```vb
 1  Public Class Form1
 2      ' Declare global variables
 3      Dim Clicked = False
 4      Dim dblTotalPrice As Double = 0
 5      Const dblDiscount As Double = 0.05
 6      Dim qtyBags As Integer = 0
 7      Dim cstBags As Double = 0.0
 8
 9      ' Declares the items for each category with arrays and their prices in a
          separate array
10      Public Milk() As String = {"Whole Milk - $3.29",
11                                 "Nonfat Milk - $2.19",
12                                 "1% Milk - $3.19",
13                                 "2% Milk - $3.19",
14                                 "Almond Milk - $5.19",
15                                 "Cashew Milk - $3.89",
16                                 "Chocolate Milk - $6.29"}
17      Dim MilkPrices() As Double = {3.29, 2.19, 3.19, 3.19, 5.19, 3.89, 6.29}
18
19      Public Eggs() As String = {"Vital Farms Pasture Raised(12 count) - $6.29",
20                                 "SB Grade AA Large Eggs(18 count) - $4.19",
21                                 "SB Grade AA Large Eggs(12 count) - $3.19",
22                                 "SB Cage Free Large Brown Eggs(12 count) -
                    $3.69",
23                                 "Valu Time Large White Eggs(60 count) - $13.59"}
24      Dim EggPrices() As Double = {6.29, 4.19, 3.19, 3.69, 13.59}
25
26      Public Vegetables() As String = {"White Onion (1lb) - $0.99",
27                                       "Roma Tomato (1lb) - $0.99",
28                                       "Jalapeño Pepper (1lb) - $0.99",
29                                       "Iceberg Lettuce - $1.69",
30                                       "Russet Potato (1lb) - $0.99",
31                                       "Cucumber (1lb) - $0.99",
32                                       "White Sweet Corn - $0.69",
33                                       "Carrot (1lb) - $0.99"}
34      Dim VegetablePrices = {0.99, 0.99, 0.99, 1.69, 0.99, 0.99, 0.69, 0.99}
35
36      Public Fruits() As String = {"Bananas (1lb) - $0.69",
37                                   "Strawberries(1lb container) - $3.69",
38                                   "Granny Smith Apple (1lb) - $0.99",
39                                   "Avocado - $0.99",
40                                   "Lemon - $0.79",
41                                   "Red Mango - $1.25",
42                                   "Navel Oranges (1lb) - $1.29"}
43      Dim FruitPrices() As Double = {0.69, 3.69, 0.99, 0.99, 0.79, 1.25, 1.29}
44
45      Public Meat() As String = {"80% Lean 20% Fat Ground Beef (1lb) - $6.29",
46                                 "85% Lean 15% Fat Ground Beef (1lb) - $6.79",
47                                 "93% Lean 7% Fat Ground Beef (1lb) - $7.29"}
48      Dim MeatPrices() As Double = {6.29, 6.79, 7.29}
49
50      Public Water() As String = {"Stater Bros. Pure Water (24 x 16.9 fl oz) -
```

```vb
              $3.19",
51                               "Stater Bros. Pure Water (28 x 20 fl oz) -     ⮑
                  $4.19",
52                               "Stater Bros. Pure Water (35 x 16.9 fl oz) -    ⮑
                  $4.19",
53                               "Arrowhead 100% Natural Spring Water (24 x 16.9  ⮑
                  fl oz) - $4.69",
54                               "Crystal Geyser Water (35 x 16.9 fl oz) - $5.69"}
55      Dim WaterPrices() As Double = {3.19, 4.19, 4.19, 4.69, 5.69}
56
57      Public Bread() As String = {"Stater Bros. Wheat Bread (24 oz) - $1.99",
58                               "Stater Bros. White Bread (24 oz) - $1.99",
59                               "Stater Bros. Artisan Bread (22 oz) - $1.99"}
60      Dim BreadPrices() As Double = {1.99, 1.99, 1.99}
61
62      'SubProcedure that when called will fill the CheckedListBox that was passed  ⮑
         to it, using the respective array
63      Public Sub PopulateComboBox(ByRef cmbBox As CheckedListBox, ByRef strItem()  ⮑
         As String)
64          For Each i As String In strItem
65              cmbBox.Items.Add(i)
66          Next
67      End Sub
68
69      ' Subprocedure that when called will incrementally step through each check   ⮑
         box to search for any checked boxes and will then pass its respective price ⮑
          to dblprice
70      ' and will also write the item to Receipt.txt
71      Public Sub CheckBoxes(ByVal CheckedListBox As CheckedListBox, ByVal Prices() ⮑
         As Double, ByRef dblTotal As Double, ByRef outFile As IO.StreamWriter)
72          For j As Integer = 0 To CheckedListBox.Items.Count - 1
73              Dim Item As String = CheckedListBox.Items(j)
74              If CheckedListBox.GetItemChecked(j) Then
75                  dblTotalPrice += Prices(j)
76                  outFile.WriteLine(CheckedListBox.Items(j))
77              End If
78          Next
79      End Sub
80
81      ' Code for closing the program when File->Exit is selected
82      Private Sub ExitToolStripMenuItem_Click(sender As Object, e As EventArgs)    ⮑
         Handles ExitToolStripMenuItem.Click
83          Close()
84      End Sub
85      Private Sub btnSave_Click(sender As Object, e As EventArgs) Handles          ⮑
         btnSave.Click
86          ' If btnSave is clicked again, this If clause will reset dblTotalPrice,  ⮑
             delete any past Receipt.txt, and set Clicked to False
87          If Clicked = True Then
88              dblTotalPrice *= 0
89              IO.File.Delete("Receipt.txt")
90              Clicked = False
```

```vb
91            End If
92
93          'Dim i as counter and open the Receipt.txt file for outputting
94          Dim outFile As IO.StreamWriter
95          Dim i As Integer = 0
96          outFile = IO.File.CreateText("Receipt.txt")
97
98          ' If clause that will trigger a dialog box that remind the user to      ⤶
                completely fill out the form
99          ' if txtFirstName Or txtLastName are empty
100         If txtFirstName.Text.Trim <> String.Empty Or txtLastName.Text.Trim <>   ⤶
              String.Empty Then
101
102             ' Writes the First and Last names to Receipt, uses .Trim to eliminate ⤶
                    any surrounding spaces
103             outFile.WriteLine(txtFirstName.Text.Trim & " " &                    ⤶
                  txtLastName.Text.ToString.Trim & vbNewLine)
104
105             ' Calls the CheckBoxes Subprocedure to check which items the user   ⤶
                    selected and writes them to Receipt.txt
106             ' While also adding the prices To dblTotalPrice
107             CheckBoxes(cboMilk, MilkPrices, dblTotalPrice, outFile)
108             CheckBoxes(cboEggs, EggPrices, dblTotalPrice, outFile)
109             CheckBoxes(cboVegetables, VegetablePrices, dblTotalPrice, outFile)
110             CheckBoxes(cboFruits, FruitPrices, dblTotalPrice, outFile)
111             CheckBoxes(cboMeat, MeatPrices, dblTotalPrice, outFile)
112             CheckBoxes(cboWater, WaterPrices, dblTotalPrice, outFile)
113             CheckBoxes(cboBread, BreadPrices, dblTotalPrice, outFile)
114
115             ' If clause that either writes 0 bags to Receipt.txt
116             If rdbNone.Checked Or txtBags.Text = "0" Then
117
118                 outFile.WriteLine("0 Bags" & vbNewLine)
119
120                 ' Else it will add the cost of the bags to dblTotalPrice and    ⤶
                        write how many bags and cost to Receipt.txt
121             Else
122
123                 Integer.TryParse(txtBags.Text, qtyBags)
124                 cstBags = qtyBags
125                 outFile.WriteLine(txtBags.Text & " Bags - " & cstBags &         ⤶
                      vbNewLine)
126
127                 Do Until i = qtyBags
128                     dblTotalPrice += 0.1
129                     i += 1
130                 Loop
131
132             End If
133
134             ' Will either discount dblTotalPrice by 5% and show "Discount       ⤶
                    Appleid." if rdbPickup is checked or do nothing if rdbInstacart is ⤶
```

```vb
                  checked
135             If rdbPickup.Checked Then
136                 dblTotalPrice -= (dblTotalPrice * dblDiscount)
137                 lblDiscountApplied.Visible = True
138             Else
139                 dblTotalPrice = dblTotalPrice
140                 lblDiscountApplied.Visible = False
141             End If
142
143             ' Outputs dblTotalPrice to txtTotal, using Currency format to 2      ⏎
                  decimal places
144             txtTotal.Text = dblTotalPrice.ToString("C2")
145
146             ' Writes txtTotal.Text to Receipt.txt
147             outFile.WriteLine("Your total is: " & txtTotal.Text)
148
149             ' If rdbInstaCard is checked then receipt will say "Instacart"
150             If rdbInstaCart.Checked Then
151                 outFile.WriteLine("               Instacart" & vbNewLine)
152
153                 ' Else it will display "Pickup: -5% Discount"
154             Else
155                 outFile.WriteLine("       Pickup: -5% Discount" & vbNewLine)
156             End If
157
158             ' Writes thank you message to Receipt.txt
159             outFile.WriteLine("Thank you for shopping at Stater Bros. Markets.")
160
161             MessageBox.Show("Your receipt has been saved to your files" &        ⏎
                  vbNewLine & "(Midterm Project\bin\Debug)",
162                           "Stater Bros. Markets", MessageBoxButtons.OK,           ⏎
                      MessageBoxIcon.Information)
163         Else
164
165             ' Message box reminding user to completely fill all fields
166             MessageBox.Show("Please complete all of the fields.", "Stater Bros.   ⏎
                  Markets",
167                 MessageBoxButtons.OK, MessageBoxIcon.Information)
168         End If
169
170         ' Closes output file
171         outFile.Close()
172
173         ' Sets Clicked flag to True
174         Clicked = True
175     End Sub
176
177     ' Closes program when btnExit is clicked
178     Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles          ⏎
          btnExit.Click
179         Close()
180     End Sub
```

```vb
181
182     'Selects all text in txtFirstName when the text box is clicked
183     Private Sub txtFirstName_Click(sender As Object, e As EventArgs) Handles      ⇝
          txtFirstName.Click
184         txtFirstName.SelectAll()
185     End Sub
186
187     'Selects all text in txtLasttName when the text box is clicked
188     Private Sub txtLastName_Click(sender As Object, e As EventArgs) Handles       ⇝
          txtLastName.Click
189         txtLastName.SelectAll()
190     End Sub
191
192     'Populates all of the Checked List Boxes when the form loads
193     Private Sub Form1_Load(sender As Object, e As EventArgs) Handles Me.Load
194         PopulateComboBox(cboMilk, Milk)
195         PopulateComboBox(cboEggs, Eggs)
196         PopulateComboBox(cboVegetables, Vegetables)
197         PopulateComboBox(cboFruits, Fruits)
198         PopulateComboBox(cboMeat, Meat)
199         PopulateComboBox(cboWater, Water)
200         PopulateComboBox(cboBread, Bread)
201     End Sub
202
203     ' Allows only Letters, spaces, backspaces, and hyphens to be entered into     ⇝
          txtFirstName
204     Private Sub txtFirstName_KeyPress(sender As Object, e As KeyPressEventArgs)    ⇝
          Handles txtFirstName.KeyPress
205         If Not Char.IsLetter(e.KeyChar) AndAlso e.KeyChar <> ControlChars.Back     ⇝
              AndAlso e.KeyChar <> "-" AndAlso e.KeyChar <> " " Then
206             e.Handled = True
207         End If
208     End Sub
209
210     ' Allows only Letters, spaces, backspaces, and hyphens to be entered into     ⇝
          txtLastName
211     Private Sub txtLastName_KeyPress(sender As Object, e As KeyPressEventArgs)     ⇝
          Handles txtLastName.KeyPress
212         If Not Char.IsLetter(e.KeyChar) AndAlso e.KeyChar <> ControlChars.Back     ⇝
              AndAlso e.KeyChar <> "-" AndAlso e.KeyChar <> " " Then
213             e.Handled = True
214         End If
215     End Sub
216 End Class
217
```