

Pichy Jumholwong & Zac Nakamura
Lab 10: Javascript Events and Forms
5/10/22

Task 1:

```
1  <!DOCTYPE html>
2  </html>
3  <html>
4  <head>
5    <title>Lab 10 - Javascript Events and Forms</title>
6    <script src="js/lab.js" defer></script>
7    <link rel="stylesheet" type="text/css" href="../css/site.css">
8    <link rel="stylesheet" type="text/css" href="css/lab.css">
9  </head>
10 <body>
11   <h1>Lab 10: Javascript Events and Forms</h1>
12   <h2>Challenges</h2>
13   <p>Our challenge we had was getting our JavaScript file to run properly in the console with no errors. It kept reading that
14   there was as "uncaught TypeError: Cannot read properties of null (reading 'addEventListener')" and we did
15   not know how to fix it. However, we later forgot that when naming our variables, we had to put var. When we did that we kept
16   getting undefined in the first line of our javascript file.
17   </p>
18   <h2>Problems</h2>
19   <p>We had problems in making our javascript file work. It was mainly one section that we had conflict with which
20   is sorting the inputted name that the user would enter on our webpage.</p>
21   <h2>Results</h2>
22   <p>Check out the results of our working function!</p>
23   <p>
24     Input your name
25     <input type="text" id="user-name"><br>
26   </p>
27   <p>
28     <button id="my-button">Click me!</button>
29   </p>
30   <div id="output">
31   </div>
32 </body>
33 </html>
34
```

Screenshot of our Atom source code

Task 2:

```
1 // Authors: Pichy Jumpholwong and Zac Nakamura
2 // Created: 9 May 2022
3 // License: Public Domain
4
5 buttonEl = document.getElementById("my-button");
6 // find the form element
7 inputEl = document.getElementById("user-name");
8 // find output element
9 outputEl = document.getElementById("output");
10 // add event listener to button
11 buttonEl.addEventListener("click", function(){
12     // get value from name element
13     var userName = inputEl.value;
14     // splitting the string into an array
15     var nameSplit = userName.split('');
16     // sorting the array
17     var nameSort = nameSplit.sort();
18     // joining array back to a string
19     var nameJoin = nameSort.join('');
20     // output element
21     outputEl.innerHTML = "<p id=name-results>" + nameJoin + "</p>";
22 });
23
```

Screenshot of our JavaScript file in Atom

Task 3:

Lab 10: Javascript Events and Forms

Challenges

Our challenge we had was getting our JavaScript file to run properly in the console with no errors. It kept reading that there was a "uncaught TypeError: Cannot read properties of null (reading 'addEventListener')" and we did not know how to fix it. However, we later forgot that when naming our variables, we had to put var. When we did that we kept getting undefined in the first line of our javascript file.

Problems

We had problems in making our JavaScript file work. It was mainly one section that we had conflict with which is sorting the inputted name that the user would enter on our webpage.

Results

Check out the results of our working function!

Input your name:

PZaaccdhiny

Screenshot of our working webpage on the server

Self-Evaluation Rubric:

<u>Self Evaluation Rubric (Pichy Jumpholwong and Zac Nakamura)</u>						
<u>Did you complete the assignment and did you complete it on time?</u>	<u>Submitted on time</u>	<u>Up to 1 day late</u>	<u>Up to 2 days late</u>	<u>Up to 3 days late</u>	<u>4 days late or more</u>	<u>Do you need to clarify?</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Did you collaborate with a partner?</u>	<u>Worked with partner</u>			<u>Worked alone</u>		<u>Do you need to clarify?</u>
	<input checked="" type="checkbox"/>			<input type="checkbox"/>		
<u>Did you put in earnest effort and provide an articulate summary of your experience?</u>	<u>Excellent</u>	<u>Pretty good</u>	<u>About average</u>	<u>Could be improved</u>	<u>Not this time</u>	<u>What supports this?</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Was the assignment complete, with minimal errors, correct output, and good style?</u>	<u>Excellent</u>	<u>Pretty good</u>	<u>About average</u>	<u>Could be improved</u>	<u>Not this time</u>	<u>What supports this?</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>How much EXTRA effort did you put into the assignment?</u>	<u>A lot of extra effort</u>		<u>Some extra effort</u>		<u>Not this time</u>	<u>What supports this?</u>
	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<p><u>Summary of your evaluation/efforts:</u></p> <p>We struggled a lot when trying to figure out how to implement the sort() function to our JavaScript file. We both kept testing and testing a variety of different ways until we finally figured out how to implement it. During our struggles, we used teletype and discord screen share so we could both see what we were trying to do to fix our problems. The problem that we had was that we did not include all the sort() function code that we did in lab 7, which was the reason for our error. If it wasn't for our continuous efforts in testing our possible solutions in the console, we likely would not have figured out our problem. We also made sure in our css that our output name results matched the theme of our webpage, as it did not appear that way initially. We also wanted our output to stand out so instead of just leaving it to print on the screen, we decided to add a box that would curate to the sorted name the user entered. For smaller words, the box would fit that word, being small, for longer words, the box would stretch to fit that word.</p>						