Project 05

CPSC-236-03

# Summary

Create a Windows Forms application for managing a blood bank’s inventory.

# Details

Starting with a premade C# WinForms application in Visual Studio, create an application for adding, viewing and deleting blood bank records.

The application should include the following features:

* Ability to add a new donor (first name, last name, birthdate, blood type, Rh factor +/-, address, and phone
* The ability to search/filter by name, blood type, and/or Rh factor
* A way to view an individual record’s details
* A way to delete an individual record
* A way to edit/modify a record’s details
* A way to view the current amounts of blood in storage, grouped by the combination of blood type and Rh type

Your application must contain at least two (2) forms – a main form where users can search for records and add new ones, and a form for viewing details about an entry. How you choose to display search results, record details, modify records, and the data of current blood supply is up to you. A graphic interface (literally a chart of some kind) for the blood supply would be an excellent UI/UX addition.

You must use a class for the Donor and a class for the Blood. A Donor object should have a variable of type Blood, with Blood containing the Type and Rh factor.

You may work in teams of two on this project. Emphasis should be placed on good design and ease of use. Think of this as a real application being designed for a client. With additional resources (teams of two) the resulting project should reflect an increase in quality and polish.

# Grading

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

* Following the above requirements
* Successfully read and write your data
* 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*\_proj05. For example, cBoyd\_proj05.zip.