Project 04

CPSC-236-02 2015SPO

# Summary

Create a library WinForms application that allows users to add books, movies and CDs (do people still have those? Games work, too) to a list for viewing, deleting and editing.

# Details

Starting with a premade C# WinForms application in Visual Studio, create an application for adding, viewing and deleting records of books, movies and CDs (or games). Users should enter a record’s information, click a button, and that record should be turned into a struct (or class) that is then added to a BindingList. You **must** use a BindingList, and you **must** store each record as an individual object in that list.

Create a ListBox for storing an identifier for each object (such as the title). Users should be able to click on an item in the ListBox and pull up record information. Users should also be able to delete a record from the selection.

The generic object struct/class must contain a title, year, and record type property, at minimum.

Your program must save and load previous data and your application must be tested for user experience (no window resizing, TabStop order, labels, bug free).

Hint  
Make the record type (book, movie, etc.) the enum.

# Grading

Assignment is worth **25** points. You will be graded on:

* Successfully using a BindingList object and DataSource property to update your ListBox.
* Successfully read and write your data
* Building a UI with proper TabStop flow and UX
* Being able to view, add and delete records from your application
* Having a compile-able application within Visual Studio
* Correctly turning in the assignment – naming convention, correct files submitted

# Submitting

Turn in your zipped solution folder to Blackboard. Make sure to name the zipped file *firstInitialLastName*\_proj04. For example, cBoyd\_proj04.zip.

# Programmer Points + 4

Create a generic object called Record, and then three classes that inherit from it: Book, Movie and CD (or Game). Make your BindingList of type Record so that you can store all different record types into it. Your individual record types should **not** be of type Record, but Book, Movie, etc. Each should have different properties.