

Quiz 2 for IT 238

Fall 2024

For multiple choice (1 point each), circle the best answer.

1. For jQuery, consider the statement `$ ( ' .message' ) .val ( 'blue' )`. This statement will.
 - a) match all elements with the class of 'message' and assign their value to the string 'blue'.
 - b) match the first element with the class of 'message' and assign its value to the string 'blue'.
 - c) return true if the first match has a value that is equal to 'blue'.
 - d) cause an error.

2. For jQuery, consider the statement `$ ( '#outcome' ) .html ( 'Hello!' )`. Assume that the web page has no element with the id of 'outcome.' This statement will then
 - a) cause an error.
 - b) do nothing.
 - c) create a new element with id of 'outcome'.
 - d) search for elements with the class name of 'outcome'.

3. Refer to the last two pages of this quiz, which consists of an html file and a js file. When the file loads, it displays the following page.

Quiz Page

Password

- Red
- Blue
- Green

To Appear

- a) Explain or show what happens to the page if the user types the string 'secret' in the Password text field and then clicks the button 'Send Word'. (2 points)
- b) Explain or show what happens to the page if the user clicks on the list item labeled 'Green'. (2 points)
- c) Write JavaScript code so when the user clicks on the Add button after clicking on a color (e.g., Red, Blue or Green), the following would occur:
- 1) Whatever string is in the Password text field would replace the string 'To Appear' at the bottom of the page. (2 points)
 - 2) The text at the bottom of the page would have its color change to the color item the user last clicked on. For example, if the user clicked on Red just before clicking on the button, the text at the bottom would change to the color red. (2 points)

HTML code for question 3

```
<!DOCTYPE html>
<html>
  <head>
    <title>Quiz Page</title>
    <script
      src="https://code.jquery.com/jquery-3.7.1.js"
      integrity="sha256-eKhayi8LEQwp4NKxN+CfCh+3qOVUtJn3QNZ0TciWLP4="
      crossorigin="anonymous">
    </script>
    <script src="q2.js"></script>
  </head>

  <h1>Quiz Page</h1>

  <p>
    <label for="pwd">Password </label><input type="text" id="pwd">
    <input type="button" value="Send Word" id="word">
  </p>

  <p>
    <ul id="colorMenu">
      <li>Red</li>
      <li>Blue</li>
      <li>Green</li>
    </ul>
    <input type="button" id="addColor" value="Add ?">
  </p>

  <p id="result">To Appear</p>
</html>
```

js file for question 3

```
window.onload = function() {  
  
    // uses jquery  
    $('h1').css('color', 'blue');  
    $('#word').click(function() {  
        let key = $('#pwd').val();  
        let phrase = `--- ${key}`;  
        $('h1').append(phrase);  
    });  
  
    let count = 0;  
    let chosen = "";  
  
    const add_button = document.getElementById('addColor');  
    const color_list = document.querySelectorAll('#colorMenu li');  
    const result_area = document.getElementById('result');  
  
    for (let item of color_list) {  
        item.addEventListener('click', function(evt) {  
            chosen = evt.target.innerHTML;  
            add_button.value = `Add ${chosen}`;  
        })  
    }  
  
    // your code for part c could go here  
  
}
```