9.1.1P Major Task Pass Level - M 🟥 ✏️ Text Music Player

> ⚠️ **Do NOT load your song files to Ed.**

BEFORE YOU DO THIS MAKE SURE YOU HAVE DONE THE Read Album with Tracks TASK

> ⚠️ In this task you will extend the implementation of your Text Based Music Player.

> ℹ️ The grade achievable for this task (within the Pass range) is:

- **Basic Pass Level - 55 (if you complete all Tutorial and Pass tasks to required standards)**

To see how to create the file with the albums (and design the code) see the following:

https://echo360.org.au/media/befb248b-a61b-4965-bb37-cc717e8906d1/public

Resources:

- Frieder, O. Frieder, G. & Grossman, D. 2013 Computer Science Programming Basics in Ruby, O'Reilly Media (Chapter 6)
- Flanagan, D. & Matsumoto, Y. 2008 The Ruby Programming Language, O'Reilly.
- Pine, C 2014, *Learn to Program (2nd Ed), Chapter 11,* The Pragamatic Programmer (library version – follow the link)

Pass Level Requirements

Your Text Based Music Application must have the following functionality:

> ⚠️ **You must use while loops for this task - do not use `for` loops or other loops.**

Display a menu that offers the user the following options:

```
1. Read in Albums
2. Display Albums
3. Select an Album to play
5. Exit the application
```

Menu option 1 should prompt the user to enter a filename of a file that contains the following information:

·The number of albums

·The first artist name

·The first album name

·The release date of the album

·The genre of the album

·The number of tracks

·The name and file location (path) of each track.

·The album information for the remaining albums.

Menu option 2 should allow the user to either display all albums or all albums for a particular genre. The albums should be listed with a unique album number which can be used in Option 3 to select an album to play. The album number should serve the role of a 'primary key' for locating an album. But it is allocated internally by your program, not by the user. If the user chooses list by genre - list the available genres.

Menu option 3 should prompt the user to enter the primary key (or album number) for an album as listed using Menu option 2.If the album is found the program should list all the tracks for the album, along with track numbers. The user should then be prompted to enter a track number. If the track number exists, then the system should display the message "Playing track " then the track name, " from album " then the album name. You may or may not call an external program to play the track, but if not the system should delay for several seconds before returning to the main menu.

> ⚠ *NB: IF you are aiming for a CREDIT or higher in the unit, then you should move on to doing the Credit level Music Player.*

> ℹ **Submit your final code and a screenshot to the workspace.**