Lab 5

Can you Remember the Assignment 1?

Farmers' market in Montreal is closed now because of Cold and high snowfall. So, they decided to start an indoor small shop. Your group is asked to make a small desktop application so that they can keep track of all of their sales perfectly.

Farmers' market coordinator has shared you the following dataset:

Product Name	Product ID	Amount(kg)	Price(CAD)/kg
Apple	124567	23	2.10
Orange	345678	20	2.49
Raspberry	125678	25	2.35
Blueberry	456732	29	1.45
Cauliflower	238901	24	2.22

As a project dealer, you have to create a ASP.NET RestAPI application which will contain the following functionalities and will help the coordinator to track the sales and inventory together:

1. You have to create REST APIs to SELECT, INSERT, UPDATE and DELETE any of the products and their amount listed in the product table.
2. Use proper API names to distinguish each of the APIs and their functionalities.

Assignment 2

3. You have to make one WPF class, name Admin, where you are going to add your created REST APIs and perform all the database operations, such as Select, Insert, Update, Delete any products in the database. This class should use GridView to show all the records in the database and will help the coordinator to know the inventory as well as update when requires. And GridView should read the data using REST API.
4. From Assignment one, you have already make another WPF class, name Sales, to calculate the total sales for a customer X. But this time, for Assignment 2, you have to use REST APIs to retrieve all the information from the Database. Customer will take any product with any amount as they wish from the given products in Database. Based on the customer's chosen product, the total sales amount will be updated as well as the inventory. E.g. Customer X has chosen Apple 2kg and Raspberry 3kg. The total sales amount will be (2 * 2.10 + 3 * 2.35) which will be displayed in the WPF screen. At the same time, the inventory will be deduct and update the amount customer has taken, such as Apple amount will be (23-2)~ 21 kg and Raspberry amount will be (25-3)~22 kg which will be updated in the database. This process will continue for all the customers. Once a customer perform their buy operation, if you move to Admin WPF class, you should see the updated inventory information.
   (N.B: You have to use REST APIs you have created in Lab 5 to retrieve information from the Database one by one.)
5. You have to create and push all of your works in your team GitHub repository. I will check how many Commits each member has done as well as which part you work.