

Exercise – Product Registry

1. Objectives

The objectives of this exercise are to practice with the following:

- Encapsulation
- Collection of the type List < T >

2. Description

Write an application that maintains and handles a list of products.

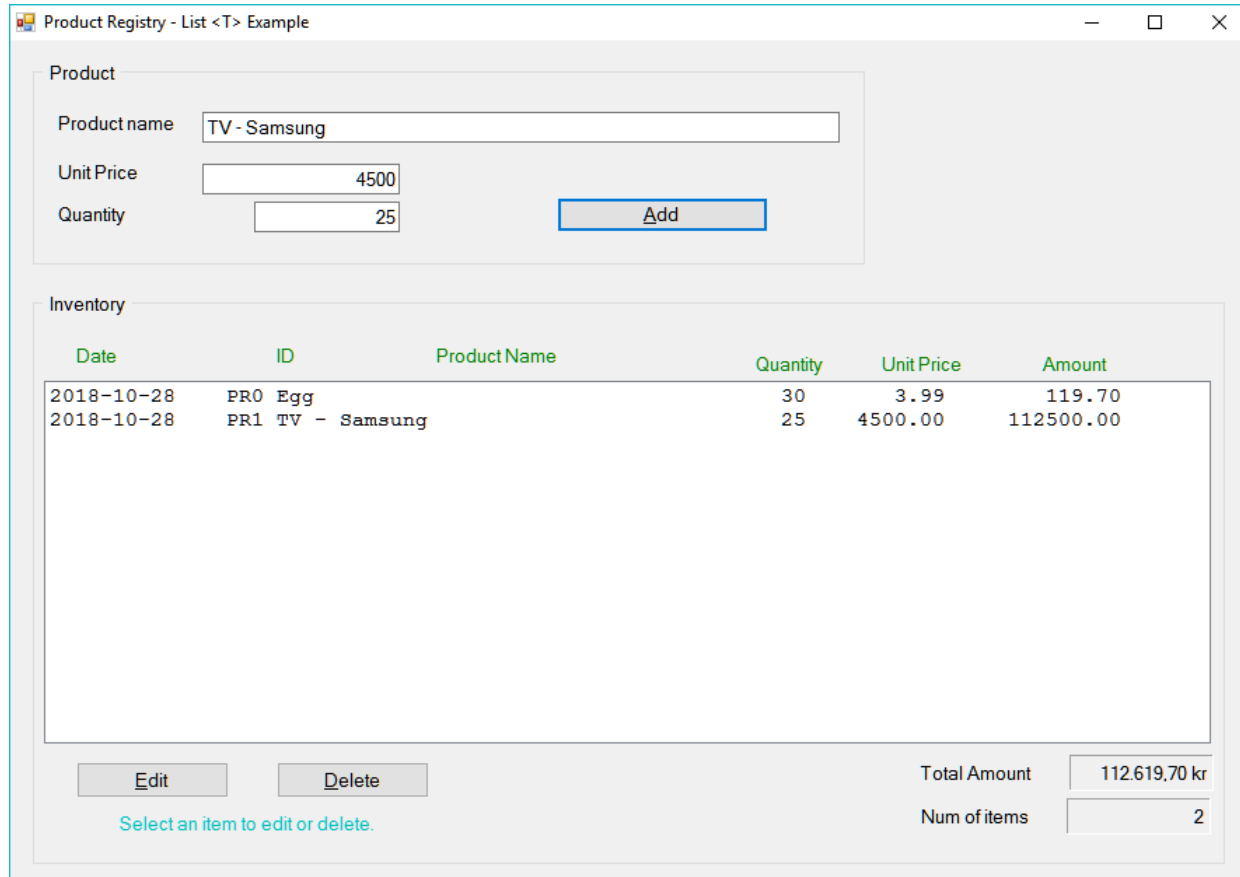
The input to the applications is:

- Name of product (string)
- Unit price (double or decimal)
- Quantity (int) number of the items available in the inventory.

Output: as shown in the example

- A list of the available items.
- Total amount.

Features: Add a new item, edit or delete an existing item.

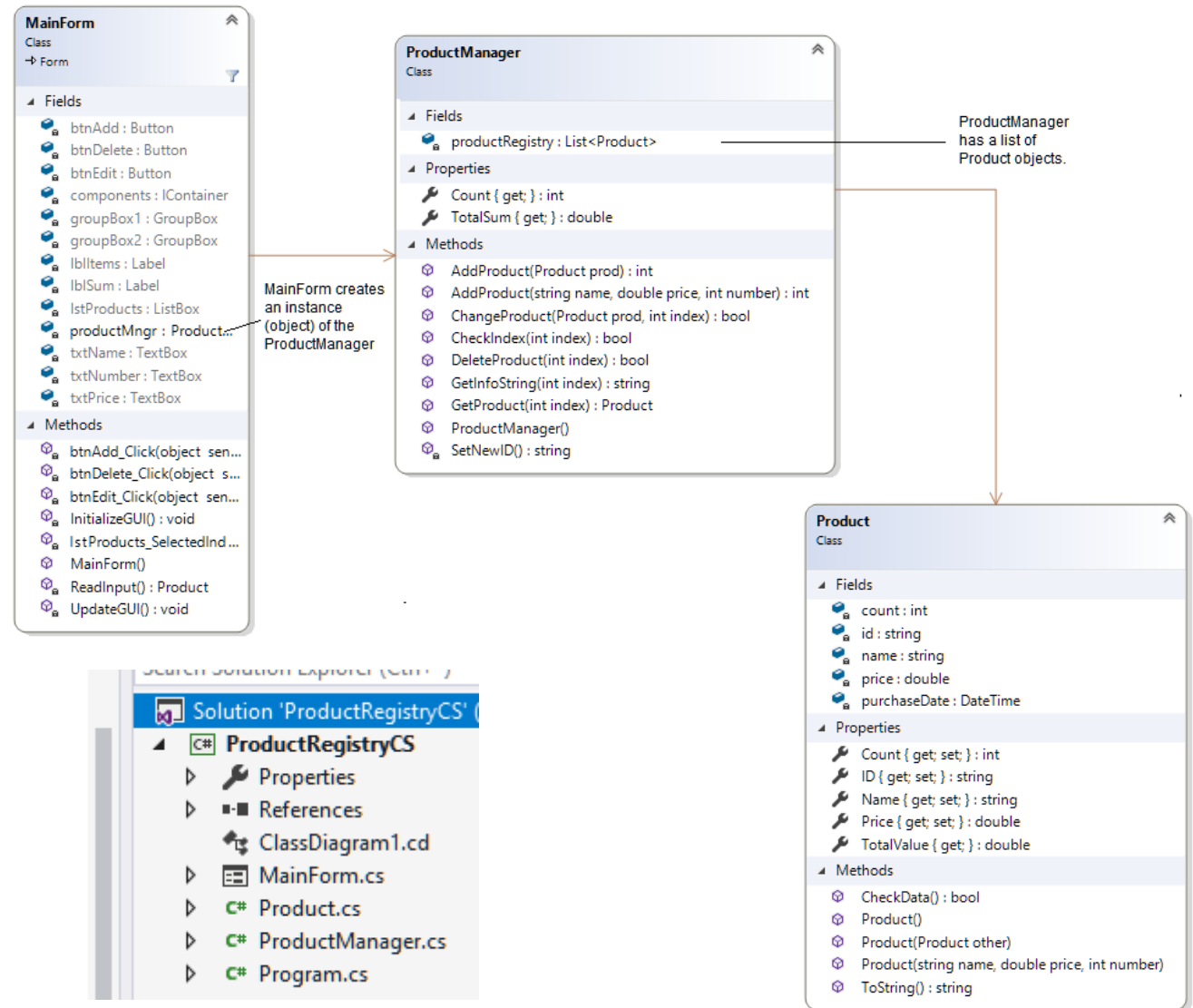


Date	ID	Product Name	Quantity	Unit Price	Amount
2018-10-28	PR0	Egg	30	3.99	119.70
2018-10-28	PR1	TV - Samsung	25	4500.00	112500.00

3. Instructions

A class diagram and a file list are for a suggested solution is given below. The code for the solution is available for download in the module.

- 3.1 Make sure that you validate the user input.
- 3.2 Let only the MainForm talk to the user – no message or other types of interaction should occur in any other class.
- 3.3 Document your code
- 3.4 Do things in steps and then compare to the given solution.



Good Luck!

Programming is fun. Never give up. Ask for help!

Farid Naisan,

Course Responsible and Instructor