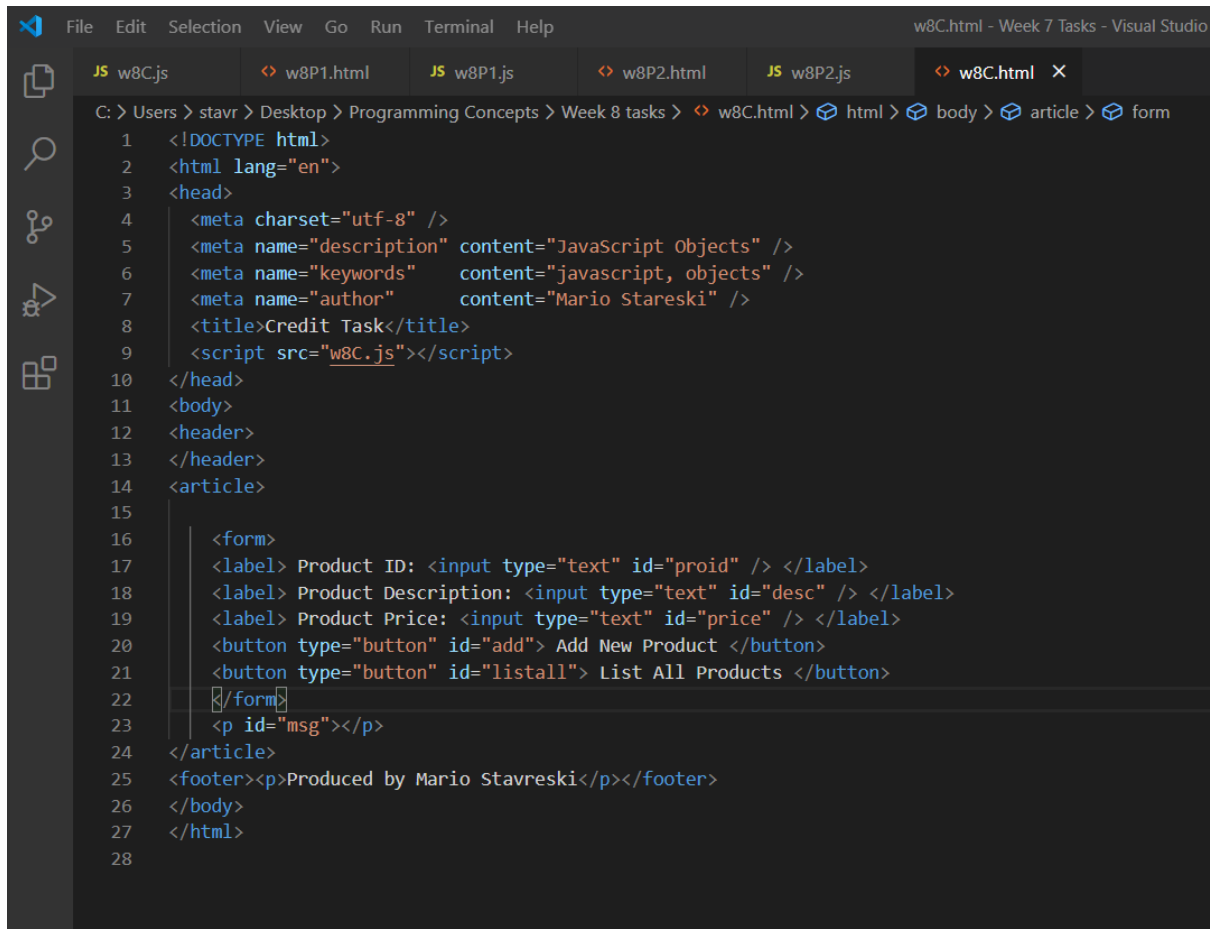# Programming Concepts
Week 8 Credit Submission Tasks Template

Student ID: _____103055993_____

Student Name: _____Mario Stavreski_____

Credit Task 11 HTML code

Paste the HTML code of the web page here.

```
File  Edit  Selection  View  Go  Run  Terminal  Help                          w8C.html - Week 7 Tasks - Visual Studio

JS w8C.js        <> w8P1.html      JS w8P1.js       <> w8P2.html      JS w8P2.js        <> w8C.html  X

C: > Users > stavr > Desktop > Programming Concepts > Week 8 tasks > <> w8C.html > html > body > article > form
  1   <!DOCTYPE html>
  2   <html lang="en">
  3   <head>
  4     <meta charset="utf-8" />
  5     <meta name="description" content="JavaScript Objects" />
  6     <meta name="keywords"    content="javascript, objects" />
  7     <meta name="author"      content="Mario Stareski" />
  8     <title>Credit Task</title>
  9     <script src="w8C.js"></script>
 10   </head>
 11   <body>
 12   <header>
 13   </header>
 14   <article>
 15
 16     <form>
 17     <label> Product ID: <input type="text" id="proid" /> </label>
 18     <label> Product Description: <input type="text" id="desc" /> </label>
 19     <label> Product Price: <input type="text" id="price" /> </label>
 20     <button type="button" id="add"> Add New Product </button>
 21     <button type="button" id="listall"> List All Products </button>
 22     </form>
 23     <p id="msg"></p>
 24   </article>
 25   <footer><p>Produced by Mario Stavreski</p></footer>
 26   </body>
 27   </html>
 28
```

Credit Task 11 JavaScript code

Paste the JavaScript code of the same page here.

```
File   Edit   Selection   View   Go   Run   Terminal   Help

JS w8C.js  ×      <> w8P1.html      JS w8P1.js      <> w8P2.html      JS w8P2.js      <> w8C.html

C: > Users > stavr > Desktop > Programming Concepts > Week 8 tasks > JS w8C.js > ...
  1   /* Filename: w8C.js
  2      Target html: w8C.html
  3      Purpose : objects
  4      Author: Mario Stavreski
  5      Date written: 16/05/2020
  6      Revisions:  v1
  7   */
  8
  9   var arrProducts = [];
 10
 11   function addProduct() { //Adds product to array
 12
 13       var newId = document.getElementById("proid").value;
 14       newId = Number(newId);
 15       var newDesc = document.getElementById("desc").value;
 16       var newPrice = document.getElementById("price").value;
 17       newPrice = Number(newPrice);
 18
 19       var vProducts = {proid: newId, desc: newDesc, price: newPrice};
 20       arrProducts.push(vProducts);
 21
 22       document.getElementById("msg").innerHTML = "New Product added";
 23   }
 24
 25   function listProducts() { // lists all products within the array
 26
 27       var msg = "";
 28       if (arrProducts.length == 0) {
 29           msg = "There are no existing products in the list";
 30       }
 31
 32       else {
 33           var vIndex = 0;
 34           for (vIndex = 0; vIndex < arrProducts.length; vIndex++) {
 35               msg = msg + "Product ID: " + arrProducts[vIndex].proid + ", ";
 36               msg = msg + "Description: " + arrProducts[vIndex].desc + ", ";
 37               msg = msg + "Price: " + arrProducts[vIndex].price + "<br/>";
 38           }
 39           var count = countCheap(arrProducts);
 40           msg = msg + "Number of items under $5: " + count;
 41       }
 42       document.getElementById("msg").innerHTML = msg;
 43   }
 44
 45   function countCheap(array) { //count the number of items under $5
 46       var vIndex;
 47       var vCount = 0 ;
 48       for (vIndex = 0; vIndex < array.length; vIndex++) {
 49           if (array[vIndex].price < 5)
 50               vCount = vCount + 1;
 51       } // end loop
 52       return vCount;
 53   }
 54
 55   function init() {
 56       document.getElementById("add").onclick = addProduct;
 57       document.getElementById("listall").onclick = listProducts;
 58   }
 59   window.onload = init;
 60
```

⊗ 0 ⚠ 0

Credit Task 11 web page testing

Paste the screen captures of your testing web page here.

Product ID: [   ] Product Description: [   ] Product Price: [   ] | Add New Product | | List All Products |

There are no existing products in the list

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Product ID: [6] Product Description: [PQR] Product Price: [1] | Add New Product | | List All Products |

Product ID: 1, Description: ABC, Price: 4
Product ID: 2, Description: DEF, Price: 6
Product ID: 3, Description: GHI, Price: 10
Product ID: 4, Description: JKL, Price: 2
Product ID: 5, Description: MNO, Price: 22
Product ID: 6, Description: PQR, Price: 1
Number of items under $5: 3

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