Yifeng Huang

ART101 - Programming for the Arts   **2024 Spring Quarter**

Lab 11: JavaScript Events and Forms   5/18/2024

Links to the lab assignment result

Home Page: https://yhuan359.github.io/art101

This Lab page: https://yhuan359.github.io/art101/lab11/index.html

Summary of Efforts

This reflected an earlier assignment of mine where I had to use a button to sort a username, but this time, I was learning to work with event listeners. It was a challenge learning how to implement event listeners into a JavaScript file and making sure it worked with the index.html file.
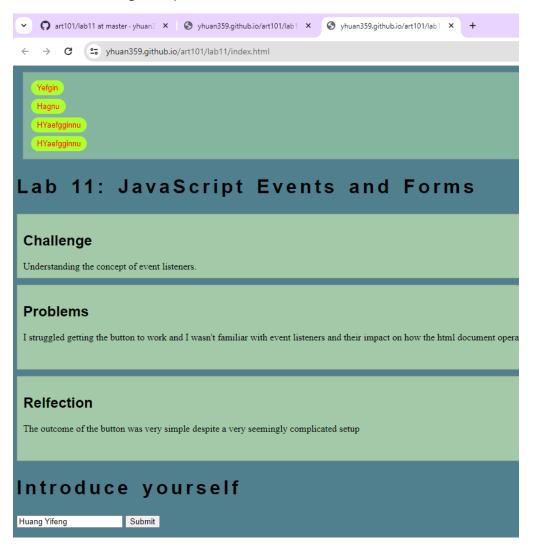
Screenshots:

Task 1: Create an index.html for your lab

```html
<!DOCTYPE html>
<html>

    <head>
        <link rel="stylesheet" type="text/css" href="../css/site.css">
        <link rel="stylesheet" type="text/css" href="css/lab.css">
        <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
        <script src="js/lab.js" DEFER></script>
    </head>

    <body>
        <main id="content"></main>
        <section>
        <h1> Lab 11: JavaScript Events and Forms  </h1>
        <div id="challenge" class="minor-section" id= "challenge">
            <h2> Challenge </h2>
            <p2> Understanding the concept of event listeners. </p2><br/>
        </div>

        <div id="problems" class = "minor-section" id= "challenge">
            <h2> Problems </h2>
            <p> I struggled getting the button to work and I wasn't familiar with event listeners and their impact on how the html document operates.</p><br/>
        </div>

        <div id = "reflections" class="minor-section" id= "challenge">
            <h2> Relfection </h2>
            <p> The outcome of the button was very simple despite a very seemingly complicated setup<br/></p><br/>
        </div>

        <h1>Introduce yourself</h1>

        <div id = "output" ></div>
        <input  type="text" id="user-name" placeholder="Input your name">
        <button id="submit">Submit</button>

    </body>

</html>
```

Task 2: Create a JavaScript file

```
index.html        JS lab.js        ×

lab11 > js > JS lab.js > ...
  1    /*
  2       lab.js - This simple JavaScript/jQuery script gets a value from an input field and outputs a modified version.
  3
  4       Requirements: jQuery must be loaded for this script to work.
  5
  6       Author: Yifeng Huang
  7       Date: 5/20/2024
  8    */
  9
 10    // Sorts the characters of a string in alphabetical order.
 11    function sortString(inputString) {
 12      // We have to convert our string to an array and back again to sort it
 13      return inputString.split('').sort().join('');
 14    }
 15
 16    // click listener for button
 17    $("#submit").click(function() {
 18      // get value of input field
 19      const userName = $("#user-name").val();
 20
 21      // now let's sort it
 22      userNameSorted = sortString(userName);
 23
 24      // append a new div to our output div
 25      $("#content").append('<div class="text"><h2><p>' + 'Hello, ' + userNameSorted + '</p></h2></div>');
 26    });
```

Task 3: Test, Debug and upload

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Lab 11: JavaScript Events and Forms

Challenge

Understanding the concept of event listeners.

Problems

I struggled getting the button to work and I wasn't familiar with event listeners and their impact on how the html document opera

Relfection

The outcome of the button was very simple despite a very seemingly complicated setup

Introduce yourself

Huang Yifeng   Submit

Self-Evaluation Rubric

Self-Evaluation Rubric						
Did you complete the assignment and did you complete it on time?	Submitted on time ☐ (highlighted)	Up to 1 day late ☐	Up to 2 days late ☐	Up to 3 days late ☐	Up to 4 days late ☐	**Do you need to clarify?**
Did you collaborate with a partner?	A lot of effort ☐		Some effort ☐		Not this time ☐ (highlighted)	**Do you need to clarify?**
Did you put in earnest effort and provide an articulate summary of your experience?	Excellent ☐	Pretty good ☐ (highlighted)	About average ☐	Could be improved ☐	Not this time ☐	**What supports this?** I followed the instructions and made this very simple.
Was the assignment complete, with minimal errors, correct output, and good style?	Excellent ☐	Pretty good ☐ (highlighted)	About average ☐	Could be improved ☐	Not this time ☐	**What supports this?** I reviewed the script multiple times to make sure nothing was wrong before debugging it correctly
How much EXTRA effort did you put into the assignment?	A lot of extra effort ☐		Some extra effort ☐ (highlighted)		Not this time ☐	**What supports this?**

Summary of your evaluation/efforts:
It was a challenge working with event listeners as I learnt that they were needed for java scripts to operate properly on html files.