```vb
1  'Doyle Shaw
2  'RCET0265
3  'Spring 2020
4  'RollDiceForm
5  'https://github.com/shawdoyl/DHS-VS-S20
6  Option Strict On
7  Option Explicit On
8  Option Compare Binary
9  Public Class DiceRollForm
10
11     'Button that rolls two dice and adds the results displaying number of each    ⇗
           result.
12     Private Sub RollButton_Click(sender As Object, e As EventArgs) Handles        ⇗
         RollButton.Click, RollToolStripMenuItem.Click
13         Dim sumDice As Integer
14         Static firstDice As Integer
15         Static secondDice As Integer
16         Dim diceArray(1, 12) As Integer
17
18         For i = 1 To 1000
19             Randomize()
20             firstDice = CInt((5 * Rnd()) + 1)
21             Randomize()
22             secondDice = CInt((5 * Rnd()) + 1)
23             sumDice = firstDice + secondDice
24             For j = 2 To 12
25                 diceArray(0, j) = j
26             Next
27             Select Case sumDice
28                 Case sumDice
29                     diceArray(1, sumDice) += 1
30             End Select
31         Next
32
33         TotalsListBox.Items.Add(Space(3) & "Result of Roll" & Space(2))
34         TotalsListBox.Items.Add(StrDup(20, "*"))
35         TotalsListBox.Items.Add("|Value" & Space(5) & "|# ")
36         TotalsListBox.Items.Add(StrDup(20, "*"))
37         For i = 2 To 12
38             TotalsListBox.Items.Add("|" & CStr(diceArray(0, i)).PadRight(10) &    ⇗
                 "|" & diceArray(1, i))
39         Next
40         TotalsListBox.Items.Add(StrDup(20, "*"))
41
42         'Disables Roll button after first click and enables Reroll.
43         RollButton.Enabled = False
44         ReRollButton.Enabled = True
45         RerollToolStripMenuItem.Enabled = True
46         RollToolStripMenuItem.Enabled = False
47
48     End Sub
49
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50        'Button that clears the listbox and rolls the two dice again and redisplays
              the results.
51        Private Sub ReRollButton_Click(sender As Object, e As EventArgs) Handles
              ReRollButton.Click, RerollToolStripMenuItem.Click
52            Dim sumDice As Integer
53            Static firstDice As Integer
54            Static secondDice As Integer
55            Dim diceArray(1, 12) As Integer
56
57            TotalsListBox.Items.Clear()
58
59            For i = 1 To 1000
60                Randomize()
61                firstDice = CInt((5 * Rnd()) + 1)
62                Randomize()
63                secondDice = CInt((5 * Rnd()) + 1)
64                sumDice = firstDice + secondDice
65
66                For j = 2 To 12
67                    diceArray(0, j) = j
68                Next
69
70                Select Case sumDice
71                    Case sumDice
72                        diceArray(1, sumDice) += 1
73                End Select
74            Next
75
76            TotalsListBox.Items.Add(Space(3) & "Result of Roll" & Space(2))
77            TotalsListBox.Items.Add(StrDup(20, "*"))
78            TotalsListBox.Items.Add("|Value" & Space(5) & "|# ")
79            TotalsListBox.Items.Add(StrDup(20, "*"))
80            For i = 2 To 12
81                TotalsListBox.Items.Add("|" & CStr(diceArray(0, i)).PadRight(10) &
                      "|" & diceArray(1, i))
82            Next
83            TotalsListBox.Items.Add(StrDup(20, "*"))
84
85        End Sub
86
87        'Button that closes the program.
88        Private Sub ExitButton_Click(sender As Object, e As EventArgs) Handles
              ExitButton.Click, ExitToolStripMenuItem.Click
89            Me.Close()
90        End Sub
91
92        'Button that clears the listbox, and resets the Roll and Reroll buttons.
93        Private Sub ClearButton_Click(sender As Object, e As EventArgs) Handles
              ClearButton.Click, ClearToolStripMenuItem.Click
94            TotalsListBox.Items.Clear()
95            RollButton.Enabled = True
96            ReRollButton.Enabled = False
```

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 97            RerollToolStripMenuItem.Enabled = False
 98            RollToolStripMenuItem.Enabled = True
 99        End Sub
100
101        'Toolstrip menu to show some details of the program
102        Private Sub AboutToolStripMenuItem_Click(sender As Object, e As EventArgs)  ⏎
            Handles AboutToolStripMenuItem.Click
103            MsgBox("DiceRolle program Beta Version 1.0.001" & vbNewLine _
104                    & "Doyle Shaw" & vbNewLine _
105                    & "Spring 2020" & vbNewLine _
106                    & "RCET0265" & vbNewLine _
107                    & "In association with Elmer Fudd Industries.")
108        End Sub
109
110  End Class
111
```