

# Assignment 1 Report

Yateng Geng & Heping Song

GitHub repo: <https://github.com/Yateng198/FarmersMarket>

## 1. Work Distribution

### 1). Yateng Geng:

- a. Creating repository and readMe file;
- b. Main window;
- c. Admin window, including all the functions: Insert, Delete, Update, Search, List All Data, etc. ;
- d. ListAll window;

### 2). Heping Song:

- a. Sales window, including all the functions: Add specific products to cart and calculate the price, confirm order and calculate the total price, clean shopping cart and restart, and update the stock database once the order is processed successfully;
- b. Creating report and video;
- c. Adjusting readMe file;

## 2. Function showcasing ( for more details, please check our video)



MainWindow

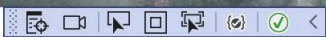


| ProductId | ProductName | Amount | Price |
|-----------|-------------|--------|-------|
| 111111    | watermelon  | 100    | 2.50  |
| 124567    | Apple       | 23     | 2.10  |
| 125678    | Raspberry   | 25     | 2.35  |
| 238901    | Cauliflower | 24     | 2.22  |
| 345678    | Orange      | 20     | 2.49  |
| 456732    | Blueberry   | 29     | 1.45  |
|           |             |        |       |

[Admin Page](#)[Home Page](#)

After Insert new data in ListAll window

Admin



Product Name

Lemon

Product ID

111111

Amount ( kg )

50

Price (CAD) / kg

2.5

Insert

Delete

Update

Search

List All Data

Home Page

Font

12

A<sup>^</sup>

A<sup>v</sup>

x<sub>2</sub>

x<sup>2</sup>

Font

Data updated into database successfully!

OK

Update

| ProductId | ProductName | Amount | Price |
|-----------|-------------|--------|-------|
| 111111    | Lemon       | 50     | 2.50  |
| 124567    | Apple       | 23     | 2.10  |
| 125678    | Raspberry   | 25     | 2.35  |
| 238901    | Cauliflower | 24     | 2.22  |
| 345678    | Orange      | 20     | 2.49  |
| 456732    | Blueberry   | 29     | 1.45  |
|           |             |        |       |

Admin Page Home Page

After update new in ListAll window

|                  |                                     |
|------------------|-------------------------------------|
| Product Name     | <input type="text"/>                |
| Product ID       | <input type="text" value="111111"/> |
| Amount ( kg )    | <input type="text"/>                |
| Price (CAD) / kg | <input type="text"/>                |

Insert Delete Update Search

List All Data Home Page

50kg Lemon have been successfully deleted from database

OK

Delete

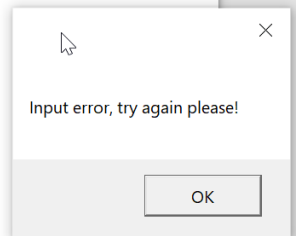
| ProductId | ProductName | Amount | Price |
|-----------|-------------|--------|-------|
| 124567    | Apple       | 23     | 2.10  |
| 125678    | Raspberry   | 25     | 2.35  |
| 238901    | Cauliflower | 24     | 2.22  |
| 345678    | Orange      | 20     | 2.49  |
| 456732    | Blueberry   | 29     | 1.45  |
|           |             |        |       |



Admin Page

Home Page

After Delete in ListAll window

Product Name Product ID Amount ( kg ) Price (CAD) / kg 

Insert

Delete

Update

Search

List All Data

Home Page

Input exception control

| Product Name   | Amount (kg)  | Price (CAD)/kg                         |  |
|--|--|--|--|
| Apple  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.10/kg"/> | <input type="button" value="Add"/>           |
| Orange   | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.49/kg"/> | <input type="button" value="Add"/>           |
| Raspberry  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.35/kg"/> | <input type="button" value="Add"/>           |
| Blueberry  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$1.45/kg"/> | <input type="button" value="Add"/>           |
| Cauliflower  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.22/kg"/> | <input type="button" value="Add"/>           |
| Total Price  | <input type="text" value="0"/>                                       |  | <input type="button" value="Confirm Order"/> |
| <input type="button" value="Clean Shopping Cart and Restart"/> |  |  | <input type="button" value="Home Page"/>     |

Sales default

| Product Name   | Amount (kg)  | Price (CAD)/kg                         |  |
|--|--|--|--|
| Apple  | <input type="text" value="5"/>                                       | <input type="text" value="\$2.10/kg"/> | <input type="button" value="Add"/>           |
| Orange   | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.49/kg"/> | <input type="button" value="Add"/>           |
| Raspberry  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.35/kg"/> | <input type="button" value="Add"/>           |
| Blueberry  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$1.45/kg"/> | <input type="button" value="Add"/>           |
| Cauliflower  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.22/kg"/> | <input type="button" value="Add"/>           |
| Total Price  | <input type="text" value="10.5"/>                                    |  | <input type="button" value="Confirm Order"/> |
| <input type="button" value="Clean Shopping Cart and Restart"/> |  |  | <input type="button" value="Home Page"/>     |

Add apples

| Product Name   | Amount (kg)  | Price (CAD)/kg                         |  |
|--|--|--|--|
| Apple  | <input type="text" value="5"/>                                       | <input type="text" value="\$2.10/kg"/> | <input type="button" value="Add"/>           |
| Orange   | <input type="text" value="5"/>                                       | <input type="text" value="\$2.49/kg"/> | <input type="button" value="Add"/>           |
| Raspberry  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.35/kg"/> | <input type="button" value="Add"/>           |
| Blueberry  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$1.45/kg"/> | <input type="button" value="Add"/>           |
| Cauliflower  | <input type="text" value="Please enter the amount you want to buy"/> | <input type="text" value="\$2.22/kg"/> | <input type="button" value="Add"/>           |
| Total Price  | <input type="text" value="22.95"/>                                   |  | <input type="button" value="Confirm Order"/> |
| <input type="button" value="Clean Shopping Cart and Restart"/> |  |  | <input type="button" value="Home Page"/>     |

Add Oranges

| Product Name   | Amount (kg)                        | Price (CAD)/kg                         |  |
|--|------------------------------------|--|--|
| Apple  | <input type="text" value="5"/>     | <input type="text" value="\$2.10/kg"/> | <input type="button" value="Add"/>           |
| Orange   | <input type="text" value="5"/>     | <input type="text" value="\$2.49/kg"/> | <input type="button" value="Add"/>           |
| Raspberry  | <input type="text" value="5"/>     | <input type="text" value="\$2.35/kg"/> | <input type="button" value="Add"/>           |
| Blueberry  | <input type="text" value="5"/>     | <input type="text" value="\$1.45/kg"/> | <input type="button" value="Add"/>           |
| Cauliflower  | <input type="text" value="5"/>     | <input type="text" value="\$2.22/kg"/> | <input type="button" value="Add"/>           |
| Total Price  | <input type="text" value="53.05"/> |  | <input type="button" value="Confirm Order"/> |
| <input type="button" value="Clean Shopping Cart and Restart"/> |                                    |  | <input type="button" value="Home Page"/>     |

Add other products

Sales

| Product Name | Amount (kg)  | Price (CAD)/kg |  |
|--------------|--|----------------|--|
| Apple        | <input type="text" value="Please enter the amount you want to buy"/> | \$2.10/kg      | <input type="button" value="Add"/>           |
| Orange       | <input type="text" value="Please enter the amount you want to buy"/> | \$2.49/kg      | <input type="button" value="Add"/>           |
| Raspberry    | <input type="text" value="Please enter the amount you want to buy"/> | \$2.35/kg      | <input type="button" value="Add"/>           |
| Blueberry    | <input type="text" value="Please enter the amount you want to buy"/> | \$1.45/kg      | <input type="button" value="Add"/>           |
| Cauliflower  | <input type="text" value="Please enter the amount you want to buy"/> | \$2.22/kg      | <input type="button" value="Add"/>           |
| Total Price  | <input type="text" value="0"/>                                       |                | <input type="button" value="Confirm Order"/> |

Shopping carts cleaned, now you could choose again!

Clean shopping Cart

Sales

| Product Name | Amount (kg)                        | Price (CAD)/kg |  |
|--------------|------------------------------------|----------------|--|
| Apple        | <input type="text" value="5"/>     | \$2.10/kg      | <input type="button" value="Add"/>           |
| Orange       | <input type="text" value="5"/>     | \$2.49/kg      | <input type="button" value="Add"/>           |
| Raspberry    | <input type="text" value="5"/>     | \$2.35/kg      | <input type="button" value="Add"/>           |
| Blueberry    | <input type="text" value="5"/>     | \$1.45/kg      | <input type="button" value="Add"/>           |
| Cauliflower  | <input type="text" value="5"/>     | \$2.22/kg      | <input type="button" value="Add"/>           |
| Total Price  | <input type="text" value="53.05"/> |                | <input type="button" value="Confirm Order"/> |

Order processed.

You've ordered 5 Apples, 5kg Oranges, 5kg Raspberries, 5kg Blueberries, and 5kg Cauliflowers.

The Total Price is (CA)\$53.05.

Confirm order



| ProductId | ProductName | Amount | Price |
|-----------|-------------|--------|-------|
| 124567    | Apple       | 18     | 2.10  |
| 125678    | Raspberry   | 20     | 2.35  |
| 238901    | Cauliflower | 19     | 2.22  |
| 345678    | Orange      | 15     | 2.49  |
| 456732    | Blueberry   | 24     | 1.45  |
|           |             |        |       |



Admin Page

Home Page

Amount(stock) updated according to the processed order automatically

Sales

Product Name

Amount (kg)

Price (CAD)/kg

Apple

Orange

Raspberry

Blueberry

Cauliflower

Total Price

Clean Shopping Cart and Restart

Add

Confirm Order

Home Page

Input error, please only input integer for the amount of product.  
Input 0 if you don't want this product.

OK

Input exception control

