Project : Week 14

Expectations from project:

1. The technology used can be windows forms / wpf/ console/Xamarin/MAUI /Blazer with C# as programming language.
2. The database can be SQL server/SQLite. Even files or in memory representation like collection classes can be used. If you are using SQL, then restrict the tables to 1 or 2. More tables means more complexity.
3. You may create a workflow consisting of 2-3 forms.
4. Layered architecture (If possible) (I.e using dll files and presentation layer)
5. Use of web apis if needed.
6. Use the various concepts learnt so far like .dll files, writing to files, CRUD operations, try catch blocks, validations, data structures etc.
7. The code should be runtime error free, manual testing should be done.
8. Code should be commented, and proper naming conventions should be followed.
9. Submit a project idea in following format by Sept 26th to: [john.devries@newhorizons.com](mailto:john.devries@newhorizons.com)
10. Implementation time: from Sept 26th or even earlier if you have the idea.
11. Final Project submission will be on October 10th. You will be giving a small demo of the project on same day.

**Project Title:**

**Brief Project idea:**

**Database use :** (Either SQL or in memory or files)

**Template used:** Windows/ WPF

**Workflow ( this is for your reference) need not be elaborate.**

(Write the brief workflow here , considering the actors of your project).

*For e.g. : Scenario : Library Management System:*

1. Administrator of the library logs in by entering user id and password.
2. If user id and password is correct, then administrator can see the admin view .
3. The administrator can see a menu :

a. Get a List of available books

b. Update the stock of books

c. Add books

d. Delete books from inventory

e. Checkout books