Introduction in .Net Core -> Lab 4 (Florin Olariu && Dan Nastasa)

Prerequisites:

- a) Create a Blank solution
- b) Add a Class Library (.NET Core)
- c) Add a Unit Test Project (.NET Core)
- d) Add dependency between Test Project and Class Library
- e) Use the Product class (and encapsulation).

Product

Id

ProductName (max 50)

ProductDescription(max 200)

StartDate

EndDate

Price (double)

Note: The exercise can be used to learn:

- LINQ
- Collections
- How Repository Pattern works
- Query syntax
- Method syntax

Exercise:

- 1. Using the Product class.
 - a. Create Class ProductRepository.
 - b. Expose and test the following behaviour using query syntax
 - i. RetriveActiveProducts
 - ii. RetriveInactiveProducts
 - iii. RetriveAllOrderByPriceDescending
 - iv. RetriveAllOrderByPriceAscending
 - v. RetriveAll -> criteria contains by name
 - vi. RetriveAll -> criteria by start date and end date
 - c. Expose and test the following behaviour using method syntax
 - i. RetriveActiveProducts
 - ii. RetriveInactiveProducts
 - iii. RetriveAllOrderByPriceDescending
 - iv. RetriveAllOrderByPriceAscending
 - v. RetriveAll -> criteria contains by name
 - vi. RetriveAll -> criteria by start date and end date
 - d. For testing Populate an IEnumerable of products using SUT approach(minimum 10 products)

Note:

- 1. All exercises are mandatory.
- 2. You will receive your points at the end of the lab.