CSCI 3328 Object Oriented Programming in C#
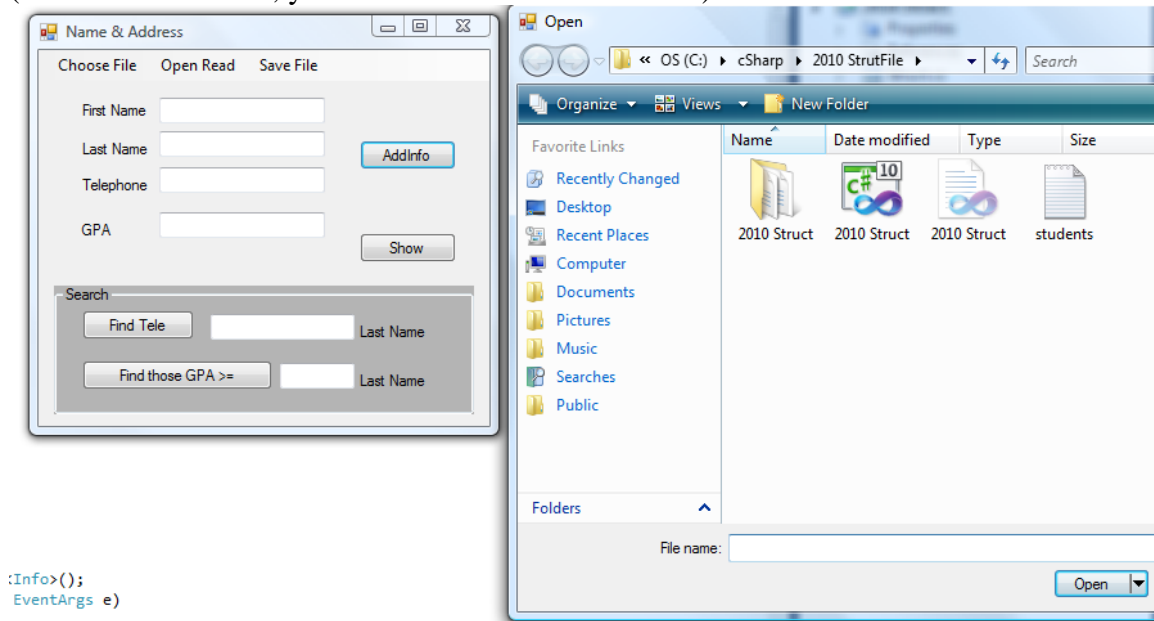## Assignment #9

Instructor: Dr. Xiang Lian
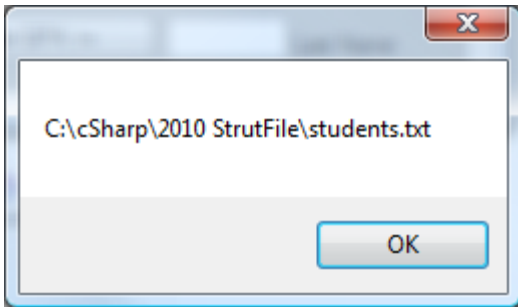Due Date: See the course Web page

Purpose: Learn how to work with dropdown menus, work with Struct, Read from a textfile, and use LINQ.

Write a program to hold records of students that contains Last Name, First Name, Telephone Number, and GPA. You may want to modify it to add additional information, or make it a usable program for you to use in the future. But, get my approval first. Create searches based on different criteria.
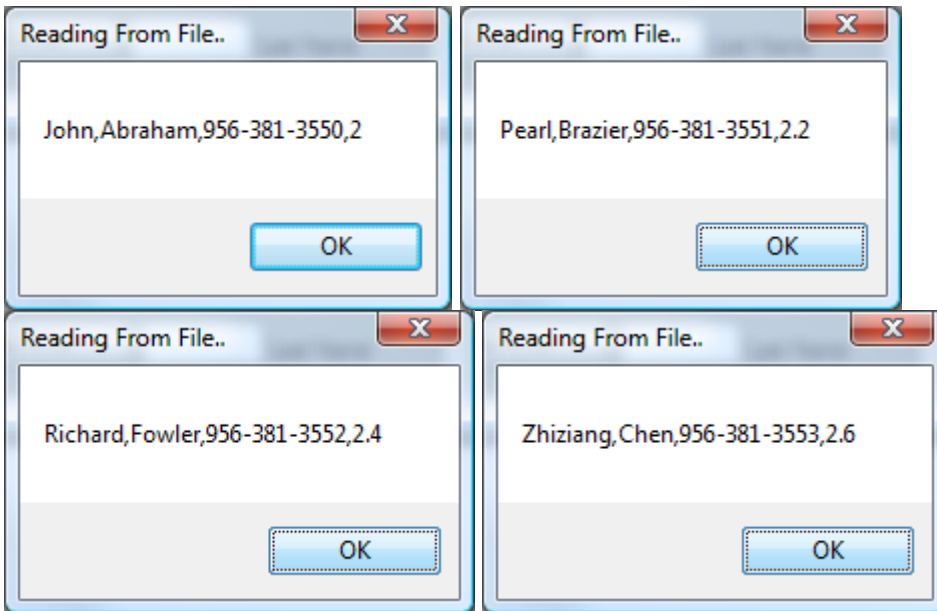
Here is an example of a program run.

1. Clicked on Choose file to get the screen shot on the right. That gave the popup below:
(if the file does exist, you need to create a textfile first).

C:\cSharp\2010 StrutFile\students.txt

OK

2. Clicked on Open & Read which gave a series of pop-ups like this:

Reading From File..

John,Abraham,956-381-3550,2

OK

Reading From File..

Pearl,Brazier,956-381-3551,2.2

OK

Reading From File..

Richard,Fowler,956-381-3552,2.4

OK

Reading From File..

Zhiziang,Chen,956-381-3553,2.6

OK

3. Click on show to give the following window:

Names and Telephone Nos. of Frien...

John Abraham	956-381-3550
Pearl Brazier	956-381-3551
Richard Fowler	956-381-3552
Zhiziang Chen	956-381-3553
Fang Liu	956-381-3554
Rajive Nambiar	956-381-3556
Artem Chebotko	956-381-3557
Jerry Smith	956-381-3558
Mandy Hernandez	956-381-3570
Andrea Clark	956-381-3571
Paul Deitel	956-381-3572
Gloria Caballero	956-381-3574
Jose Torres	956-381-7789
Jessica Sanchez	956-687-3381

OK

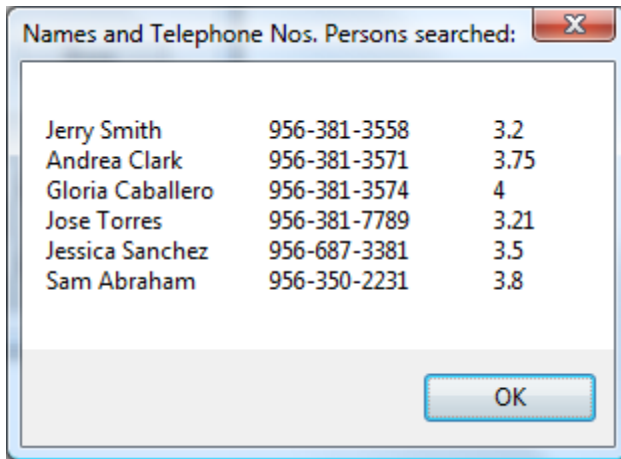4. Now I added one more Abraham (e.g., Sam Abraham), so the search will yield two names and clicked on AddInfo. Then Typed in Abraham in the search area and clicked on Find Tele.

Name & Address

Choose File   Open Read   Save File

First Name

Last Name   Abraham   AddInfo

Telephone

GPA   3.8

Show

Search
Find Tele   Abraham   Last Name

Find those GPA >=   Last Name

Names and Telephone Nos. Persons search...

John Abraham   956-381-3550
Sam Abraham   956-350-2231

OK

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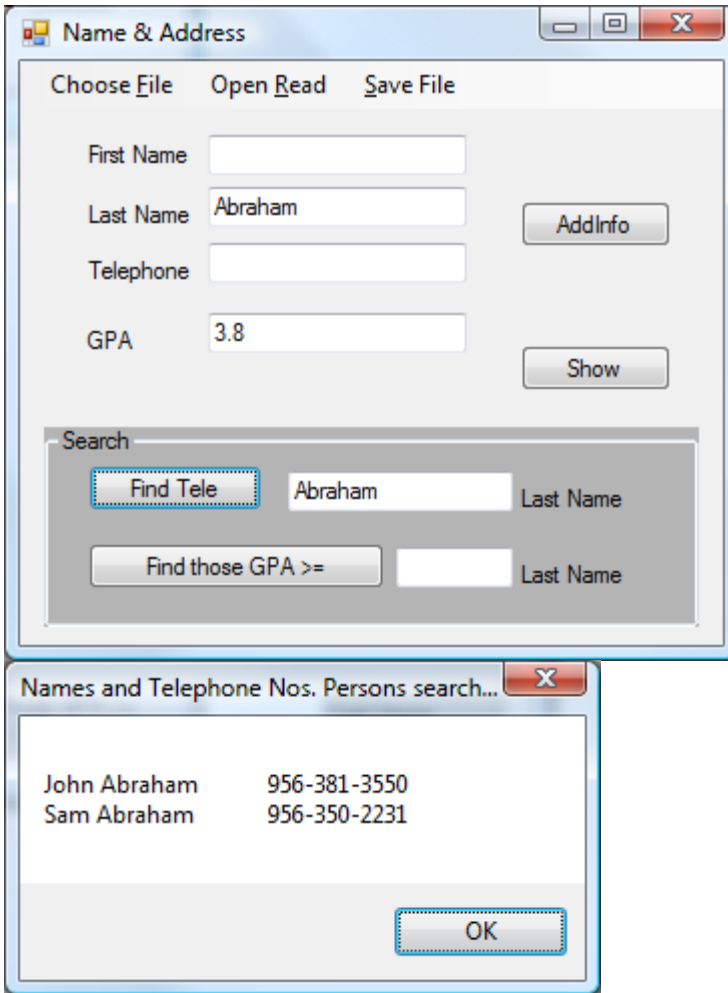
5. In the next screen I searched for GPA:

Name & Address

Choose File   Open Read   Save File

First Name

Last Name   AddInfo

Telephone

GPA

Show

Search
Find Tele   Last Name

Find those GPA >=   3.2   GPA

4

Names and Telephone Nos. Persons searched:

Jerry Smith	956-381-3558	3.2
Andrea Clark	956-381-3571	3.75
Gloria Caballero	956-381-3574	4
Jose Torres	956-381-7789	3.21
Jessica Sanchez	956-687-3381	3.5
Sam Abraham	956-350-2231	3.8

OK
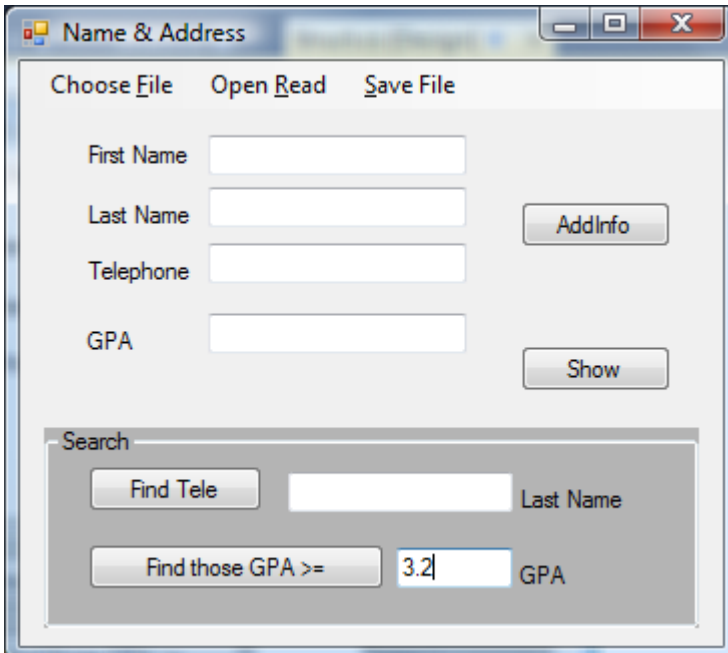
6. Finally, click on Save File so that all names you added will be saved to a file.

Please submit:

1. Program listing, and
2. The screen captures (as given above)

Please submit all files in a compressed *.zip file.

- Your program should begin with a comment section that would include the following:

PROGRAMMERS NAME:_____
STUDENT ID:_____
CLASS:_____ ASSIGNMENT #:_____
DATE DUE:_____ DATE TURNED IN:_____

- Upload the *.zip file you created to the Blackboard. The subject of the submission must include the following information:
  [CSCI 3328] [Assignment #] [Your Name Here] [Your Student ID Here]