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ART101 - Programming for the Arts

2024 Spring Quarter

Lab 10: JavaScript for the Web

5/13/2024

Links to the lab assignment result

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

This Lab page: <https://yhuan359.github.io/art101/lab10/index.html>

Summary of Efforts

Learning about JavaScript for the web makes it challenging. As I am not relying on writing on the html document, I understand how JavaScript is needed to perform most functions in contrast to the html document alone

Screenshots:

Task 1: Create an index.html

```
index.html X
lab10 > index.html > html > body
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/index.css">
7      <title> Input test - Username! </title>
8      <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
9      <script src = "js/lab10.js"></script>
10 </head>
11
12 <body>
13     <h1 id = "title"></h1>Hello, User </h1>
14     <p> Yay! It works</p>
15     <button onclick="getName()">Click Me</button>
16     <div id="output"></div>
17 </body>
18
19 </html>
```

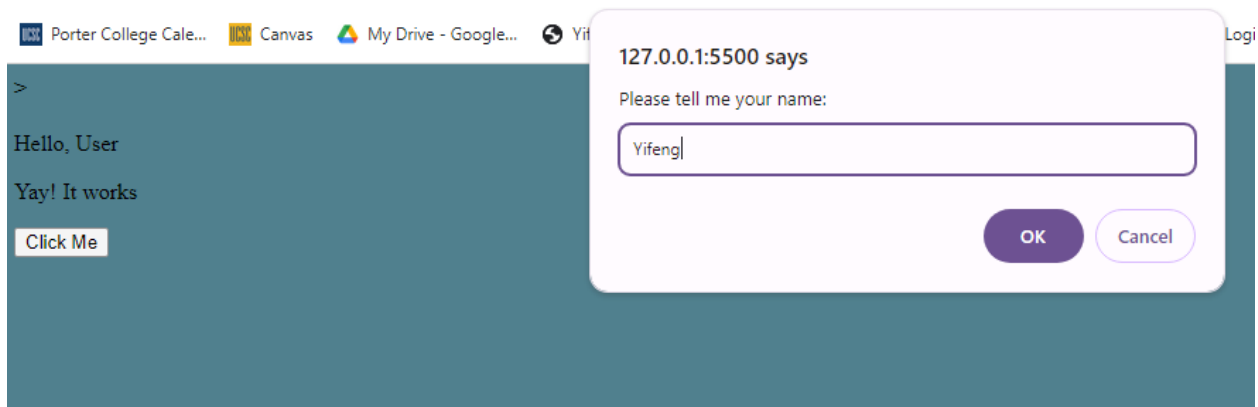
Task 2: Create a CSS file for your lab

```
css > # site.css > h1
1  /* we can use a single css file to style all the files in our website */
2
3  /* you can pick your own background colors, text colors, and fonts */
4
5  /* we can select an html element tag, in this case "body" will apply to the whole document */
6  body {
7      background-color: #50808E;
8  }
9
10 /* we can have rules apply to multiple elements at the same time with commas */
11 h1,h2,h3 {
12     font-family: sans-serif;
13 }
14
15 /* and we can have rules that overlap other rules, both take effect */
16 h1 {
17     letter-spacing: 5px;
18     word-spacing: 5px;
19     font-size: 200%;
20 }
21
22 /* the hashtag in a CSS selector selects an element by id, e.g., id="content" */
23 #content {
24     margin: 10px;
25     padding: 10px;
26     border: solid 1px #888;
27     background-color: #84B59F;
28 }
29
30 /* the period in a CSS selector selects an element by class, e.g., class="minor-section" */
31 .minor-section {
32     padding: 10px;
33     margin-bottom: 10px;
34     border: solid 1px #888;
35     background-color: #A3C9A8;
36 }
37
```

Task 3: Create a JavaScript file

```
lab10 > js > JS lab10.js > ...
1  function getName() {
2      var name = prompt ("Please tell me your name:");
3
4      $('#title').html('Hello, ' + name);
5
6      $("#output").html('<div class="text"><p><b>' + "Nice to meet you, " + name + '!' + '</b></p></div>');
7
8  }
9
```

Task 4: Test, Debug and upload



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?
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did you collaborate with a partner?	A lot of effort		Some effort		Not this time	Do you need to clarify?
	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Did you put in earnest effort and provide an articulate summary of	Excellent	Pretty good	About average	Could be improved	Not this time	What supports this? I followed the instructions and made this very simple.
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

your experience?						
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?
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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?
	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Summary of your evaluation/efforts: Working with jQuery seemed really scary at first, but with the guidance of examples presented to me and carefully evaluating it step by step, I felt that I have a better understanding of how jQuery works.						