

Programming Concepts

Week 7 **Credit** Submission Tasks Template

Student ID: _____ Mario Stavreski _____

Student Name: _____ 103055993 _____

Credit Task 8 HTML code

Paste the HTML code of the web page here.

```
JS W07P.js  <> W07C.html X  JS W07C.js
<> W07C.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="utf-8" />
5      <meta name="description" content="Arrays and Tables" />
6      <meta name="keywords" content="arrays, loops, javascript, tables, html" />
7      <meta name="author" content="Mario Stavreski" />
8      <title>Adding to Arrays</title>
9      <script src="W07C.js"></script>
10 </head>
11 <body>
12 <header>
13 </header>
14 <article>
15     <h1> Week 07 Credit Task</h1>
16 <form>
17     <label> Customer Name: <input type="text" id="custname"/> </label>
18     <label> Birthyear: <input type="text" id="birthyear"/> </label>
19     <button type="button" id="addname">Add Name</button>
20     <button type="button" id="process">Process Name</button>
21 </form>
22
23     <p id="output"></p>
24     <p id="errorMsg"></p>
25
26 </article>
27 <footer><p>Produced by Mario Stavreski</p></footer>
28 </body>
29 </html>
30
```

Credit Task 8 JavaScript code

Paste the JavaScript code of the same page here.

```

JS W07P.js  W07C.html  JS W07C.js  X
JS W07C.js > displayArray
1  /* Filename: W07C.js
2     Target html: W07C.html
3     Purpose : Adds names and birthyears from an array to a table
4     Author: Mario Stavreski ID: 103055993
5     Date written: 07/05/2020
6     Revisions: v1.0
7 */
8
9 // This function add a Names and Birthyear in a table
10 var arrNames=[];
11 var arrYear=[];
12
13 function addNames() { // this function adds a new name to the table
14     var newName = document.getElementById("custname").value;
15     var existingName = findName(newName);
16     if(existingName == true) {
17         document.getElementById("errmsg").innerHTML = "Cannot add " + newName + ". It already exists within the array."
18     } else if(newName.length == 0) {
19         document.getElementById("output").innerHTML = "No name entered. Please enter a name."
20     } else {
21         arrNames.push(newName);
22         var arrNewYOB = document.getElementById("birthyear").value;
23         arrYear.push(arrNewYOB);
24     }
25 }
26
27 function findName(searchValue) { //This function finds the new name
28     var vIndex = 0;
29     var vFound = false;
30     while (vIndex < arrNames.length && !vFound) {
31         if (arrNames[vIndex] == searchValue) {
32             vFound = true;
33         }
34         vIndex++;
35     }
36     return vFound;
37 }
38
39 function displayArray() { //this function displays the table with the names and years
40     var tableValues = "";
41     for (var i=0; i < arrNames.length; i++) {
42         tableValues = tableValues + "<tr><td>" + arrNames[i] + "</td><td>" + arrYear[i] + "</td></tr>"
43     }
44     document.getElementById("output").innerHTML = "<table border = '1'> <tr> <th> Name </th> <th> Birthyear </th> </tr>" + tableValues;
45 }
46
47 function init() {
48     document.getElementById("addname").onclick = addNames;
49     document.getElementById("process").onclick = displayArray;
50 }
51
52
53 window.onload = init;
54

```

Credit Task 8 web page testing

(screenshots should demonstrate all error messages, including invalid user inputs, attempting to List All Items when arrays are empty and when there are some items in the arrays)

Paste the screen captures of your testing web page here.

Week 07 Credit Task

Customer Name: Birthyear:

No name entered. Please enter a name.

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Week 07 Credit Task

Customer Name: Birthyear:

Name	Birthyear
Mia	2000

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Week 07 Credit Task

Customer Name: Birthyear:

Name	Birthyear
Mia	2000

Cannot add Mia. It already exists within the array.

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Week 07 Credit Task

Customer Name: Birthyear:

Name	Birthyear
Mia	2000
Paul	1999
Jeff	2001
Michelle	2002
Steve	1990
Cath	1995

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Week 07 Credit Task

Customer Name: Birthyear:

Name	Birthyear
Mia	2000
Paul	1999
Jeff	2001
Michelle	2002
Steve	1990
Cath	1995

Cannot add Cath. It already exists within the array.

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