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1  'Anthony Shore
2  'RCET 0265
3  'Spring 2020
4  'Stan's Grocery
5
6  Option Compare Binary
7
8  Public Class StansGroceryForm
9      Private groceryTextFile As String = "G:\My Drive\Visual Basic Class\AVS-VS-
      S20\StansGrocery\Grocery.txt"
10     Public itemAisleInfo(2, 4) As String
11
12     'Loads Data into an array when the program starts
13     Sub ReadFileItemsToArray()
14         Dim itemAisle As Integer = 0
15
16         'loads data from file
17         Try
18             FileOpen(1, groceryTextFile, OpenMode.Input)
19             Do While Not EOF(1)
20                 Input(1, itemAisleInfo(itemAisle, 0))
21                 Input(1, itemAisleInfo(itemAisle, 1))
22                 Input(1, itemAisleInfo(itemAisle, 2))
23                 Input(1, itemAisleInfo(itemAisle, 3))
24                 Input(1, itemAisleInfo(itemAisle, 4))
25                 itemAisle += 1
26             Loop
27         Catch ex As Exception
28             Console.WriteLine(ex.Message)
29         Finally
30             FileClose(1)
31         End Try
32
33         'loads data into combo box for user to choose from
34         For i = 0 To 2
35             For j = 0 To 4
36                 ItemComboBox.Items.Add(itemAisleInfo(i, j))
37             Next
38         Next
39
40         'loads data into display list box for user to choose from
41         For i = 0 To 2
42             For j = 0 To 4
43                 ItemDisplayListBox.Items.Add(itemAisleInfo(i, j))
44             Next
45         Next
46
47     End Sub
48
49     'triggers when search button is clicked
50     Sub SearchItems()
51         AisleDisplayLabel.Text = ""
```

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52
53
54     Try
55         'searches aisle 1
56         For i = 0 To 4
57             If itemAisleInfo(0, i) = SearchTextBox.Text Then
58                 AisleDisplayLabel.Text = "Your Item is on aisle 1."
59             End If
60         Next
61
62         'searches aisle 2
63         For i = 0 To 4
64             If itemAisleInfo(1, i) = SearchTextBox.Text Then
65                 AisleDisplayLabel.Text = "Your Item is on aisle 2."
66             End If
67         Next
68
69         'searches aisle 3
70         For i = 0 To 4
71             If itemAisleInfo(2, i) = SearchTextBox.Text Then
72                 AisleDisplayLabel.Text = "Your Item is on aisle 3."
73             End If
74         Next
75         'if code above fails an error message is given
76     Catch ex As Exception
77         MsgBox("Please enter a proper value")
78     End Try
79
80     'if the item was not found
81     If AisleDisplayLabel.Text = "" Then
82         AisleDisplayLabel.Text = "Your item was not found"
83     End If
84
85 End Sub
86 Private Sub SearchButton_Click(sender As Object, e As EventArgs) Handles SearchButton.Click
87
88     'closes the program if zzz is entered
89     If SearchTextBox.Text = "zzz" Then
90         Me.Close()
91     Else
92         SearchItems()
93     End If
94
95 End Sub
96
97 Private Sub StansGroceryForm_Load(sender As Object, e As EventArgs) Handles MyBase.Load
98
99     'loads data into the array for the program to search through when search button is clicked
100    ReadFileItemsToArray()
```

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101
102     End Sub
103
104     Private Sub ItemComboBox_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ItemComboBox.SelectedIndexChanged ➤
105
106         'if there is a change in the combo box the display list box is cleared ➤
107         'and the text in the combo box is loaded into the search text box
108         If ItemComboBox.selectedindex <> -1 Then
109             ItemDisplayListBox.selectedindex = -1
110             SearchTextBox.text = ItemComboBox.selecteditem.tostring
111         End If
112     End Sub
113
114     Private Sub ItemDisplayListBox_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ItemDisplayListBox.SelectedIndexChanged ➤
115
116         'if there is a change in the display list box the combo box is cleared ➤
117         'and the text in the display list box is loaded into the search text box
118         If ItemDisplayListBox.selectedindex <> -1 Then
119             ItemcomboBox.selectedindex = -1
120             SearchTextBox.text = ItemDisplayListBox.selecteditem.tostring
121         End If
122     End Sub
123
124 End Class
125
```