Training Workshop App

Your task is to write an object-oriented application that will let the company display and edit workshops.

There are several workshop categories: (1) application development, (2) databases, (3) networking, and (4) systems administration. You will create an enumerated type that matches these categories.

A workshop consists of: (1) title, (2) length in days, (3) category, and (4) cost.

Create a class named *Workshop* that holds this information, with a complete set of properties and a ToString method. It should also contain a public shared string array such as the following:

```
{"Application development", "Databases", "Networking", "System
administration'}
```

Data File

When the application starts, it must read a list of workshops from a data file and store them in an array or collection. Each line in the file will be a different workshop, with the fields separated by the backslash character (\). Here is a sample line from the file:

```
0\3\800\Programming in Java – a single line in text file
```
(Category = 0, Days = 3, Cost = $800, Title = Programming in Java)

Create a user interface that lets the user complete the following tasks:

1. Display all workshops in a list in the startup form

2. Select a single workshop to display in detail format in a separate window. A combo box control should display a list of categories, with the workshop's actual category as the current selection. This window permits the user to modify the workshop fields and save all changes. If the user modifies a workshop, clicks the *Save and Close* button, and returns to the startup form, the workshop changes should appear in the list box.

NOTE: None of the changes are permanent because you are not required to save the modified workshop list back to the data file.

Workshops.txt file

Category,Days,Cost,Title

```
0\3\800\Programming in Java
0\3\800\Programming in Visual Basic
0\3\800\Programming in C#
0\5\1500\Advanced Java
0\5\1500\Advanced Visual Basic
0\5\1500\Advanced C#
0\5\1500\Web Application Programming
2\3\700\Intro to Networking
2\5\1900\Advanced Networking
2\3\600\Mobile Networks
1\5\2000\Intro to Databases
1\4\2000\Database Administration
3\3\670\Intro to Unix/Linux
3\5\2500\Advanced Unix/Linux
3\4\1800\Windows Adminstration
```

Form elements:
MAIN FORM

• *lstWorkshops*—Lists all workshops and details for each

• *ShowDetails*—Opens Details form (and passes the selected workshop information to it)

DETAILS FORM

• *display details (title, category, days, cost*

• *SaveAndClose*—Saves changes and returns back to List of Workshops form. NOTE: The changes are made ONLY in-memory. The text file will not be altered

Training Workshops

Programming in Java, Days = 3, Category = Application development, Cost = $800.00
Programming in Visual Basic, Days = 3, Category = Application development, Cost = $800.00
Programming in C#, Days = 3, Category = Application development, Cost = $800.00
Advanced Java, Days = 5, Category = Application development, Cost = $1,500.00
Advanced Visual Basic, Days = 5, Category = Application development, Cost = $1,500.00
Advanced C#, Days = 5, Category = Application development, Cost = $1,500.00
Web Application Programming, Days = 5, Category = Application development, Cost = $1,500.00
Intro to Networking, Days = 3, Category = Networking, Cost = $700.00
Advanced Networking, Days = 5, Category = Networking, Cost = $1,900.00
Mobile Networks, Days = 3, Category = Networking, Cost = $600.00
Intro to Databases, Days = 5, Category = Databases, Cost = $2,000.00
Database Administration, Days = 4, Category = Databases, Cost = $2,000.00
Intro to Unix/Linux, Days = 3, Category = System administration, Cost = $670.00

Show Details   Workshop successfully loaded

Workshop Details

Title   Advanced Visual Basic

Category   Application developm ∨

Days   5

Cost   1,500.00

Save and Close   **Cancel**