for a song playback system**
    - Next – Displays the next songs information
    - Play – Turns the play light on
    - Pause – Makes the play light flash (1 second interval)
    - Stop – Turns the play light off
- **Notes:**
    - When the program is first started, next should show the information for the first song in the song list.
    - You can use any command at any time. I.E. If a song is playing, you can still use next to cycle through other songs.
    - Nothing will actually play, the only thing you are required to do for this activity is display the information and manage the LED.

Detailed Design/Requirements

- **UI shall prompt the following at the start of the operation**

Detailed Design/Requirements

- o User shall be able to type following commands:
    - **HELP**
        - Prompts messages on Slide # 3 (which commands are available)
    - **NEXT**
        - Displays song info (see MIDI documentation):
        - Song title (FF 03)
        - Copyright (FF 02)
        - Tempo (FF 51) – this can be displayed as a 6-digit number
    - **PLAY**
        - Turn LED on
        - Does nothing if LED already on
    - **PAUSE**
        - Start LED flashing
        - This does nothing if LED is already flashing.
    - **STOP**
        - Turn off LED - regardless of its current state
        - Does nothing if LED already off

Project Demonstration & Grading

- **See Grading sheet for details**