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.
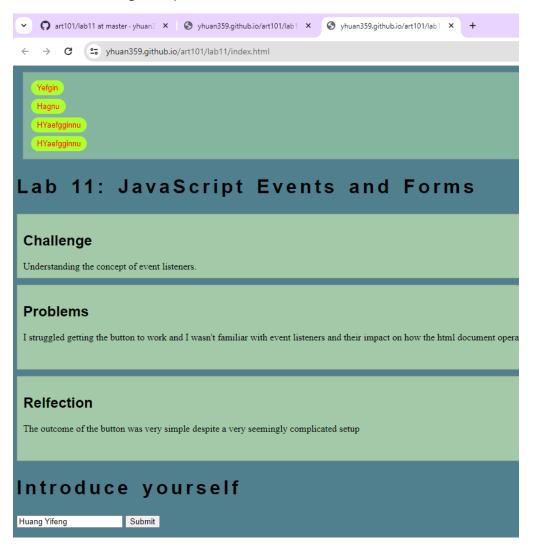
Screenshots:

Task 1: Create an index.html for your lab

```html
index.html ●        JS lab.js
lab11 > <> index.html
    1   <!DOCTYPE html>
    2   <html>
    3
    4       <head>
    5           <link rel="stylesheet" type="text/css" href="../css/site.css">
    6           <link rel="stylesheet" type="text/css" href="css/lab.css">
    7           <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
    8           <script src="js/lab.js" DEFER></script>
    9       </head>
   10
   11       <body>
   12           <main id="content"></main>
   13           <section>
   14           <h1> Lab 11: JavaScript Events and Forms  </h1>
   15           <div id="challenge" class="minor-section" id= "challenge">
   16                   <h2> Challenge </h2>
   17                   <p2> Understanding the concept of event listeners. </p2><br/>
   18           </div>
   19
   20           <div id="problems" class = "minor-section" id= "challenge">
   21               <h2> Problems </h2>
   22               <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/>
   23           </div>
   24
   25           <div id = "reflections" class="minor-section" id= "challenge">
   26               <h2> Relfection </h2>
   27               <p> The outcome of the button was very simple despite a very seemingly complicated setup<br/></p><br/>
   28           </div>
   29
   30           <h1>Introduce yourself</h1>
   31
   32           <div id = "output" ></div>
   33           <input  type="text" id="user-name" placeholder="Input your name">
   34           <button id="submit">Submit</button>
   35
   36       </body>
   37
   38   </html>
```

Task 2: Create a JavaScript file

```js
/*
    lab.js - This simple JavaScript/jQuery script appends new elements to an output div

    Requirements: jQuery must be loaded for this script to work.

    Author: Yifeng Huang
    Date: 05/17/2024
*/
function generateRandomText() {
  const text = "Hello Friendly Stay Come Nice Okay Good Cool Wow Awesome";
  const min = 5;
  const max = 20; // Make sure you define 'max'

  const randLen = Math.floor(Math.random() * (max - min + 1)) + min;

  // Get a random starting index to slice the Hello text
  const randStart = Math.floor(Math.random()) * (text.length - randLen);
  // Generate the random Hello-like text
  return text.slice(randStart, randStart + randLen)
}

// click listener for button
$("#make-convo").click(function()
  {

// get new fake dialogue
console.log("the button is clicked");

// get new fake dialogue
var newText = generateRandomText();

console.log("newText: " + newText);

// append a new div to our output div
/* use newText instead of newTExt */
$("#output").append('<div class="text"><p>' + newText + '</p></div>');
});
```

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 ☑	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 ☑	**Do you need to clarify?**
Did you put in earnest effort and provide an articulate summary of your experience?	Excellent ☐	Pretty good ☑	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 ☑	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 ☑		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.