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1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="utf-8">
5     <title>CNIT133 Homework 3 Part II</title>
6     <meta name="description" content="This is homework 3 Part 2 to compute seller's
7 Commissions for 4 items">
8     <link rel="stylesheet" type="text/css" href="hw3pt2style.css">
9     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.0/jquery.min.js"
10 ></script>
11     <script src=
12 "https://cdn.jsdelivr.net/jquery.validation/1.16.0/jquery.validate.min.js"></script>
13     <script src=
14 "https://cdn.jsdelivr.net/jquery.validation/1.16.0/additional-methods.min.js"
15 ></script>
16
17 </head>
18 <body>
19     <header class="header-background">
20         <div class="header-container">
21             <a href="hw3.html" target="_self" class="header-text">CNIT 133 Homework 3 -
22 Functions</a>
23             <figure>
24                 <a href="https://www.ccsf.edu/" target="_self">
25                     
27                 </a>
28             </figure>
29         </div>
30     </header>
31
32     <div class="submenu-container">
33         <nav>
34             <a href="hw3-description.html" target="_self" class="button-two">Description
35             </a>
36             <a href="hw3-part1.html" target="_self" class="button-two">Part I</a>
37             <a href="hw3-part2.html" target="_self" class="button-two">Part II</a>
38             <a href="hw3-extra-credit.html" target="_self" class="button-two">Extra
39 Credit</a>
40         </nav>
41     </div>
42
43     <div class="hwk2box-box">
44         <div>
45             <header class="title">Sales Commissions</header>
46             <div class="hwk2box">
47                 <form id="inputForm">
48                     <br>
49                     <label for="sellerName">Seller's Name:</label>
50                     <input type="text" id="sellerName" class="nameField" value=""
51 required>
52                     <br>
53                     <h4>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&For each item type the quantity sold by the seller
&nbsp;&nbsp;&nbsp;&nbsp;&.</h4>
54
55                     <label for="item1">Item 1: </label>
56                     <input type="number" class="left" id="item1" name="item1" data-item=
57 "1" min="0">
58                     <br>
59                     <label for="item2">Item 2: </label>
60                     <input type="number" class="left" id="item2" name="item2" data-item=
61 "2" min="0">
62                     <br>
63                     <label for="item3">Item 3: </label>
64                     <input type="number" class="left" id="item3" name="item3" data-item=
65 "3" min="0">
66                     <br>

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54         <label for="item4">Item 4:</label>
55         <input type="number" class="left" id="item4" name="item4" data-item=
           "4" min="0"><br>
56
57         <div class="submit-reset">
58             <div class="button-container">
59
60                 &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
61                 <input type="submit" class="buttonSubmit" value="SUBMIT">
           <input type="reset" id="clearForm" class="buttonSubmit" value
           ="CLEAR FORM">
62             </div>
63         </div>
64     </form>
65     <div class="output-box">
66         <table id="outputTable" class="outputTable">
67             <tr>
68                 <td class="blackBold">Item #</td>
69                 <td class="blackBold">Price</td>
70                 <td class="blackBold2">Qty Sold</td>
71                 <td class="blackBold3">Total</td>
72             </tr>
73             <tr>
74                 <td>1</td>
75                 <td>$20.99</td>
76                 <td><input type="text" id="numSold1" class="numField"
           readonly></td>
77                 <td><input type="text" id="total1" class="right-table"
           readonly></td>
78             </tr>
79             <tr>
80                 <td>2</td>
81                 <td>$12.75</td>
82                 <td><input type="text" id="numSold2" class="numField"
           readonly></td>
83                 <td><input type="text" id="total2" class="right-table"
           readonly></td>
84             </tr>
85             <tr>
86                 <td>3</td>
87                 <td>$&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
           9.95</td>
88                 <td><input type="text" id="numSold3" class="numField"
           readonly></td>
89                 <td><input type="text" id="total3" class="right-table"
           readonly></td>
90             </tr>
91             <tr>
92                 <td>4</td>
93                 <td>$35.89</td>
94                 <td><input type="text" id="numSold4" class="numField"
           readonly></td>
95                 <td><input type="text" id="total4" class="right-table"
           readonly></td>
96             </tr>
97         </table>
98         <table>
99             <tr>
100                <td class="left-table">
                   &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
                   &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
                   &nbsp;&nbsp;&nbsp;&nbsp;&~
                   Total Amount Sold:</td>
101                <td><input type="text" id="totalSold" class="right-table"
                   readonly></td>
102            </tr>
103            <tr>
104                <td class="left-table">
                   &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~

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105         nbsp;Total Weekly Earnings:</td>
        <td><input type="text" id="totalEarn" class="right-table"
        readonly></td>
106     </tr>
107 </table>
108 </div>
109 </div>
110 </div>
111 </div>
112
113 <article class="solution-box">
114     <header>
115         <h2>Homework 3 Part I Function solution</h2>
116     </header>
117     <div class="solution-frame">
118         <iframe src="hw3pt2.pdf"></iframe>
119     </div>
120     <br><br>
121 </article>
122
123 <footer>
124     <br>
125     <figure>
126         <div class="footer-text-container">
127             
128             <p>Teresita Anselm<br>
129                 City College of San Francisco<br>
130                 tanselm@mail.ccsf.edu<br></p>
131         </div>
132     </figure>
133     <p class="right-text">Copyright of Teresita Anselm &copy; 2023</p>
134 </footer>
135
136 <script>
137     // jQuery validation code
138     jQuery.validator.setDefaults({
139         debug: true,
140         success: "valid",
141         errorClass: "error-text" // Apply the "error-text" class to error messages
142     });
143
144     // Custom error message for the sellerName field
145     var itemValidationMessages = {
146         "sellerName": "Please enter your name!"
147     };
148
149     // Create an array of item field names
150     var itemFields = ["item1", "item2", "item3", "item4"];
151
152     // Create an object to store validation rules for all item fields
153     var itemValidationRules = {};
154
155     // Validation rules and messages for each item field
156     for (var i = 1; i <= 4; i++) {
157         var itemFieldName = "item" + i;
158         itemValidationRules[itemFieldName] = {
159             required: true,
160             number: true,
161             min: 0
162         };
163         itemValidationMessages[itemFieldName] = {
164             required: "Please enter a quantity for Item " + i + "!",
165             number: "Numbers only for Item " + i + "!",
166             min: "Positive number only for Item " + i + "!"
167         };
168     }
169

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170     $('#inputForm').validate({
171         rules: itemValidationRules,
172         messages: itemValidationMessages,
173         submitHandler: function (form) {
174             // The form is valid, you can submit it here if needed.
175             // For now, let's update the item totals.
176             updateItemTotals();
177             sumCommission();
178             return false; // Prevent form submission
179         }
180     });
181
182     // Event listener for the "CLEAR FORM" button
183     $('#clearForm').click(function () {
184         // Reset the form
185         $('#inputForm')[0].reset();
186         // Clear the calculated fields
187         $('#numField, .right-table').val('');
188     });
189
190     // Listen for changes in item1-4 fields
191     $(document).ready(function () {
192         for (var i = 1; i <= 4; i++) {
193             $('#item' + i).on('input', function () {
194                 var itemId = $(this).data('item'); // Get the item number from
195                 data-item attribute
196                 var quantity = parseFloat($(this).val()); // Parse the input value
197                 as a float
198                 if (!isNaN(quantity) && quantity >= 0) {
199                     // If the input is a valid positive number, update numSold1-4
200                     with the valid quantity
201                     $('#numSold' + itemId).val(quantity);
202                 } else {
203                     // If the input is not valid (negative or non-numeric), reset it
204                     to 0 and clear numSold1-4
205                     $(this).val('0');
206                     $('#numSold' + itemId).val('');
207                 }
208                 updateItemTotals(); // Recalculate item totals
209             });
210         }
211     });
212
213     // Function to update item totals
214     function updateItemTotals() {
215         let prices = [20.99, 12.75, 9.95, 35.89];
216         for (var i = 1; i <= 4; i++) {
217             var itemId = i; // No need to get the data-item attribute again
218             var quantity = parseFloat($('#item' + i).val());
219             if (!isNaN(quantity) && quantity >= 0) {
220                 var total = (quantity * prices[i - 1]).toFixed(2);
221                 $('#total' + i).val('$' + total);
222             } else {
223                 $('#total' + i).val('');
224             }
225         }
226     }
227
228     // Calculate and update the commission
229     function sumCommission() {
230         var totalSales = 0;
231
232         // Loop through total1 to total4 and calculate the total sales
233         for (var i = 1; i <= 4; i++) {
234             var total = parseFloat($('#total' + i).val().replace('$', '')) || 0;
235             totalSales += total;
236         }
237     }

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233
234     // Calculate the commission (9% of totalSales + 200)
235     var commission = (0.09 * totalSales) + 200;
236
237     // Update the totalSold and commission for seller
238     $('#totalSold').val('$ ' + totalSales.toFixed(2)); // Add the "$" symbol
239     // before the totalSales value
240     $('#totalEarn').val('$ ' + commission.toFixed(2)); // Display with 2 decimal
241     // places
242 }
243 </script>
244 </body>
245 </html>
```