CS 1428 Honors
Lab 9

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Overview

Today we are going to practice using structs for fun and profit. We're going to build an MP3 manager application (that actually plays mp3's!)

Questions

1. (15 pts) Explain what a struct is and why it's useful. Two bonus points if you can explain what the main alternative to a struct is *and* how it differs from a struct.

2. (85 pts) Write an mp3 manager, starting with the supplied code, that adheres to the following specifications:

   - Declares a struct to hold the following information:
     - Song title
     - Filename
     - Genre
     - Track number
   - Declares an array (or similar alternative) to handle storing the structs

- Provides options to enter a new song, delete an existing song, display all existing songs, and play a specific song (method of selecting is up to you; by name, track or any other struct field).
- Utilizes a nicely formatted menu driven interface

Deliverables

Hard copy of the source code you wrote (mp3.cpp). Soft copy (upload to homework upload) of your source code. You may, at your discretion, use Git for version control – it is not required.

StackSort connects to StackOverflow, searches for 'sort a list', and downloads and runs code snippets until the list is sorted.