ICT10013 Distinction Task 1 Submission

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===

Copy and paste the HTML here between the dotted lines

This must be editable code (not a screen shot)

```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="TBS.css">
    <script src="TBS.js"></script>
    <title>CSBS</title>
</head>
<body>
    <header>
        <div class="welcome_div sansserif">
            <h1 style="text-align: center">Welcome to the Tour Booking System</h1>
            <p></p>
        </div>
    </header>
    <main>
        <div class="container">
            <form action="#" onsubmit="return false">
             <div class="row">
                <div class="col-25">
                    <label for="name">Name</label>
                </div>
                <div class="col-75">
                    <input type="text" name="name" id="name" placeholder="Enter Name">
                </div>
             </div>
             <div class="row">
                <div class="col-25">
                    <label for="tourCode">Tour Code</label>
                </div>
                <div class="col-75">
                    <input type="text" name="tourCode" id="tourCode" placeholder="Tour Code">
                </div>
             </div>
             <div class="row">
```

```html
                    <div class="col-25">
                        <label for="lunchCode">Lunch Code</label>
                    </div>
                    <div class="col-75">
                        <input type="text" name="lunchCode" id="lunchCode" placeholder="Lunch Code">
                    </div>
                </div>
                <div class="row">
                    <div class="col-25">
                        <label for="noOfGuest">Number of Guests</label>
                    </div>
                    <div class="col-75">
                        <input type="text" name="noOfGuest" id="noOfGuest" min=0 placeholder="Number of Guests">
                    </div>
                </div>
                <div class="row">
                    <div class="col-25">
                        <label for="agentId">Agent ID</label>
                    </div>
                    <div class="col-75">
                        <input type="text" name="agentId" id="agentId" placeholder="Agent ID">
                    </div>
                </div>
                <br>
            <hr>
                <div class="row">
                    <div class="col-25">

                    </div>
                    <div class="col-75  buttons">
                        <input type="submit" onclick=" displayTourOptions()" value="Tour-Option">
                        <input type="submit" onclick="displayLunchOptions()" value="Lunch-Option">
                        <input type="submit" onclick="validateAndCal()" value="Submit">
                    </div>
                </div>
                <div class="row">
                    <div class="col-25">
                      <label for="price">Price</label>
                    </div>
                    <div class="col-75">
                        <p id="price" name="price"></p>
                    </div>
                  </div>
                  <div class="row">
                    <div class="col-25">
```

```html
                    <label for="data">Show Data</label>
                </div>
                <div class="col-75">
                    <p id="data" name="data"></p>
                </div>
              </div>
            </form>
        </div>
    </main>
    <footer>
        <div class="footer_div sansserif">
            <p >Copyright &copy; 2020 All Rights Reserved by Mario Stavreski.
            </p>
        </div>
    </footer>
</body>
</html>
```

==

Copy and paste the CSS code here between the dotted lines

This must be editable code (not a screen shot)

```css
.sansserif {
    font-family: Arial, Helvetica, sans-serif;
}
body{

}
.welcome_div{
   background-color: rgba(0,26,73,0.8);
   color: #fff;
   margin: 0;
   padding: 1rem 2rem;
   text-align: center;
}
.footer_div{
   background-color: rgba(0, 0, 0, 0.8);
   color: #fff;
   margin: 0;
   padding: 1rem 2rem;
   text-align: center;
}
.footer_div a{
    text-decoration: none;
    color: antiquewhite;
}
* {
   box-sizing: border-box;
}
```

```css
    input[type=text],input[type=number], select, textarea {
    width: 100%;
    padding: 12px;
    border: 1px solid #ccc;
    border-radius: 4px;
    resize: vertical;
    }

label {
padding: 12px 12px 12px 0;
display: inline-block;
color: darkblue;
}

input[type=submit]{
background-color: #4CAF50;
color: white;
padding: 12px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
float: inherit;

}

input[type=submit]:hover {
background-color: #45a049;
}

.container {
border-radius: 5px;
background-color: #f2f2f2;
padding: 20px;
}

.col-25 {
font-family: Arial, Helvetica, sans-serif;
float: left;
width: 25%;
margin-top: 6px;
}

.col-75 {
float: left;
width: 75%;
margin-top: 6px;
}

/* Clear floats after the columns */
```

```css
.row:after {
content: "";
display: table;
clear: both;
}

/* Responsive layout - when the screen is less than 600px wide, make the two columns
 stack on top of each other instead of next to each other */
@media screen and (max-width: 600px) {
.col-25, .col-75, input[type=submit] {
   width: 100%;
   margin-top: 0;
   margin-top: 2px;
}
.buttons{
   text-align: center !important;
   display: inline-block !important;
   justify-content: center !important;

}
}
.buttons{
text-align: center;
display: flex;
justify-content: space-around;
}
```

==

Copy and paste the JavaScript code here between the dotted lines

This must be editable code (not a screen shot)

```javascript
var tourCodes=["H","F","A"];
var tourNames=["Half-day City Sightseeing","Full-
day City Sightseeing","City Sightseeing  + Art museum"];
var tourPrices=[80,130,170];
var lunchTypes=["OG","2C","3C","GL"];
var lunchNames=["On-the-Go","2-Course","3-Course","Gourmet"];
var lunchPrices=[10,17,27,32];
function addToOutput(str,num){
    if(num==0){
        document.getElementById("price").innerHTML="The total price of the tour is:
$" + str;

    }
    else if(num==1){
        document.getElementById("data").innerHTML+=str;
    }
    else if(num==2){
        document.getElementById("data").innerHTML+=str;
```
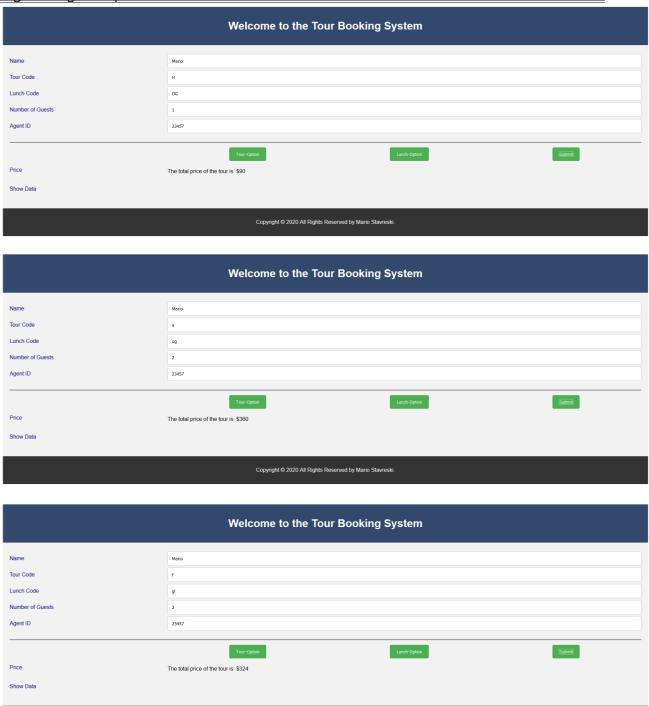
```javascript
    }
};
function displayTourOptions(){
    document.getElementById("data").innerHTML="";
    var str="\t----Tour Prices and Options----<br> ";
    for(var i=0;i<tourCodes.length;i++){
        str=str+"\t"+tourCodes[i]+"-"+tourNames[i]+" "+tourPrices[i]+"$<br>";
    }
    addToOutput(str,2);
}
function displayLunchOptions(){
    document.getElementById("data").innerHTML="";
    var str="\t-------Lunch Options-------<br> ";
    for(var i=0;i<lunchTypes.length;i++){
        str=str+"\t"+lunchTypes[i]+"-"+lunchNames[i]+" "+lunchPrices[i]+"$<br>";
    }
    addToOutput(str,2);
}
function validateNoOfPeople(str){
    if(isNaN(str)){
        addToOutput("Number of People must be in numeric<br>",1);
        return false;
    }
    else if(str < 1 || str > 11)
    {
        addToOutput("Number of People must be between 1 and 11<br>",1);
        return false;
    }
    return true;

}
function validateName(str){
    if(str.length>25){
        document.getElementById("data").value="";
        addToOutput("Name must be between 1 and 25 characters in length<br>",1);
        return false;
    }
    return true;

}
function validateId(id){
    if(isNaN(id)){
        addToOutput("Id must be numeric<br> ",1);
    }
    if(id.length===5){
        return true;
    }
    else{
        addToOutput("Id must be 5 in length<br>",1)
    }
```
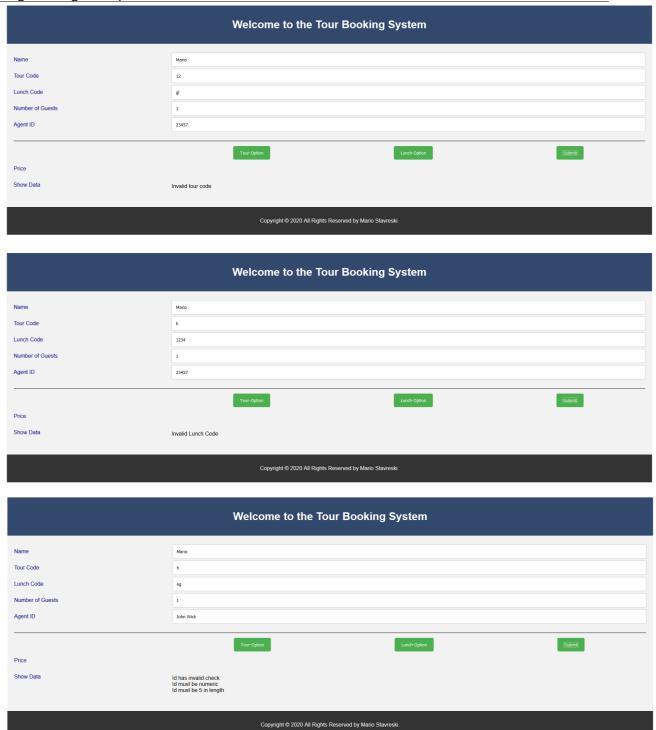
```
    return false;
}
function validateType(arr,str){
    for (var i=0;i<arr.length;i++){
        if(arr[i]==str)
        {
            return i;
        }
    }
    return -1;
}
function validateCheck(str){
    var resultA=parseInt(str[0])*parseInt(str[2]);
    var resultB=resultA+ parseInt(str[1])+parseInt(str[3]);
    var check=String(resultB);
    if(parseInt(check[0])+parseInt(check[1])===parseInt(str[4]))
    {
        return true;
    }
    addToOutput("Id has invalid check<br>",1);
    return false;
}
function calculateTourCost(index,not){
    return tourPrices[index]*not;
}
function calculateLunchCost(index,not){
    return lunchPrices[index]*not;
}
function calculateTotalPayment(ctc,clc){
    return ctc+clc;
}
function validateAndCal(){
    document.getElementById("data").innerHTML="";
    document.getElementById("price").innerHTML="";
    var name=document.getElementById("name").value;
    var tourCode=document.getElementById("tourCode").value;
    var lunchCode=document.getElementById("lunchCode").value;
    var noOfPeople=document.getElementById("noOfGuest").value;
    var id=document.getElementById("agentId").value;
    var str="";
    validateName(name);
    var tourIndex=validateType(tourCodes,tourCode.toUpperCase());
    var lunchIndex=validateType(lunchTypes,lunchCode.toUpperCase());
    if(tourIndex==-1){
        addToOutput("Invalid tour code<br>",1);
    }
    if(lunchIndex==-1){
        addToOutput("Invalid Lunch Code<br>",1);
    }
    validateCheck(id);
```

```
    if(validateId(id)===true){
        if(validateNoOfPeople(noOfPeople)==false){

        }
        else{

            var ctc;
            var clc;
            if(tourIndex==-1){

            }
            else{
                ctc= calculateTourCost(tourIndex,noOfPeople);
            }
            if(lunchIndex==-1){

            }else{
                clc= calculateLunchCost(lunchIndex,noOfPeople);
            }
            if(lunchIndex==-1 || tourIndex==-1){

            }else{
                var tc=calculateTotalPayment(parseInt(ctc),parseInt(clc));
            addToOutput(tc,0);
            }
        }
    }


}
window.onload=function(e){
   // addToOutput("as");
   console.log(this.calculateTourCost(0,2));
}
```

==

Copy and paste all screen captures of testing your program here between the dotted lines

Welcome to the Tour Booking System

Name	Mario
Tour Code	H
Lunch Code	OG
Number of Guests	1
Agent ID	23457

[Tour-Option] [Lunch-Option] [Submit]

Price   The total price of the tour is: $90

Show Data

Welcome to the Tour Booking System

Name	Mario
Tour Code	a
Lunch Code	og
Number of Guests	2
Agent ID	23457

[Tour-Option] [Lunch-Option] [Submit]

Price   The total price of the tour is: $360

Show Data

Welcome to the Tour Booking System

Name	Mario
Tour Code	f
Lunch Code	gl
Number of Guests	2
Agent ID	23457

[Tour-Option] [Lunch-Option] [Submit]

Price   The total price of the tour is: $324

Show Data

Welcome to the Tour Booking System

Name	Mario
Tour Code	12
Lunch Code	gl
Number of Guests	1
Agent ID	23457

Tour-Option   Lunch-Option   Submit

Price

Show Data   Invalid tour code

Welcome to the Tour Booking System

Name	Mario
Tour Code	h
Lunch Code	1234
Number of Guests	1
Agent ID	23457

Tour-Option   Lunch-Option   Submit

Price

Show Data   Invalid Lunch Code

Welcome to the Tour Booking System

Name	Mario
Tour Code	h
Lunch Code	og
Number of Guests	1
Agent ID	John Wick

Tour-Option   Lunch-Option   Submit

Price

Show Data   Id has invalid check
Id must be numeric
Id must be 5 in length

Welcome to the Tour Booking System

Name	Mario
Tour Code	h
Lunch Code	og
Number of Guests	0
Agent ID	23457

[Tour-Option]   [Lunch-Option]   [Submit]

Price

Show Data   Number of People must be between 1 and 11

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Welcome to the Tour Booking System

Name	Mario
Tour Code	h
Lunch Code	og
Number of Guests	12
Agent ID	23457

[Tour-Option]   [Lunch-Option]   [Submit]

Price

Show Data   Number of People must be between 1 and 11

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Once this document is complete:

- Convert this file into a .PDF named **DTASK1.pdf**
- This file must then be uploaded via Doubtfire as task **7.3D submission**.

7. Marking Guide

Start with 20 marks then:

Apply penalties if necessary based on:

Requirement	Correctness Perfect	Minor Problem	Major Problems
HTML & meta tags	No Penalty	-1	-2
CSS code and appearance	No Penalty	-1	-2

Coding and use of addToOutput()	No Penalty	-1	-2
Coding and use of displayTourOptions ()	No Penalty	-1	-2
Coding and use of displayLunchOptions ()	No Penalty	-1	-2
Coding and use of validateAndCalc()	No Penalty	-1	-2
Coding and use of validateName()	No Penalty	-1	-2
Coding and use of validateId()	No Penalty	-1	-2
Coding and use of validateCheckDigit()	No Penalty	-1	-2
Coding and use of validateType ()	No Penalty	-1	-2
Coding and use of validateNumberOfPeople()	No Penalty	-1	-2
Coding and use of calculateTourCost()	No Penalty	-1	-2
Coding and use of calculateLunchCost()	No Penalty	-1	-2
Coding and use of calculateTotalPayment ()	No Penalty	-1	-2
Use of test data	No Penalty	-1	-2
Other penalty for unforeseen problems		-1	-2

Any score below 14 is considered a fail.

A Satisfactory score is 14-18.

An Excellent score is 19-20 with no Major problems.

Only ONE resubmission is allowed.