

## Homework 3 – Instructions

Read the requirements document and use cases closely so you understand the program state requirements. Then fill out the events planning document. Please save the events document in your Project folder. Submit your GitHub link or Zip.

### Requirements Document – use techniques learned in Chapter 5

A local grocery store offers party platters made to order. The grocery store has asked you to create a Windows application that allows customers to enter their orders on a flat-screen computer. Create an application that allows the user to select one of five party platters. Create and display a list of platters of your own choice, along with a display of prices for each platter using radio buttons. A second radio button group should request if the customer will pre-pay or pay upon order pickup. The grocery store has a loyalty program that deducts 5 percent of the total order cost for every 10 points a customer has earned. Allow users to enter their total number of loyalty points and compute the cost of their order. Customers cannot receive money back if their loyalty points exceed the full cost of their order.

FIGURE 5-101

1

**Catering**  
Star Market

☒ Gourmet Cheese \$49.99  
☐ Pinwheel Wraps \$59.99  
☐ Veggie \$29.99  
☐ Sausage and Cheese \$49.99  
☐ Fruit \$29.99

☒ Pre-Pay  
☐ Pay upon Pickup

Please Pay:

Loyalty Points

**Calculate** **Clear**

## Instructions:

Rename all controls using our naming convention. Note the two radio button groups. Please have the form pop up center screen.

### Form Load event:

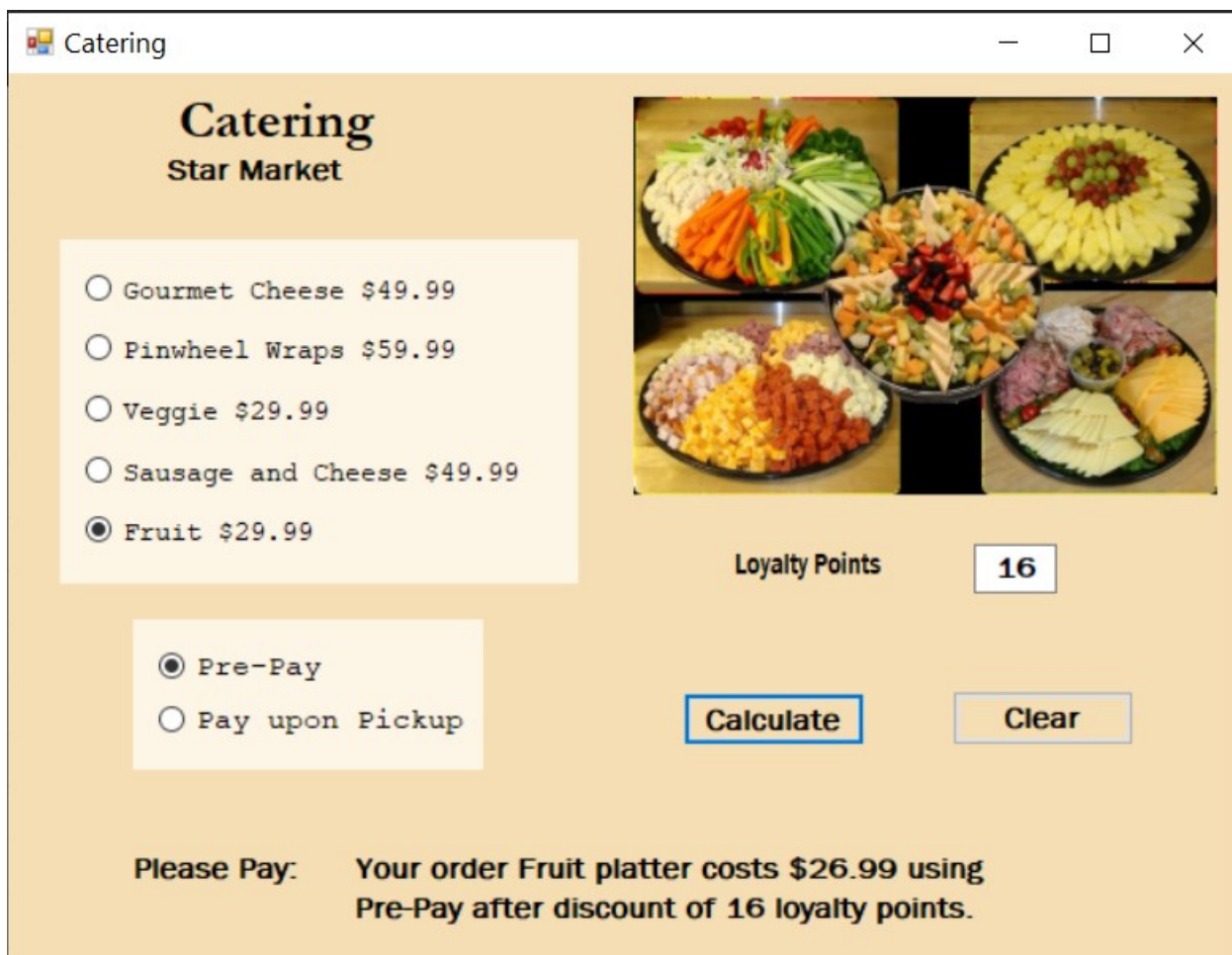
1. Run btnClear code

### btnClear click event:

1. Points textbox is cleared and has focus
2. Payment display label cleared
3. Return state of seven (7) radio buttons to default (see screenshot)

### btnCalculate click event:

1. Get the points
2. Figure out which platter was chosen, and start working on your output string (watch video for clarification)
3. Figure out the payment method.
4. Calculate the discount
5. Display the payment information in this format: Your order Veggie Platter costs \$28.49 using Pre-Pay after discount of 10 loyalty points.



The screenshot shows a Windows application window titled "Catering" with standard minimize, maximize, and close buttons. The application has a light orange background. At the top left, the text "Catering" is in a large, bold, serif font, with "Star Market" below it in a smaller, bold, serif font. To the right of the text is a collage of five images showing different catering platters: Gourmet Cheese, Pinwheel Wraps, Veggie, Sausage and Cheese, and Fruit. Below the text and images, there are two radio button groups. The first group lists five platters with their prices: "Gourmet Cheese \$49.99", "Pinwheel Wraps \$59.99", "Veggie \$29.99", "Sausage and Cheese \$49.99", and "Fruit \$29.99". The "Fruit" option is selected. The second group has two options: "Pre-Pay" (selected) and "Pay upon Pickup". To the right of these groups, there is a label "Loyalty Points" followed by a text box containing the number "16". Below this, there are two buttons: "Calculate" (highlighted with a blue border) and "Clear". At the bottom of the window, there is a label "Please Pay:" followed by a text area containing the message: "Your order Fruit platter costs \$26.99 using Pre-Pay after discount of 16 loyalty points."

**Catering**  
Star Market

☐ Gourmet Cheese \$49.99  
☐ Pinwheel Wraps \$59.99  
☐ Veggie \$29.99  
☐ Sausage and Cheese \$49.99  
☒ Fruit \$29.99

☒ Pre-Pay  
☐ Pay upon Pickup

Loyalty Points **16**

**Calculate** **Clear**

Please Pay: Your order Fruit platter costs \$26.99 using Pre-Pay after discount of 16 loyalty points.