

Milestone 5: Testing

Team Cupcakes – Word Finder

Tucker Eckhoff

Melissa Pollich

Liam McCarthy

Jacob Reed

User Acceptance Tests:

Login Page User Acceptance Test

Step:	Test Step/Input:	Expected Result:
1.	Enter name and password into the provided fields	Able to enter text
2.	Click login button	If username and password are in the database – enter into the site If username and password do not match the database - display message stating such and fail to move the user onto the site.

Level User Acceptance Test

Step:	Test Step/Input:	Expected Result:
1.	Enter a word into the provided field	Able to enter text
2.	Click on the “guess” button	If word matches word in the list - display found word and decrement words remaining by one If word does not match word in list – no action
3.	Repeat until all words are found	Same as step 2
4.	Complete word search	Once all words are found change color of the found words and display “Complete!” in the input field that is now disabled

Menu/Nav Bar User Acceptance Test

1.	Enter the menu page after logging in to the site	Menu page should properly display
2.	Select a level page from the menu	Should be taken to the corresponding level page
3.	Select the menu from the header	Should return to the menu page

Automated Tests:

For our automated test cases we took our javascript functions and ran them in a test environment using Mocha. The code and results of the tests can be seen below.

```
1 function checkWord(wordsToFind, userIn) {
2
3   if (wordsToFind.includes(userIn)) {
4     // Include score code here
5     return true
6   }
7   return false;
8 }
9
10 function isComplete(wordsToFind) {
11
12   if (wordsToFind.length == 0) {
13     // Include score code here
14     return true
15   }
16   return false;
17 }
18
19 const assert = require('assert');
20
21 it('checks if the guess is in the list of words', function() {
22   var wordsToFind = ['puppy', 'foal', 'spiderling', 'kitten', 'chick', 'tadpole', 'calf', 'fry', 'lamb', 'piglet', '
23   var userIn = 'foal';
24   assert.equal(checkWord(wordsToFind, userIn), true);
25 });
26
27 it('checks if the guess is not in the list of words', function() {
28   var wordsToFind = ['puppy', 'foal', 'spiderling', 'kitten', 'chick', 'tadpole', 'calf', 'fry', 'lamb', 'piglet', '
29   var userIn = 'hippo';
30   assert.equal(checkWord(wordsToFind, userIn), false);
31 });
32
33 it('checks if the word search is not finished', function() {
34   var wordsToFind = ['puppy', 'foal', 'spiderling', 'kitten', 'chick', 'tadpole', 'calf', 'fry', 'lamb', 'piglet', '
35   assert.equal(isComplete(wordsToFind), false);
36 });
37
38 it('checks if the word search is finished', function() {
39   var wordsToFind = [];
40   assert.equal(isComplete(wordsToFind), true);
41 });
```

```
user@cu-cs-vm:~/CSCI3308_102/Project/Project_Test$ npm test
> calc.js@1.0.0 test /home/user/CSCI3308_102/Project/Project_Test
> mocha

  ✓ checks if the guess is in the list of words
  ✓ checks if the guess is not in the list of words
  ✓ checks if the word search is not finished
  ✓ checks if the word search is finished

  4 passing (9ms)

user@cu-cs-vm:~/CSCI3308_102/Project/Project_Test$
```