```vbnet
1  'Nathan Comstock
2  'RCET0265
3  'Spring 2020
4  'StansGrochery
5  'https://github.com/comsnath/NC-VS-S20
6
7  Public Class StansGroceryForm
8      'Array is created with 15 slots
9      Dim systemArray(2, 4) As String
10
11     'Selector is created.
12     Dim x As Integer = 0
13     Dim y As Integer = 0
14
15
16     Private Sub StansGroceryForm_Load(sender As Object, e As EventArgs) Handles ⮡
           MyBase.Load
17         'File is located and read as string.
18         Dim file As String = "..\..\test.txt"
19
20         'Open File
21         FileOpen(1, file, OpenMode.Input)
22
23         'While there is data, this loops.
24         Do While Not EOF(1)
25             systemArray(x, y) = LineInput(1)
26             ComboBox1.Items.Add(systemArray(x, y))
27             If y < 4 Then
28                 y = y + 1
29             ElseIf y = 4 Then
30                 y = 0
31                 x = x + 1
32             ElseIf x > 4 Then
33                 MsgBox("Overflow Detected.")
34                 Me.Close()
35             Else
36                 MsgBox("System Error.")
37                 Me.Close()
38             End If
39
40         Loop
41         FileClose()
42
43     End Sub
44
45     Private Sub AboutTopMenuItem_Click(sender As Object, e As EventArgs) Handles ⮡
           AboutTopMenuItem.Click
46         MsgBox("GUI: Tim Rossitor" & vbNewLine & "Program: Nathan Comstock" & ⮡
               vbNewLine & "Version: 0.1")
47     End Sub
48
49
```

```vb
50      Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs) ⮡
            Handles ComboBox1.SelectedIndexChanged
51          Dim stopper As Boolean
52
53          'Prepare to search the array
54          stopper = True
55          x = 0
56          y = 0
57          DisplayListBox.Items.Clear()
58
59          'Search the array
60          Do While stopper = True
61              If ComboBox1.Text = systemArray(x, y) Then
62                  stopper = False
63                  DisplayListBox.Items.Add("You will find " & systemArray(x, y) & " ⮡
                        on asile #" & (x + 1) & ", item #" & (y + 1))
64              ElseIf y < 4 Then
65                  y = y + 1
66              ElseIf y = 4 Then
67                  y = 0
68                  x = x + 1
69              ElseIf x > 4 Then
70                  stopper = False
71                  MsgBox("Item not found!")
72              End If
73          Loop
74
75      End Sub
76
77      Private Sub TextBox1_TextChanged(sender As Object, e As EventArgs) Handles    ⮡
            TextBox1.TextChanged
78          'Lock the dropdown if text is entered.
79          If TextBox1.Text = "" Then
80              ComboBox1.Enabled = True
81          Else
82              ComboBox1.Enabled = False
83          End If
84      End Sub
85
86      Private Sub SearchButton_Click(sender As Object, e As EventArgs) Handles       ⮡
            SearchButton.Click
87          Dim stopper As Boolean
88
89          'Prepare to search the array
90          stopper = True
91          x = 0
92          y = 0
93          DisplayListBox.Items.Clear()
94
95          'Search the array
96          Do While stopper = True
97              Try
```

```vb
 98                        If TextBox1.Text = "" Then
 99                            stopper = False
100                            MsgBox("Please enter a search or select from the dropdown.")
101                        ElseIf LCase(TextBox1.Text) = "zzz" Then
102                            stopper = False
103                            Me.Close()
104                        ElseIf LCase(TextBox1.Text) = LCase(systemArray(x, y)) Then
105                            stopper = False
106                            DisplayListBox.Items.Add("You will find " & systemArray(x, y) ⮠
                                & " on asile #" & (x + 1) & ", item #" & (y + 1))
107                        ElseIf y < 4 Then
108                            y = y + 1
109                        ElseIf y = 4 Then
110                            y = 0
111                            x = x + 1
112                        ElseIf x > 4 Then
113                            stopper = False
114                            MsgBox("Item not found!")
115                        End If
116                    Catch ex As Exception
117                        stopper = False
118                        MsgBox("Item not found!")
119                        TextBox1.Text = ""
120                    End Try
121
122            Loop
123        End Sub
124
125        Private Sub ExitToolStripMenuItem_Click(sender As Object, e As EventArgs)      ⮠
              Handles ExitToolStripMenuItem.Click
126            Me.Close()
127        End Sub
128    End Class
129
```