

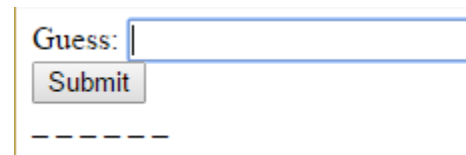
Javascript Assignment

Introduction:

Instructions: Play with JavaScript as described in class on March 3. Submit a paper describing your experience. The main purpose for this assignment was to get an introduction to using javascript and write a simple program using the Internet for research.

My Program:

I wrote a simple word guessing game, similar to hangman, that carries an array of ten words, and using a random number generator, picks one of these words for the user to guess. The user enters a character into an HTML form, then the character is compared to every character in the chosen word using a for loop. If a character matches one of the characters in the word a dialog box appears, telling the user where the character appears in the array.



Discussion:

I ran into a lot of issues while trying to write this program. I had SUCH a hard time getting the user input, and was very surprised that I couldn't find anything in javascript that was similar to a cin<< in c++. I had really wanted the dashes underneath the submit button to change to the characters of the word as you guessed them correctly, but I could just not get it to work, so I ended up going with the dialog boxes instead. (see code below!)

```
<html>

  <head>

    <title>TODO supply a title</title>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

  </head>

  <body>

    <form id="form">

      Guess: <input type="text" name="guess">

    </form>

    <button onclick="test()"> Submit</button>

    <br>
```

```
<script>

    init();

    function getWord() {

        var words = ["brick", "claw", "doll", "fire", "kid", "math", "poetry", "soap",
"toy", "zoo"];

        var rand = Math.floor((Math.random() * 10) + 0);

        var word = words[rand];

        return word;

    }

    function init() {

        word = getWord();

        //window.alert(word);

        var spaces = ["_ ", "_ ", "_ ", "_ ", "_ ", "_ "];

        var i = 0;

        for (i; i < word.length; i++) {

            document.write(spaces[i]);

            //var input = document.getElementById("input").value;

        }

    }

    function test() {

        //window.alert(word);

        x = document.getElementById("form");

        y = x.elements["guess"].value;

        //window.alert(y);

        for (i = 0; i < word.length; i++) {

            if (y === word.charAt(i)) {

                window.alert(word.charAt(i)+" is the "+(i+1) +" letter of the word");

            }

        }

    }

</script>
```

```
        }  
    }  
    </script>  
    <div></div>  
</body>  
  
    </html>
```
