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Internet Programming

Assignment 2 Report

Assignment 2

This assignment consisted of two parts. The first part was to create three javascript functions. The first squared a number when you clicked the square button. The second places a “\*” on any repeated letter in the string that is typed as the input. The third changes is not so bad to “is good”. Then I implemented these javascript functions into html. The second part of the Assignment consisted of creating columns, deleting columns and other functions such as sorting them. Then I went ahead and connected both of them together with buttons and also made sure that both of these web pages were connected to the index.html website for my student profile. I made a video rather than putting screenshots.

Bellow is the code:

Scripts.html

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Assignment2 Checker</title>

<link rel="stylesheet" href="css/assignment2words.css">

</head>

<body>

<h1>Assignment 2</h1>

<p class="home\_button"><a href="index.html">Home</a></p>

<br> <br> <br>

<div class="wrapped">

<h2>Square Number</h2>

<input id="sq-input" type="text" placeholder="Enter a number">

<span></span>

<button type="button" id="cellAdd" onclick="squareNumber()">Square!</button>

</div>

<br>

<br>

<br>

<div class="wrapped">

<h2>Check Repeating Letters</h2>

<input id="repeate-input" type="text" placeholder="Enter words to check">

<span></span>

<button type="button" id="cellAdd" onclick="replaceAsterics()">Check!</button>

</div>

<br>

<br>

<br>

<div class="wrapped">

<h2>Bad/Not Bad Checker</h2>

<input id="bad-input" type="text" placeholder="check for bad words">

<span></span>

<button type="button" id="cellAdd" onclick="bad()">Check!</button>

<br>

</div>

<br>

<br>

<br>

<br>

<div class="buttondiv">

<a href="assignment2.html" class="button">Assignment 2-Part2:JS Table Sorting</a>

</div>

<script type="text/javascript" src="assignment2.js"></script>

</body>

</html>

Assignment2.css

body{

background-color: #E8E8E8;

}

.wrapped {

margin: auto;

width: 60%;

border: 3px solid powderblue;

padding: 2px;

}

h1{

text-align: center;

}

#cellAdd{

background-color: #4CAF50; /\* Green \*/

border: none;

color: white;

padding: 7px 16px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 10px;

}

#cellRemove{

background-color: #4CAF50; /\* Green \*/

border: none;

color: white;

padding: 7px 16px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 10px;

}

#sort{

background-color: #4CAF50; /\* Green \*/

border: none;

color: white;

padding: 7px 16px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 10px;

}

.button{

background-color: #1c87c9;

box-shadow: 0 5px 0 #105cad;

color: white;

padding: 1em 1.5em;

text-decoration: none;

display: inline-block;

margin: auto;

}

.buttondiv{

margin: auto;

width: 60%;

text-align: center;

padding: 2px;

}

.home\_button{

text-align: center;

}

Assignmnet 2 html

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Alejandro's Awesome App</title>

<link rel="stylesheet" href="css/assignment2words.css">

</head>

<body>

<h1>Assignment 2</h1>

<p class="home\_button"><a href="index.html">Home</a></p>

<br>

<div class="wrapped">

<div id="wrapped">

<p><input type="text"><span></span></p>

</div>

<button type="button" id="cellAdd">Add Cell</button>

<button type="button" id="cellRemove">Remove Cell</button>

<button type="button" id="sort">Sort</button>

</div>

<div class="buttondiv">

<a href="scripts.html" class="button">Assignment 2-Part1: Words</a>

</div>

<script type="text/javascript" src="assignment2js.js"></script>

</body>

</html>

Assignment 2 Jason file

function squareNumber(){

//squaring number

var textbox = document.getElementById("sq-input");

var num = textbox.value;

textbox.value=num\*num;

}

//method to replace with asterisks

function replaceAsterics(){

//getting first character if text not empty

var textboxx=document.getElementById("repeate-input");

var textt=textboxx.value;

var first=textt[0];

var restof=textt.substring(1,textboxx.length);

while(restof.indexOf(first)!=-1){

//replacing with '\*'

restof=restof.replace(first,"\*");

}

//returning first and rest concatenated

textboxx.value=first+restof;

}

//method to replace bad

function bad(){

//finding indices of not and bad

var textboxxx=document.getElementById("bad-input");

var texttt=textboxxx.value;

var index1=texttt.indexOf("not");

var index2=texttt.indexOf("bad");

//checking for bad

if(index2>index1 && index1!=-1){

var before=texttt.substring(0,index1);

var after=texttt.substring(index2+3,texttt.length);

texttt=before+"good"+after;

}

textboxxx.value= texttt;

}

Assignment2jsjs file

let input = function (whatever) {

var this\_input = document.createElement('input');

var p = document.createElement('p');

var span = document.createElement('span');

p.appendChild(this\_input);

p.appendChild(span);

whatever.appendChild(p);

};

var these\_array\_values = function () {

let total\_values = [];

document.querySelectorAll('input').forEach(function (this\_input) {

total\_values.push(this\_input.value);

});

return total\_values;

};

var input\_values\_set = function(these\_rrays) {

let these\_values = document.querySelectorAll('input');

for (let i = 0; i < these\_values.length; ++i) {

these\_values[i].value = these\_rrays[i];

}

};

//Delete the output

var erase = function() {

var total\_elements = (document

.querySelector('#wrapped')

.querySelectorAll('p'));

// remove element

total\_elements[total\_elements.length-1]

.parentNode

.removeChild(total\_elements[total\_elements.length-1]);

}

var main = function() {

var input\_final = document.querySelector("#wrapped");

var add\_button = document.querySelector("#cellAdd");

var button\_sort = document.querySelector("#sort");

var button\_removal = document.querySelector("#cellRemove");

var array\_1\_data = [];

button\_removal.addEventListener("click", function () {// remove an input on click.

erase();

});

add\_button.addEventListener("click", function () { //this will add the input when you click

input(input\_final);

});

// sort button click

button\_sort.addEventListener("click", function () {

array\_1\_data = these\_array\_values();

array\_1\_data = array\_1\_data.sort();

input\_values\_set(array\_1\_data);

});

//this is when the user enters the input

document.querySelectorAll('#wrapped').forEach(function(these\_valuess) {

these\_valuess.addEventListener('keyup', function(this\_event) {

if (this\_event.target.tagName === 'INPUT') {

var new\_span = this\_event.target.parentNode.querySelector('span');

new\_span.textContent = this\_event.target.value.length;

}

});

});

}

main();