Tree: ed54493d09 ▾   **bowling-challenge** / **SpecRunner.html**

Find file   Copy path

26 lines (19 sloc) | 677 Bytes

```html
1   <!DOCTYPE html>
2   <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Jasmine Spec Runner v2.8.0</title>
6
7     <link rel="shortcut icon" type="image/png" href="lib/jasmine-2.8.0/jasmine_favicon.png">
8     <link rel="stylesheet" href="lib/jasmine-2.8.0/jasmine.css">
9
10    <script src="lib/jasmine-2.8.0/jasmine.js"></script>
11    <script src="lib/jasmine-2.8.0/jasmine-html.js"></script>
12    <script src="lib/jasmine-2.8.0/boot.js"></script>
13
14    <!-- include source files here... -->
15    <script src="src/BowlingScore.js"></script>
16
17    <!-- include spec files here... -->
18    <script src="spec/SpecHelper.js"></script>
19    <script src="spec/BowlingScoreSpec.js"></script>
20
21  </head>
22
23  <body>
24  </body>
25  </html>
```

75 lines (70 sloc) | 2.04 KB

```html
1   <!DOCTYPE html>
2   <html>
3   <head>
4   <title>BowlingScore</title>
5   <link rel="stylesheet" href="src/style.css">
6   </head>
7   <body>
8
9     <div class="rolls">
10          <ul>
11            <li>0</li>
12            <li>1</li>
13            <li>2</li>
14            <li>3</li>
15            <li>4</li>
16            <li>5</li>
17            <li>6</li>
18            <li>7</li>
19            <li>8</li>
20            <li>9</li>
21            <li>10</li>
22          </ul>
23        </div>
24
25        <div id='scorecard'>
26        <table id='scorecardTable' class='scorecard' cellpadding='1' cellspacing='0'>
27          <tr>
28            <th colspan='6'>Frame 1</th>
29            <th colspan='6'>Frame 2</th>
30            <th colspan='6'>Frame 3</th>
31            <th colspan='6'>Frame 4</th>
32            <th colspan='6'>Frame 5</th>
33            <th colspan='6'>Frame 6</th>
34            <th colspan='6'>Frame 7</th>
35            <th colspan='6'>Frame 8</th>
36            <th colspan='6'>Frame 9</th>
37            <th colspan='6'>Frame 10</th>
38            <th colspan='6'>Score</th>
39          </tr>
40          <tr>
41            <td id="frame1"colspan='6'></td>
42            <td id="frame2" colspan='6'></td>
43            <td id="frame3" colspan='6'></td>
44            <td id="frame4" colspan='6'></td>
45            <td id="frame5" colspan='6'></td>
46            <td id="frame6" colspan='6'></td>
47            <td id="frame7" colspan='6'></td>
48            <td id="frame8" colspan='6'></td>
49            <td id="frame9" colspan='6'></td>
50            <td id="frame10" colspan='6'></td>
51            <td class='total' colspan='6'></td>
52          </tr>
53          <tr>
54            <td colspan='6'id="score1"></td>
55            <td colspan='6'id="score2"></td>
56            <td colspan='6'id="score3"></td>
57            <td colspan='6'id="score4"></td>
58            <td colspan='6'id="score5"></td>
59            <td colspan='6'id="score6"></td>
60            <td colspan='6'id="score7"></td>
61            <td colspan='6'id="score8"></td>
62            <td colspan='6'id="score9"></td>
63            <td colspan='6'id="score10"></td>
64            <td colspan='6'></td>
65          </tr>
66        </table>
67      </div>
68
69
70   <script src="src/BowlingScore.js"></script>
71   <script src="src/lib/jquery-3.2.1.slim.min.js"></script>
72   <script src="src/Controller.js"></script>
73   </body>
74   </html>
```

Tree: ed54493d09 ▾   **bowling-challenge** / spec / **BowlingScoreSpec.js**   Find file | Copy path

Fetching contributors…

⊘ Cannot retrieve contributors at this time

68 lines (55 sloc) | 1.71 KB

```javascript
 1  describe("BowlingScore", function(){
 2
 3    var bowlingScore;
 4
 5    beforeEach(function(){
 6      bowlingScore = new BowlingScore();
 7    })
 8
 9    // it("should accept a roll", function(){
10    //   bowlingScore.roll(2);
11    //   expect(bowlingScore.pinsLeft()).toEqual(8);
12    // })
13
14    it("retun all the rolls", function(){
15      bowlingScore.roll(4);
16      bowlingScore.roll(5);
17      expect(bowlingScore.rolls()).toEqual([4, 5]);
18    })
19
20
21    it("retun all the scores", function(){
22      expect(bowlingScore.scores()).toEqual(jasmine.any(Array));
23    })
24
25    describe("frames", function(){
26      it("should print the current frame",function(){
27        expect(bowlingScore.currentFrame()).toEqual(0);
28      })
29    })
30
31    describe("strike", function(){
32      it("should print the current score",function(){
33        bowlingScore.roll(10);
34        bowlingScore.calculateScore();
35        expect(bowlingScore.score()).toEqual(10);
36      })
37
38      it("scores should update to include the next 2 rolls",function(){
39        bowlingScore.roll(10);
40        bowlingScore.roll(2);
41        bowlingScore.roll(5);
42        bowlingScore.calculateScore();
43        expect(bowlingScore.scores()[0]).toEqual(17);
44      })
45
46    })
47
48    describe("spare", function(){
49      it("scores should update to include the next roll from the next frame", function(){
50        bowlingScore.roll(5);
51        bowlingScore.roll(5);
52        bowlingScore.roll(2);
53        bowlingScore.calculateScore();
54        expect(bowlingScore.scores()[0]).toEqual(12);
55      })
56    })
57
58    describe("normal rolls", function(){
59      it("score should be the same of the the 2 rolls in the same frame", function(){
60        bowlingScore.roll(2);
61        bowlingScore.roll(5);
62        bowlingScore.roll(2);
63        bowlingScore.calculateScore();
64        expect(bowlingScore.scores()[0]).toEqual(7);
65      })
66    })
67  })
```

Tree: ed54493d09 ▾ **bowling-challenge** / spec / **SpecHelper.js**   Find file   Copy path

Fetching contributors…

Cannot retrieve contributors at this time

2 lines (0 sloc) | 1 Byte

1

Fetching contributors…

🔘 Cannot retrieve contributors at this time

89 lines (75 sloc) | 1.89 KB

```javascript
function BowlingScore(){
  this._pinsLeft = 10;
  this._currentFrame = 0;
  this._score = 0;
  this._scores = [];
  this._rolls = [];

}

BowlingScore.prototype.roll = function(pins){
  this._score = 0;
  this._scores = [];
  this._currentFrame=0;
  this._rolls.push(pins);
}

// BowlingScore.prototype.pinsLeft = function(){
//   return this._pinsLeft;
// }

BowlingScore.prototype.currentFrame = function(){
  return this._currentFrame;
}

BowlingScore.prototype.score= function(){
  return this._score
}

BowlingScore.prototype.rolls = function(){
  return this._rolls;
}

BowlingScore.prototype.scores = function(){
  return this._scores
}

BowlingScore.prototype.calculateScore = function(){
  var arr = this._rolls;
  function next(i){
    if (arr[i+1] !== undefined){return arr[i+1];}
    else{return 0;}
  }

  for(var i = 0; i < arr.length; i++){
    if(this._currentFrame < 9){
      if(arr[i] === 10){
        var score = this._rolls[i]+next(i)+next(i+1);
        this._score += score;
        this._scores.push(score);
        this._currentFrame+=1;
      }

      else if(arr[i] < 10 && arr[i] + next(i) === 10){
        var score = this._rolls[i]+next(i)+next(i+1);
        this._score += score;
        this._scores.push(score);
        this._currentFrame+=1;
        i+=1;
      }
      else if(arr[i]< 10 && next(i)+arr[i]< 10){
        var score = this._rolls[i]+next(i);
        this._score += score;
        this._currentFrame+=1;
        this._scores.push(score);
        i+=1;
      }
    }

    else if(this._currentFrame < 10){
      if(arr[i] === 10 || arr[i] + next(i) === 10){
        var score = this._rolls[i]+next(i)+next(i+1);
        this._score += score;
        this._currentFrame+=1;
        this._scores.push(score);
        i+=1;
      }
      else{
        var score = this._rolls[i]+next(i);
        this._score += score;
        this._currentFrame+=1;
        this._scores.push(score);
        i+=1;
      }
    }
  }

  }
}
```

Tree: ed54493d09 ▾   **bowling-challenge** / src / **Controller.js**   Find file   Copy path

14 lines (12 sloc) | 425 Bytes

```javascript
$(function(){
  var bowling = new BowlingScore();
  $('.rolls li').on('click',function(){
    var pins = $(this).html()

    bowling.roll(parseInt(pins));
    bowling.calculateScore();
    var index = bowling.currentFrame()
    $('#frame'+index).html('<span>'+bowling.scores()[index-1]+'<span>')
    $('#score'+index).html('<span>'+bowling.score()+'<span>')
    $('.total').html('<span>'+bowling.score()+'<span>')
  })
})
```

Tree ed54493d09 ⌄ **bowling-challenge** / src / **style.css**   Find file   Copy path

53 lines (43 sloc) | 921 Bytes

```css
1   .rolls ul li{
2       list-style-type: none;
3       display: inline-block;
4       background: #999;
5       margin: 0;
6       padding: 3px 10px;
7       border-radius: 10px 10px 0 0;
8       color: #fff;
9       font-weight: 200;
10      cursor: pointer;
11  }
12
13  .rolls ul li:hover {
14      color: #fff;
15      background: #666;
16  }
17
18  .rolls{
19      position: absolute;
20      top:20%;
21      left:30%;
22
23  }
24
25  #scorecard{
26      position: absolute;
27      top:30%;
28
29
30  }
31  table.scorecard {margin: 0
32      auto; width:80%;
33      font-size:12px;
34      border:1px solid;
35       text-align: center;
36       table-layout: fixed;
37    margin-bottom: 40px;}
38
39      table.scorecard th, tr, td {
40        border:1px solid;
41        padding: 0;
42         vertical-align: middle;
43          font-family: Arial,Helvetica, sans-serif;
44           text-align: center;}
45
46      table.scorecard th {border-bottom:1px solid;
47         background-color:#7f8c8d;
48          height:30px;
49           color: #fff}
50
51          table.scorecard td {height:30px;
52             background: rgba(255, 255, 255, 0.5);}
```