

# Code:

```
JS create_table.js x  index.html  JS finance.js  finance.html
JS create_table.js > AddNewDeal
2  var myData = [
3    {"Id": 0, "ClientName": "Microsoft", "DealName": "Apollo Project", "ProgramManager": "Mary", "Cost": 1000},
4    {"Id": 1, "ClientName": "Intel", "DealName": "Hermes Project", "ProgramManager": "Bob", "Cost": 10000},
5    {"Id": 2, "ClientName": "Apple", "DealName": "Zeus Project", "ProgramManager": "Jane", "Cost": 100000}
6  ]
7  var currentDealId = myData.length;
8  localStorage.setItem("myData", JSON.stringify(myData))
9  var myDataTest = localStorage.getItem("myData")
10 AddNewDeal = function(e) {
11   var clientName = document.getElementById("clientNameInput").value;
12   var projectName = document.getElementById("projectNameInput").value;
13   var projectManager = document.getElementById("projectManagerInput").value;
14   var projectCost = document.getElementById("projectCostInput").value;
15   document.getElementById("clientNameInput").value = "";
16   document.getElementById("projectNameInput").value = "";
17   document.getElementById("projectManagerInput").value = "";
18   document.getElementById("projectCostInput").value = "";
19   InsertRow([currentDealId, clientName, projectName, projectManager, parseInt(projectCost)]);
20 };
21 function InsertRow(dealId, clientName, projectName, projectManager, projectCost) {
22   myData.push({"Id": dealId, "ClientName": clientName, "DealName": projectName, "ProgramManager": projectManager, "Cost": projectCost})
23   currentDealId++;
24   localStorage.clear();
25   localStorage.setItem("myData", JSON.stringify(myData))
26   CreateTableFromJSON();
27 }
28
```

JS create\_table.js

&lt;&gt; index.html

JS finance.js

&lt;&gt; finance.html X

&lt;&gt; finance.html &gt; html

```
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Finance Team View</title>
6      <style>
7          th,
8          td,
9          p,
10         input {
11             font: 14px Verdana;
12         }
13
14         table,
15         th,
16         td {
17             border: solid 1px #DDD;
18             border-collapse: collapse;
19             padding: 2px 3px;
20             text-align: center;
21         }
22
23         th {
24             font-weight: bold;
25         }
26     </style>
27     <script src="finance.js"></script>
28 </head>
29
30 <body onload="CreateTableFromJSON()">
31     <p id="showData"></p>
32     <br>
33     <input type="button" onclick="somemethod()" id="method" value = "Get Budget"/><br>
34     <p><h4 id="budget"></h4></p>
35     <br>
36     <p id="individualData"></p>
37 </body>
```

JS create\_table.js

&lt;&gt; index.html

JS finance.js X

&lt;&gt; finance.html

JS finance.js &gt; CreateTableFromJSON

```
1  var myDataTest = JSON.parse(localStorage.getItem("myData"))
2  function CreateTableFromJSON() {
3      let col = [];
4      for (let i = 0; i < myDataTest.length; i++) {
5          for (let key in myDataTest[i]) {
6              if (col.indexOf(key) === -1) {
7                  col.push(key);
8              }
9          }
10     }
11     let table = document.createElement("table");
12     let tr = table.insertRow(-1);
13     for (let i = 0; i < col.length; i++) {
14         let th = document.createElement("th");
15         th.innerHTML = col[i];
16         tr.appendChild(th);
17     }
18     for (let i = 0; i < myDataTest.length; i++) {
19         tr = table.insertRow(-1);
20         for (let j = 0; j < col.length; j++) {
21             let tabCell = tr.insertCell(-1);
22             tabCell.innerHTML = myDataTest[i][col[j]];
23         }
24     }
25     let divContainer = document.getElementById("showData");
26     divContainer.innerHTML = "";
27     divContainer.appendChild(table);
28 }
29 function somemethod() {
30     let a = 0;
31     for (let i = 0; i < myDataTest.length; i++) {
32         a += parseInt(myDataTest[i].Cost);
33     }
34     let para = document.createElement("h3");
35     para.innerHTML = "Total Budget: " + a;
36     document.getElementById("budget").appendChild(para);
37     function onlyUnique(value, index, self) {
38         return self.indexOf(value) === index;
39     }
40     let array = new Array(myDataTest.length);
41     for (let j = 0; j < myDataTest.length; j++) {
42         array[j] = myDataTest[j];
43     }
44     let array1 = new Array(myDataTest.length);
45     for (let j = 0; j < myDataTest.length; j++) {
46         array1[j] = myDataTest[j].ProgramManager;
47     }
```

JS finance.js &gt; CreateTableFromJSON

```
34 let para = document.createElement("h3");
35 para.innerHTML = "Total Budget: " + a;
36 document.getElementById("budget").appendChild(para);
37 function onlyUnique(value, index, self) {
38     return self.indexOf(value) === index;
39 }
40 let array = new Array(myDataTest.length);
41 for (let j = 0; j < myDataTest.length; j++) {
42     array[j] = myDataTest[j];
43 }
44 let array1 = new Array(myDataTest.length);
45 for (let j = 0; j < myDataTest.length; j++) {
46     array1[j] = myDataTest[j].ProgramManager;
47 }
48 let uniquearray = array1.filter(onlyUnique);
49 let newarray = new Array(uniquearray.length);
50 for (let k = 0; k < uniquearray.length; k++) {
51     for (let l = 0; l < array.length; l++) {
52         if (array[l].ProgramManager == uniquearray[k]) {
53             if (newarray[k] == null) {
54                 newarray[k] = array[l].Cost;
55             } else {
56                 newarray[k] += array[l].Cost
57             }
58         }
59     }
60 }
61 let col = [];
62 col.push("Team");
63 col.push("Budget");
64 let table = document.createElement("table");
65 let tr = table.insertRow(-1);
66 for (let i = 0; i < col.length; i++) {
67     let th = document.createElement("th");
68     th.innerHTML = col[i];
69     tr.appendChild(th);
70 }
71 for (let i = 0; i < uniquearray.length; i++) {
72     tr = table.insertRow(-1);
73     var tabCell = tr.insertCell(-1);
74     tabCell.innerHTML = uniquearray[i];
75     var tabCell = tr.insertCell(-1);
76     tabCell.innerHTML = newarray[i];
77 }
78 let divContainer = document.getElementById("individualData");
79 divContainer.innerHTML = "";
80 divContainer.appendChild(table);
81 }
```



JS create\_table.js

&lt;&gt; index.html X

JS finance.js

&lt;&gt; finance.html

&lt;&gt; index.html &gt; html &gt; head &gt; style &gt; table

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Program Manager View</title>
5      <style>
6          th,
7          td,
8          p,
9          input {
10             font: 14px Verdana;
11         }
12
13         table,
14         th,
15         td {
16             border: solid 1px #DDD;
17             border-collapse: collapse;
18             padding: 2px 3px;
19             text-align: center;
20         }
21
22         th {
23             font-weight: bold;
24         }
25     </style>
26     <script src="create_table.js"></script>
27 </head>
28 <body>
29     <H3>Add New Deal</H3>
30     <form>
31         <table style="width: 50%">
32             <tr>
33                 <th><label>Client Name</label></th>
34                 <td><input type="text" id="clientNameInput" required></td>
35             </tr>
36             <tr>
37                 <th><label>Project Name</label></th>
38                 <td><input type="text" id="projectNameInput" required="true" /></td>
39             </tr>
40             <tr>
41                 <th><label>Project Manager</label></th>
42                 <td><input type="text" id="projectManagerInput" required="true" /></td>
43             </tr>
44             <tr>
45                 <th><label>Project Cost</label></th>
46                 <td><input type="number" id="projectCostInput" required="true" /></td>
47             </tr>
```

```
JS create_table.js X index.html X JS finance.js finance.html
index.html > html > head > style > table
8
9     input {
10         font: 14px Verdana;
11     }
12
13     table,
14     th,
15     td {
16         border: solid 1px #DDD;
17         border-collapse: collapse;
18         padding: 2px 3px;
19         text-align: center;
20     }
21
22     th {
23         font-weight: bold;
24     }
25 </style>
26 <script src="create_table.js"></script>
27 </head>
28 <body>
29     <H3>Add New Deal</H3>
30     <form>
31         <table style="width: 50%">
32             <tr>
33                 <th><label>Client Name</label></th>
34                 <td><input type="text" id="clientNameInput" required></td>
35             </tr>
36             <tr>
37                 <th><label>Project Name</label></th>
38                 <td><input type="text" id="projectNameInput" required="true" /></td>
39             </tr>
40             <tr>
41                 <th><label>Project Manager</label></th>
42                 <td><input type="text" id="projectManagerInput" required="true" /></td>
43             </tr>
44             <tr>
45                 <th><label>Project Cost</label></th>
46                 <td><input type="number" id="projectCostInput" required="true" /></td>
47             </tr>
48         </table>
49         <br>
50         <input type="submit" onclick="AddNewDeal()" value="Save" />
51     </form>
52 </body>
53 </html>
```