

Yifeng Huang

ART101 - Programming for the Arts

2024 Spring Quarter

Lab 14: Debugging Tools & Strategies

5/21/2024

Links to the lab assignment result

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

This Lab page: <https://yhuan359.github.io/art101/lab14/index.html>

Summary of Efforts

My efforts in repairing one of my former pages was worthwhile and took a while for me to understand what I was doing wrong. Step by step, I was able to solve the problem and improve it in contrast to the last assignment. This lab shows what the lab was like before and how it was after.

Screenshots:

Task 1: Create an index.html and css file for your lab

```
lab14 > index.html > html > body > section > div.input-output > p
1 <html>
2 <head>
3   <link rel="stylesheet" type="text/css" href="../css/site.css">
4   <link rel="stylesheet" type="text/css" href="css/lab.css">
5   <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
6   <script src="js/lab.js" DEFER></script>
7 </head>
8
9 <body>
10   <main id="content"></main>
11   <section>
12     <h1> Lab 12: Conditionals </h1>
13     <div id="challenge" class="minor-section">
14       <h2> Challenge </h2>
15       <p2> Understanding the concept of conditionals. </p2><br/>
16     </div>
17
18     <div id="problems" class = "minor-section">
19       <h2> Problems </h2>
20       <p> I struggled with the mod numbers and understanding that the lab.js is supposed to be at the bottom.</p><br/>
21     </div>
22
23     <div id = "results" class="minor-section">
24       <h2> Results </h2>
25       <p>The mod numbers felt very complicated to play with.<br/></p><br/>
26     </div>
27
28     <div class="input-output">
29       <h2>Welcome to The anti-Purge resistance group</h2>
30       <p> Pick your companion to combat against the Purge and the NFFA (New Founding Fathers of America) </p>
31       Enter your name and meet your partner! :
32       <input type="text" id="input">
33       <button id="button">Submit</button>
34       <div id="output"></div>
35     </div>
36   </body>
37 </html>
```

Task 2: Debug Old Labs

Before:

```
lab14 > js > JS lab.js > myButton.addEventListener("click") callback
1  /*
2   * Author: Yifeng Huang
3   * Created: 5/21/24
4   * License: Public Domain
5   *
6   */
7
8  //Return Leo Barnes, Dante Bishop, Charlie Roan and Carmelo Johns
9  //depending on length mod 4
10 function sortingHat(str) {
11     len = str.length;
12     mod = len;
13     if (mod == 0 ) {
14         return "Leo Barnes"
15     }
16     else if (mod == 1) {
17         return "Dante Bishop"
18     }
19     else if (mod == 2) {
20         return "Charlie Roan"
21     }
22     else if (mod == 3) {
23         return "Carmelo Johns"
24     }
25 }
26
27 var myButton = document.getElementById("button");
28 myButton.addEventListener("click", function() {
29     var name = document.getElementById("input").value;
30     var partner = sortingHat(name);
31     newText = "<p> You have been partnered with " + partner + "</p>";
32     document.getElementById("output").innerHTML = newText;
33 })
```

Lab 14: Debugging

Challenge

Understanding the concept of conditionals.

Problems

I struggled with the mod numbers and understanding that the lab.js is supposed to be at the b

Results

The mod numbers felt very complicated to play with.

Welcome to The anti-Purge resistance group

Pick your companion to combat against the Purge and the NFFA (New Founding Fathers of A

Enter your name and meet your partner! :

You have been partnered with undefined

After:

```
lab14 > js > JS lab.js > myButton.addEventListener("click") callback
1  /*
2  * Author: Yifeng Huang
3  * Created: 5/21/24
4  * License: Public Domain
5  *
6  */
7
8  //Return Leo Barnes, Dante Bishop, Charlie Roan and Carmelo Johns
9  //depending on length mod 4
10 function sortingHat(str) {
11     len = str.length;
12     mod = len % 4;
13     if (mod == 0 ) {
14         return "Leo Barnes"
15     }
16     else if (mod == 1) {
17         return "Dante Bishop"
18     }
19     else if (mod == 2) {
20         return "Charlie Roan"
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24     }
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27 var myButton = document.getElementById("button");
28 myButton.addEventListener("click", function() {
29     var name = document.getElementById("input").value;
30     var partner = sortingHat(name);
31     newText = "<p> You have been partnered with " + partner + "</p>";
32     document.getElementById("output").innerHTML = newText;
33 })
```

Lab 14: Debugging

Challenge

Understanding the concept of conditionals.

Problems

I struggled with the mod numbers and understanding that the lab.js is supposed to be at the bottom.

Results

The mod numbers felt very complicated to play with.

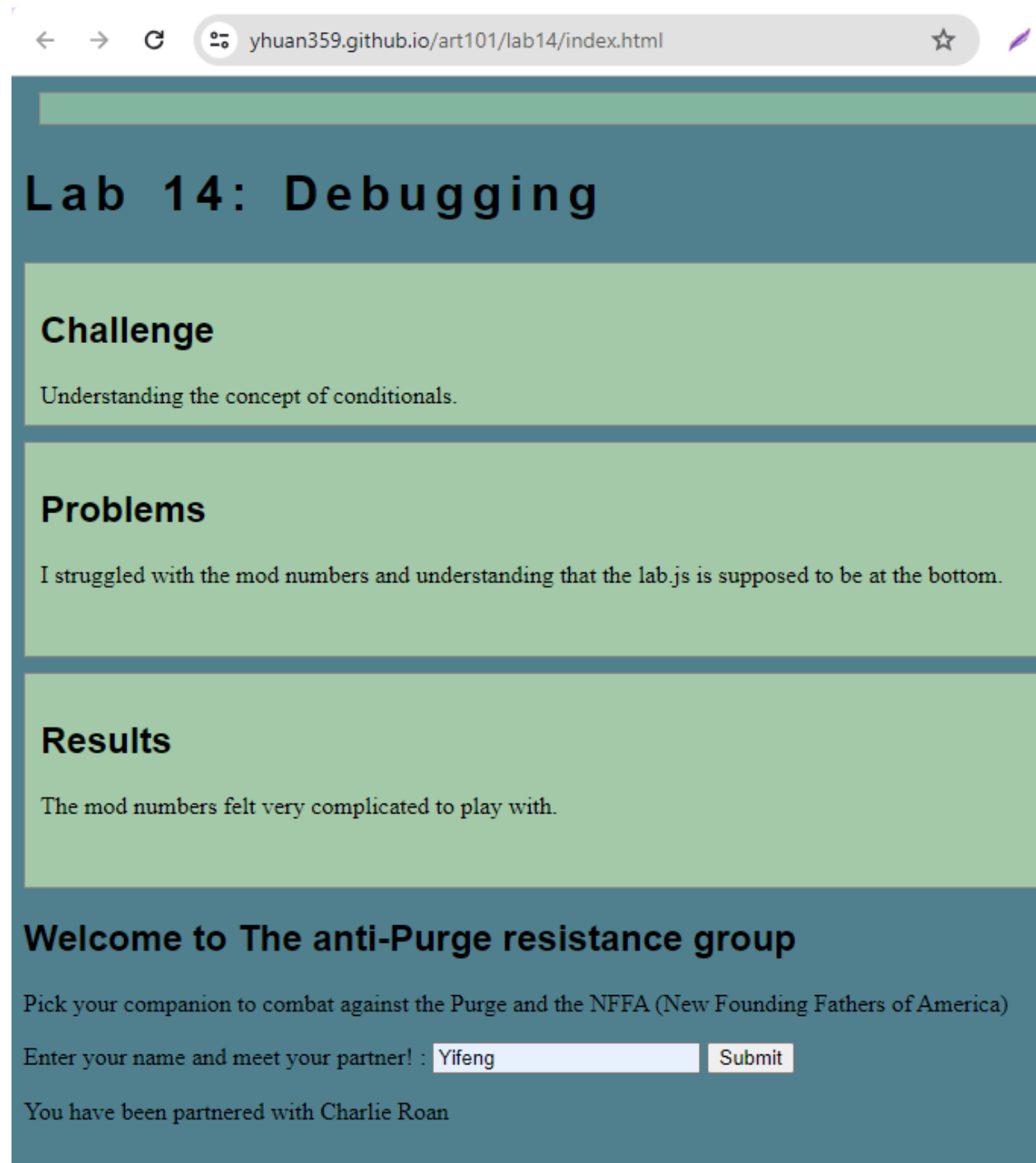
Welcome to The anti-Purge resistance group

Pick your companion to combat against the Purge and the NFFA (New Founding Fathers of America)

Enter your name and meet your partner! :

You have been partnered with Charlie Roan

Task 3: Resubmit



The screenshot shows a web browser window with the address bar displaying 'yhuan359.github.io/art101/lab14/index.html'. The page has a dark blue header with the title 'Lab 14: Debugging'. Below the header, there are three light green sections. The first section is titled 'Challenge' and contains the text 'Understanding the concept of conditionals.' The second section is titled 'Problems' and contains the text 'I struggled with the mod numbers and understanding that the lab.js is supposed to be at the bottom.' The third section is titled 'Results' and contains the text 'The mod numbers felt very complicated to play with.' At the bottom of the page, there is a dark blue footer with the title 'Welcome to The anti-Purge resistance group'. Below the title, there is a paragraph 'Pick your companion to combat against the Purge and the NFFA (New Founding Fathers of America)'. Then, there is a form with the label 'Enter your name and meet your partner! :', a text input field containing 'Yifeng', and a 'Submit' button. Finally, there is a line of text that says 'You have been partnered with Charlie Roan'.

← → ↻ 📄 yhuan359.github.io/art101/lab14/index.html ☆

Lab 14: Debugging

Challenge

Understanding the concept of conditionals.

Problems

I struggled with the mod numbers and understanding that the lab.js is supposed to be at the bottom.

Results

The mod numbers felt very complicated to play with.

Welcome to The anti-Purge resistance group

Pick your companion to combat against the Purge and the NFFA (New Founding Fathers of America)

Enter your name and meet your partner! :

You have been partnered with Charlie Roan

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 your experience?	Excellent	Pretty good	About average	Could be improved	Not this time	What supports this? It felt really simple on showing what went wrong
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
How much EXTRA effort did you put into the assignment?	A lot of extra effort		Some extra effort		Not this time	What supports this? I made this very simple and followed the basic instructions
	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Summary of your evaluation/efforts: I thought this assignment was expecting more than what I thought it would expect						