C#.NET LAB 10: Movie List!

NOTE: Points will be awarded for items that are written correctly in themselves but don't actually work because other things are broken. There is a total of 10 points available for this lab.

Task: List movies by category

What will the application do?

- The application stores a list of 10 movies and displays them by category.
- The user can enter any of the following categories to display the films in the list that match the category: animated, drama, horror, scifi.
- After the list is displayed, the user is asked if he or she wants to continue. If no, the program ends.

Build Specifications:

- **1 Point:** Each movie should be represented by an object of type Movie.
- **1 Point:** The Movie class must provide two private fields: title and category and the properties that go with them.
- **2 Point:** The class should also provide a constructor that accepts a title and category as parameters and uses the values passed to it to initialize its fields.
- **2 Points:** When the user enters a category, the program should read through all of the movies in the List and display a line for any movie whose category matches the category entered by the user.
- **1 Point:** Validate input don't accept blanks for any of the questions.

Additional Requirements:

- **1 Point:** For answering Lab Summary when submitting to the LMS
- **-2 Points:** if there are any syntax errors or if the program does not run (for example, in a Main method).

Extended Exercises:

- **1 Point:** Standardize the category codes by displaying a menu of categories and having the user select the category by number rather than entering the name.
- **1 Point:** Display the movies for the selected category in alphabetical order.

Console Preview:

```
Welcome to the Movie List Application!

There are 100 movies in this list.
What category are you interested in? scifi
Star Wars
2001: A Space Odyssey
E.T. The Extra-terrestrial
A Clockwork Orange
Close Encounters of the Third Kind

Continue? (y/n): Y
What category are you interested in? ...
```

E: 10-9 **M:** 7 - 8 **D:** 0 - 6