Project 04

CPSC-236

# Summary

Create a library WinForms application that allows users to manage records of multiple types. Examples are a library of books, movies and games, or tasks trackers, or anything similar. You are encouraged to theme your application.

**You may not simply change the variable names of the sample application we do in class. You must find ways to expand upon it or do it in your own way entirely.**

# Details

Starting with a premade C# WinForms application in Visual Studio, create an application for adding, viewing and deleting records. Users should enter a record’s information, click a button, and that record should be turned into an instance of an object 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.

A basis for your project will be provided.

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 three properties, 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).

The application should:

* Use WinForms ListBox and Tabs
* Use a generic base class called **Record**
  + Use of an **enum** for the specific Record type (CD, etc) or an **inherited class** is up to you, but you’ll need one or the other
* Use of a **BindingList**
* Reading and writing data to a file(s) between application sessions

# 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.