

Kennesaw State University
Department of Computer Science
CS 4720 Internet Programming
Mohammad Umar
Assignment 2

Weblink

<https://studentweb.kennesaw.edu/~mumar2/assignments.html>

```
<!--  
Mohammad Umar  
CS4720-Internet Programming  
-->  
<!DOCTYPE html>  
<head>  
  <meta charset="UTF-8" >  
  <meta name="viewport" content="width=device-width ,initial-scale=1.0">  
  <link rel="stylesheet" href="style.css">  
  <title>Assignments</title>  
</head>  
<body>  
  <div id="navigation" class="navbar">  
    <ul>  
      <li><a href="index.html">Home</a></li>  
      <li><a href="assignments.html">Assignments</a></li>  
    </ul>  
  </div>  
  <header class='headingBG'>  
    <p class="headtext">Mohammad Umar</p>  
    <p class='subtext'>CS 4720-Internet Programming</p>  
  </header>  
  <div id="title" class="pagetitle">  
    <h1>Assignments</h1>  
  </div>  
  <div id="assignmentsLink" class="assignmentsLinks">
```

```

        <ul>
            <a href="assignment_2.html">Assignment 2</a>
        </ul>
    </div>
    <footer class="footer">
        <br>
        <p>&copy; 2021 This website is created for Educational Purposes.</p>
    </footer>
</body>
</html>

```

assignment_2.html

```

<!--
Mohammad Umar
CS4720-Internet Programming
-->
<!DOCTYPE html>
<head>
    <meta charset="UTF-8" >
    <meta name="viewport" content="width=device-width ,initial-scale=1.0">
    <link rel="stylesheet" href="style.css" type="text/css">
    <title>Assignment 2</title>
</head>
<body>

    <div id="navigation" class="navbar">
        <ul>
            <li><a href="index.html">Home</a></li>
            <li><a href="assignments.html">Assignments</a></li>
        </ul>
    </div>
    <header class='headingBG'>
        <p class="headtext">Mohammad Umar</p>
        <p class='subtext'>CS 4720-Internet Programming</p>
    </header>
    <div id="title" class="pagetitle">
        <h1>Assignments 2</h1>
    </div>

    <div id="squareNumber" class="scriptContent">
        <h2>Square Numbers</h2>
        <input type="number" id="squareNum" class="userInput">
        <button id="square" class="userInput">Result</button><br>

```

```

    <div class="Result">
        Result: <p style="display: inline;" id="answer"></p>
    </div>
</div>

<div id="fixstarts" class="scriptContent">
    <h2>Fix Start</h2>
    <input type="text" id="fix_start_input" class="userInput">
    <button id="fix_start" class="userInput">Result</button><br>
    <div class="Result">
        Result: <p style="display: inline;" id="fix_start_result"></p>
    </div>
</div>

<div id="notBad" class="scriptContent">
    <h2>Not Bad</h2>
    <input type="text" id="notBadInput" class="userInput">
    <button id="notBad" class="userInput">Result</button><br>
    <div class="Result">
        Result: <p style="display: inline;" id="notBadAnswer"></p>
    </div>
</div>

<div id="cellCreateSort" class="scriptContent">
    <h2>Cell Creating And Sorting</h2>
    <div id="cells">
        <table id="cell_field">
            <tr>
                <th>Item #</th>
                <th>Input</th>
                <th>Length</th>
            </tr>
            <tr>
                <td>
                </td>
            </tr>
        </table>

        <div id="operationsButtons">
            <button type="button" onclick="addCell()">Add Cell</button>
            <button type="button" onclick="removeCell()">Remove Cell</button>
            <button type="button" onclick="sortCells()">Sort</button>
        </div>
    </div>
</div>

<!--JavaScript Files-->

```

```

<script src="squareNumber.js"></script>
<script src="fixStart.js"></script>
<script src="notBad.js"></script>
<script src="cellCreating.js"></script>

<footer class="footer">
    <br>
    <p>&copy; 2021 This website is created for Educational Purposes.</p>
</footer>

</body>
</html>

```

style.css

```

/*
Mohammad Umar
CS4720-Internet Programming
*/
body {
background-color:lightblue;
margin:0;
font-family:'Times New Roman', Times, serif;
font-size: 22px;
}

.mainpage{
margin-bottom:40px;
margin-left:200px;
margin-right:200px;
}

#my_pic{
float:right;
}

.mainpage img{
width: 200px;
height: 200px;
}

#marvel_pic{
float:right;
}

```

```
.mainpage button{
  background-color: #87c6df;
  border: #026e99;
  border-style: groove;
  color: rgb(0, 0, 0);
  padding: 18px 30px;
  text-align: center;
  display: inline-block;
  font-size: 20px;
  cursor: pointer;
  width: 200px;
}

.mainpage button:hover{
  background-color: #026e99;
  color: rgb(0, 0, 0);
}

.navbar ul{
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color:#4992af;
  position: fixed;
  top: 0;
  width: 100%;
}

.navbar li{
  float:left;
}

.navbar li a{
  display:block;
  color:black;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

.navbar li a:hover{
  background-color:rgb(129, 183, 201);
}
```

```
.headingBG {
    background-image: url("headerImg.jpg");
    background-size:cover;
    padding-bottom: 10px;
    padding-top: 10px;
    width: 100%;
}

.headtext {
    font-family: 'Times New Roman', Times, serif;
    font-size:120px;
    margin-bottom: 10px;
    margin-left: 40px;
    color: rgb(180, 220, 243);
    text-align:center;
}

.subtext {
    font-family:'Times New Roman', Times, serif;
    font-size: 50px;
    margin-top: 10px;
    margin-left: 40px;
    color: rgb(180, 220, 243);
    text-align:center;
}

.footer {
    background-color:#00435e;
    text-align: center;
    font-family:'Times New Roman', Times, serif;
    font-size:20px;
    padding-bottom: 15px;
}

.pagetitle h1 {
    text-align: center;
    font-family:'Times New Roman', Times, serif;
    font-size:80px;
}

.assignmentsLinks ul {
    text-align: center;
    font-family:'Times New Roman', Times, serif;
    font-size: 30px;
}
```

```
.assignmentsLinks a{
  display: inline-block;
  text-decoration: none;
  color:black;
}

.assignmentsLinks a:hover {
  background-color:#026e99;
}

.scriptContent{
  margin-bottom:40px;
  margin-left:200px;
  margin-right:200px;
}

.userInput{
  font-size: 20px;
  font-family: 'Times New Roman', Times, serif;
  margin-bottom: 20px;
}

input[type=number]::-webkit-inner-spin-button {
  -webkit-appearance: none;
}

.Result{
  display: inline;
  width: fit-content;
  border-style: solid;
  border-width: 4px;
  border-color: rgb(100, 137, 167);
  font-family:'Times New Roman', Times, serif;
}

#cells {
  width: 380px;
  padding-bottom: 15px;
  border-style: solid;
  border-width: 8px;
  border-color: rgb(35, 137, 221);
  font-family:'Times New Roman', Times, serif;
}

#operationsButtons {
```

```
margin-left:50px;
margin-top: 20px;
}
```

squareNumber.js

```
// Square Number
function squareNumber(num){
    return Math.pow(num,2);
}
document.getElementById("square").onclick = function(){
    const sq_num = document.getElementById("squareNum");
    const sum = document.getElementById("answer");
    sum.value = squareNumber(sq_num.value);
    sum.innerHTML = sum.value;
}
```

fixstart.js

```
// fixStart
function fixStart(str){
    const firstChar = str[0];
    var result = firstChar;
    for(let i=1; i<str.length; i++) {
        if(str[i]==firstChar) {
            result += '*';
        }
        else {
            result += str[i];
        }
    }
    return result;
}
document.getElementById("fix_start").onclick = function(){
    const input = document.getElementById("fix_start_input");
    const result = document.getElementById("fix_start_result");
    result.value = fixStart(input.value);
    result.innerHTML = result.value;
}
```

notbad.js


```

// notBad
function notBad(str){
    const lower = str.toLowerCase()
    let not = lower.indexOf('not');
    let bad = lower.indexOf('bad');
    if(not > bad || not==-1 || bad==-1){
        return str;
    }
    return str.substring(0,not) + "good" + str.substring(bad+3);
}
document.getElementById("notBad").onclick = function(){
    const input = document.getElementById("notBadInput");
    const result = document.getElementById("notBadAnswer");
    result.value = notBad(input.value);
    result.innerHTML = result.value;
}

```

Dynamic cell creating and sorting (cellCreating.js)

```

// Dynamic cell create and sort
let count = 1;

function addCell() {
    let table = document.getElementById('cell_field');
    let row = document.getElementById("cell_row" + count.toString())

    if (row != null) {
        row.style.display = "table-row";
        count++;
    }
    else {
        let new_row = table.insertRow(-1);
        new_row.id = "cell_row" + count.toString();
        let index = new_row.insertCell(0);
        let entry_cell = new_row.insertCell(1);
        let length_cell = new_row.insertCell(2);
        index.innerText = count.toString();
        entry_cell.innerHTML = "<input type='text' id=" + "entry_field" + count.toString() + "></input>";
        document.getElementById("entry_field" + count.toString()).oninput = calcLength;
        length_cell.innerHTML = "0";
        length_cell.id = "entry_field" + count.toString() + "length"
        length_cell.style.textAlign = "center";
    }
}

```

```

        count++;
    }
}

function removeCell() {
    let name = "cell_row" + (count - 1).toString();
    let row = document.getElementById(name);

    if (row == null) {
        return;
    }

    else {
        row.style.display = "none";
        if (count > 0) {
            count--;
        }
    }
}

function sortCells() {
    let cells = [];

    for (let i = 1; i < count; i++) {
        let entry_field = document.getElementById("entry_field" + i.toString());
        cells.push(entry_field.value)
    }

    cells.sort()
    cells = removeBlanks(cells);

    for (let j = 1; j < count; j++) {
        let entry_field = document.getElementById("entry_field" + j.toString());

        if (cells[(j-1)] !== undefined) {
            entry_field.value = cells[(j-1)].toString();
            document.getElementById("entry_field" + j.toString() + "length").innerText
= entry_field.value.length.toString();
        }

        else {
            entry_field.value = "";
            document.getElementById("entry_field" + j.toString() + "length").innerText
= entry_field.value.length.toString();

```

```
    }  
  }  
}  
  
function calcLength() {  
  let contents = this.value.length;  
  let id = this.id + "length"  
  document.getElementById(id).innerText = contents  
}  
  
function removeBlanks(oldArray) {  
  let newArray = [];  
  let numBlanks = 0;  
  
  for (let i = 0; i < oldArray.length; i++) {  
    if (oldArray[i] !== "") {  
      newArray.push(oldArray[i]);  
      numBlanks++;  
    }  
  }  
  
  for (blank in numBlanks) {  
    newArray.push("");  
  }  
  
  return newArray;  
}
```