Project- 1260660 Reyad

Tuesday, December 29, 2020   3:56 PM

✓   Project A

- Create a class book with the following attributes
    - i.   ID
    - ii. Title
    - iii. Price
    - iv. Type - any one of PRINT, E-book
    - v.   Authors - a book can be written by more than one authors
    - vi. Publisher
    - vii. Publish Date
- Setting author and getting author list must be through an interface
- An ITBook inherits from Book with the following attributes
    - i.   Brief Description
    - ii. Tags - a book can be associated with multiple tags
- Setting tags and getting tag list must be through an interface
- The book must implement IComparable<T> interface so that it compared by title or price
- Project requirements:
    - Use of abstract class, overrides
    - Use of Enumeration
    - Constructor overloading
    - Interface implementations
    - Creation of instances and storing arrays
    - Sorting array items
    - LINQ queries: Ordering, Filtering and grouping [Use both query expressions and extension methods]

✓ Project B

- Create a class book with the following attributes
    - i.   ID
    - ii.   Title
    - iii. Price
    - iv.   Type - any one of PRINT, EBook
    - v.   Authors - a book can be written by more than one authors
    - vi.   Publisher
    - vii. Publish Date
    - viii. a book can be associated with multiple tags
- An ITBook inherits from Book with the following attributes
    - i.   Tags - a book can be associated with multiple tags
- Create a Generic interface to get author names in a string separated by comma and Implement the interface in IT Book

✓ Project C

- Create a IT Book collection implementing IEnumerable
- You must reuse classes from project #1B (adding reference)
- Project requirements:
    - Use of generic constraints
    - Creation of instances
    - Use of related classes
    - Use of yield in Enumerator
    - Testing created collection