

WPT Assignment-5

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Program to implement messaging app using DOM operation

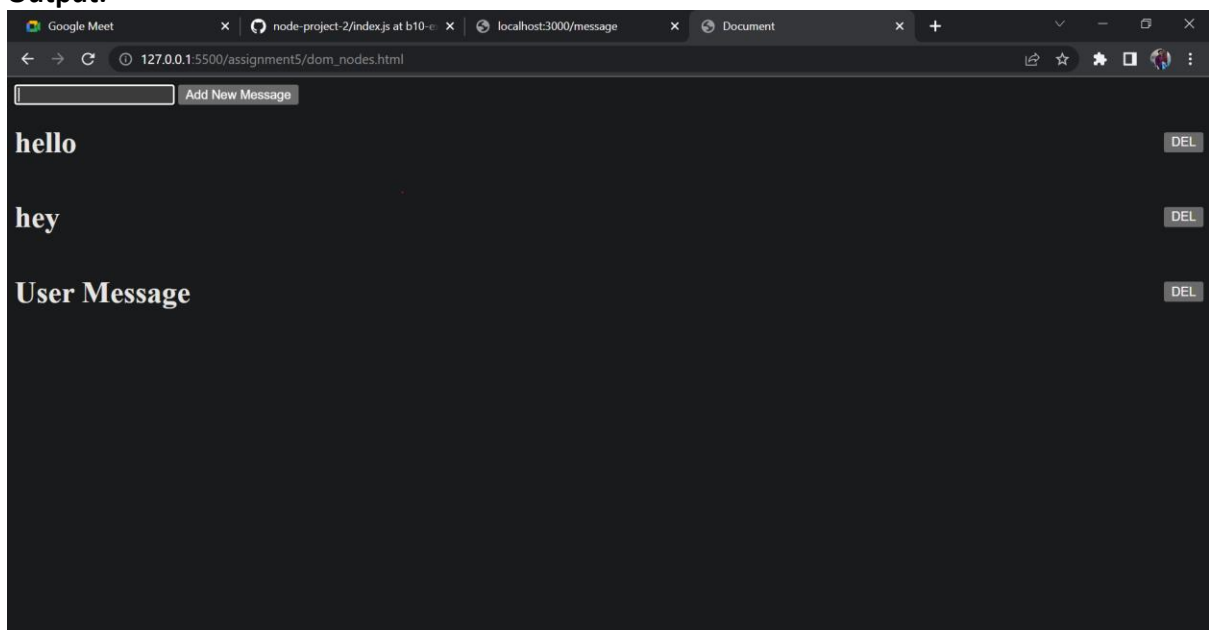
dom_nodes.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Document</title>
<script src="dom_nodes.js"></script>
</head>
<body>
<input type="text" name="" id="text-id1" onkeyup="checkEnter(event)" />
<input
id="btn-id1"
type="button"
value="Add New Message"
onclick="addNewMessage(this)"
/>
<!--this keyword to pass the input object-->
<!-- THIS IS MESSAGE CONTAINER -->
<div id="message-container">
<div
style="
display: flex;
justify-content: space-between;
align-items: center;
"
>
<h1>User Message</h1>
<input type="button" value="DEL" onclick="deleteMessage(this)" />
</div>
</div>
</body>
</html>
```

dom_nodes.js -> [DOM Navigation]

```
function addNewMessage(p1) {  
  // let divRef = document.querySelector("#message-container");  
  // let textRef = document.querySelector("#text-id1");  
  let divRef = p1.nextElementSibling; //Node Relationship  
  let textRef = p1.previousElementSibling;  
  let newElement = `    style="  
    display: flex;  
    justify-content: space-between;  
    align-items: center;  
    "  
  >  
    <h1>${textRef.value}</h1>  
    <input type="button" value="DEL" onclick="deleteMessage(this)" />  
  </div>`;  
  divRef.innerHTML = newElement + divRef.innerHTML;  
  // make empty  
  textRef.value = "";  
}  
function checkEnter(event) {  
  // Enter has been pressed  
  if (event.keyCode == "13") {  
    let btnRef = document.querySelector("#btn-id1");  
    addNewMessage(btnRef);  
  }  
}  
function deleteMessage(p1) {  
  p1.parentElement.remove();  
}
```

Output:



//onclick.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Document</title>
<script src="onclick.js"></script>
</head>
<body>
<h1 id="id1">Hello World</h1>
<input type="button" value="Change Color" onclick="changeColor('red')" />
<input type="button" value="Change Font Size" onclick="changeFontSize()" />
<input type="button" value="Reset" onclick="reset()" />
</body>
</html>
```

//onclick.js

```
function changeColor(p1color) {
let h1ref = document.querySelector("#id1");
h1ref.style.color = p1color;
}
function changeFontSize() {
let h1ref = document.querySelector("h1");
h1ref.style.fontSize = "64px";
}
function reset() {
let h1ref = document.querySelector("h1");
h1ref.style.color = "inherit";
h1ref.style.fontSize = "32px";
}
```

Output:

