Semester V (CS, SE) (Fall 2023) Lab-6 Course Instructor(s): Zoya & Fahad Shahzad

Understanding of DOM

Lab Task(s):

Exercises

1. Write a JavaScript program to set the background color of a paragraph.

2. Here is a sample html file with a submit button. Write a JavaScript function to get the value of the href, hreflang, rel, target, and type attributes of the specified link.

```
<a id="w3r" type="text/html" hreflang="en-us" rel="nofollow" target="_self" href="http://www.w3resource.com/">w3resource</a> <button onclick="getAttributes()">Click here to get attributes value</button> </body> </html>
```

33. Here is a sample html file with a submit button. Now modify the style of the paragraph text (such as fontSize, fontFamily, color, etc.) through javascript code.

```
<!DOCTYPE html>
<html><br>
<head>
<meta charset=utf-8 />
<tittle>JS DOM paragraph style</tittle>
</head>

<body>

<piid="text">JavaScript Exercises - w3resource
<div>
<button id="jsstyle" onclick="js_style()">Style</button> </div>
</body>
</html>
```

4. Write a JavaScript function to add rows to a table.

```
Row2 cell1
   Row2 cell2
   <br>
   <input type="button" onclick="insert_Row()" value="Insert row"> </body>
  </html>
5. Given the following HTML:
  <!DOCTYPE html>
  <html lang="en">
  <head>
   <meta charset="UTF-8">
   <title>Document</title>
  </head>
  <body>
   <div class="header">
   </div>
   <section id="container">
   one
   two
   three
   <0|>
   one
   class="second">two
   three
   </0|>
   </section>
   <div class="footer">
   </div>
  </body>
```

Write the code necessary to do the following:

- 1. Select the section with an id of container without using querySelector.
- 2. Select the section with an id of container using querySelector. 3. Select all of the list items with a class of "second".
- 4. Select a list item with a class of third, but only the list item inside of the ol tag.
- 5. Give the section with an id of container the text "Hello!".

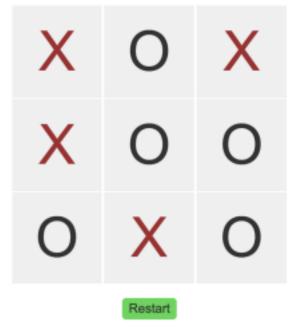
- 6. Add the class main to the div with a class of footer.
- 7. Remove the class main on the div with a class of footer.
- 8. Create a new li element.
- 9. Give the li the text "four".
- 10. Append the li to the ul element.
- 11.Loop over all of the lis inside the ol tag and give them a background color of "green".
- 12. Remove the div with a class of footer.
- 6. For this task you will be combining your knowledge of DOM access and events to build a todo app!

As a user, you should be able to:

- Add a new todo (by submitting a form)
- Mark a todo as completed (cross out the text of the todo)
- Remove a todo

Now using localStorage, try to store your todos so that if you refresh the page you do not lose what you have added to the list! As a super bonus, try to also save todos that you have marked as complete!

7. Create a Tic Tac Toe game with two players. Following is a sample output.





Department of Computer Science

CSC-352: Web Engineering Lab 05: JavaScript Functions, Local Storage & DOM