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

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97         RollButton.Enabled = True
98         ReRollButton.Enabled = False
99         RerollToolStripMenuItem.Enabled = False
100        RollToolStripMenuItem.Enabled = True
101    End Sub
102
103    'ToolStrip menu to show some details of the program
104    Private Sub AboutToolStripMenuItem_Click(sender As Object, e As EventArgs) ➤
105        Handles AboutToolStripMenuItem.Click
106        MsgBox("DiceRolle program Beta Version 1.0.001" & vbNewLine _
107            & "Doyle Shaw" & vbNewLine _
108            & "Spring 2020" & vbNewLine _
109            & "RCET0265" & vbNewLine _
110            & "In association with Elmer Fudd Industries.")
111    End Sub
112 End Class
113
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