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1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Yahtzee!</title>
5     <!-- Bootstrap CDN -->
6     <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.cs
s" integrity="sha384-
gg0yR0iXcBMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRXT2MZw1T"
crossorigin="anonymous">
7     <!-- Custom CSS -->
8     <style>
9       .centerText {
10         text-align: center;
11       }
12
13       .mainLogo {
14         width: 30%;
15         color: white;
16         text-align: center;
17         display: inline-block;
18         margin-bottom: 50px;
19         margin-top: 50px;
20       }
21
22       body {
23         background: #C1252C;
24         text-align: center;
25       }
26
27       .yahtzeeContainer {
28         background: white;
29         padding-top: 20px;
30         border-style: solid;
31         border-color: black;
32         border-width: 2px;
33         width: 100%;
34         height: 100%;
35         margin-bottom: 200px;
36       }
37
38       .clickMeButton {
39         background: #C1252C;
40         margin-bottom: 20px;
41         background-color: #C1252C;
42         -moz-border-radius: 28px;
43         -webkit-border-radius: 28px;
44         border-radius: 28px;
45         border: 1px solid #C1252C;
46         display: inline-block;
47         cursor: pointer;
48         color: #ffffff;
49         font-family: Arial;
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50         font-size:17px;
51         padding:10px 25px;
52         text-decoration:none;
53         text-shadow:0px 1px 0px #C1252C;
54     }
55
56     .clickMeButton:hover{
57         background-color:#b12222;
58         border:1px solid #b12222;
59     }
60
61     </style>
62 </head>
63 <body>
64     
65
66     <div class="container centerText yahtzeeContainer">
67         <h2>Ready to play?</h2>
68         <label for="yahtzeeNumberInput">What number do you want to use
for Yahtzee?</label>
69         <input type="text" id="yahtzeeNumberInput">
70
71         <br>
72
73         <button onclick="rollTheDie()" class="clickMeButton"
id="yahtzeeButton">Click Me</button>
74
75         <br>
76
77         <img src="" id="yahtzeeDice1">
78         <img src="" id="yahtzeeDice2">
79         <img src="" id="yahtzeeDice3">
80         <img src="" id="yahtzeeDice4">
81         <img src="" id="yahtzeeDice5">
82
83         <br>
84
85         <p id="dice1Count"></p>
86         <p id="dice2Count"></p>
87         <p id="dice3Count"></p>
88         <p id="dice4Count"></p>
89         <p id="dice5Count"></p>
90         <p id="totalDiceCount"></p>
91
92     </div>
93
94     <script>
95
96         function dieRoll(dieNumber) {
97             //Dice image variable that takes the function input
98             var diceImage = document.getElementById("yahtzeeDice" +
dieNumber);

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100
101         //The user dice selection
102         var userDiceNumber =
103         parseInt(document.getElementById("yahtzeeNumberInput").value);
104
105         //Dice output variables
106         var dieCountOutput = document.getElementById("dice" +
107         dieNumber + "Count");
108
109         //Declare other variables
110         var dieRoll;
111         var numDieRolls = 0;
112
113         do {
114             //Roll the die
115             dieRoll = Math.floor(Math.random() * 5 + 1);
116             //Add to the total number of die rolls
117             numDieRolls += 1;
118             //Set the dice image to the die roll
119             diceImage.src = "dice" + userDiceNumber + "Use.jpg";
120         } while (dieRoll != userDiceNumber);
121
122         //Output the number of rolls that it took to get the
123         correct number
124         dieCountOutput.innerHTML = "Dice " + dieNumber + " Rolls
125         = " + numDieRolls;
126
127         //Returns the number of times that it took to get the
128         correct number
129         return numDieRolls;
130     }
131
132     function rollTheDie() {
133         //Output variables
134         var outputTotalDieRolls =
135         document.getElementById("totalDiceCount");
136
137         //Other Variables
138         var userDiceNumber =
139         parseInt(document.getElementById("yahtzeeNumberInput").value);
140         var totalDieRolls = 0;
141         var iCount = 0;
142
143         if (userDiceNumber >= 1 && userDiceNumber <= 6) {
144             for (iCount = 1; iCount < 6; iCount++) {
145                 //Rolls the die and gets the return value and
146                 adds that to the number of total die rolls
147                 totalDieRolls = totalDieRolls + dieRoll(iCount);
148             }
149
150             //Output the total number of die rolls
151             outputTotalDieRolls.innerHTML = "Total # of rolls: "
152             . totalDieRolls;

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145 + totalDieRolls;
146     }
147     else {
148         //If the number is not valid, alert the user and put
focus on the number input
149         alert("Must select a number between 1 and 6.");
150     }
151     document.getElementById("yahtzeeNumberInput").focus();
152 }
153
154 //When user hits the enter button, run the button function
155 var input = document.getElementById("yahtzeeNumberInput");
156 input.addEventListener("keyup", function(event) {
157     event.preventDefault();
158     if (event.keyCode === 13) {
159         document.getElementById("yahtzeeButton").click();
160     }
161 });
162
163
164 </script>
165 </body>
166 </html>
```