CS 213 Fall 2021 - Assignment 1, Song Library
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7 SONG LIST + SELECTION
  4/4 appropriate widget used (e.g. selection list with option to select only one item)
  Points scored: 4
  3/3 correctness of listing (alphabetical order of name,then artist)
  Points scored: 3

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6 DETAILS DISPLAY
   clear layout (name, artist, album, year - easy to read)
Points scored:6

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20 ADD/DELETE/EDIT
  3/3 clear layout (all fields correctly labeled and laid out well for data entry)
    1 text fields for name, album, artist, year (spinner for year not required, checking not required) clearly labeled
Points scored: 1
    1 save/confirm button for saving/confirming add/edit
Points scored: 1
    1 cancel button to reset to previous state without going through with add/edit
Points scored: 1
 3/3 first add:
    1 shows up in song list
Points scored:1
    1 is automatically shown as selected in the list
Points scored: 1
    1 appears in the display area
Points scored: 1
  3/3 add when 3-4 other songs are already in the list (no conflict with existing)
    1 shows up in song list in appropriate alphabetical position
Points scored: 1
    1 is automatically shown as selected in the list
Points scored: 1
    1 appears in display area
Points scored: 1

2/2 add when at least one other song is in the list, and name/artist conflicts with
    an existing song should not be allowed (pop-up message)
Points scored: 2
 5/5 edit some selected song
    1 change name (no conflict)
Points scored: 1
    1 change name and artist (no conflict)
Points scored: 1
    1 change name and artist (conflict, should not be allowed - popup)
Points scored: 1
    2 change all fields in a song that has blank year and album
Points scored: 2
 3/3 delete (selected song), from list that has 2 songs
    1 disappears from song list
 Points scored: 1
    2 another song is automatically selected and displayed
Points scored: 2
 1/1 delete selected song from list that has 1 song
    1 no song in list, nothing displayed
Points scored: 1

(Note: It's possible that the display area also functions as the add/delete/edit
area but then the interface would be confusing if user tries to add because
a song is still selected when add is being done. Unless the interface temporarily
deselects, and selects the new song after it is added, or restores the previous
song if the add is aborted.)

 7/7 PERSISTENCE
  For each of the following actions, the interface is checked before exiting the
  application, and after starting it up again. They should be identical.
    1 first add
Points scored: 1
    2 add when 3-4 other songs are already in list
Points scored: 2
    2 non-conflicting edit that changes name so that it goes to a different
      position in list
Points scored: 2
    1 delete
Points scored: 1
    1 delete that results in empty list
Points scored: 1

For persistence, 4 point deduction if serialization used. Assignment requires TEXT
   file for song info storage.

POINT DEDUCTIONS (if any) according to penalties listed in assignment description:

Total: 40/40