

## WPT Assignment-6

- 1) Create a Messaging App which include the following operations.
  - a) Delete an Item from the Local Storage from your messaging APP.
  - b) Display the Validation Message

### Validation.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="check_validity.js"></script>
  </head>
  <body>
    <input
      id="textRef"
      type="text"
      onkeyup="checkEnterCode(event)"
      required
      minlength="3"
      maxlength="8"
    />
    <input
      id="btn1"
      type="button"
      value="Add Message"
      onclick="addMessage(this)"
    />

    <input type="button" value="Empty Local Storage" onclick="deleteAll()" />
    <div id="parent">
      <div
        style="
          display: flex;
          justify-content: space-between;
          align-items: center;
          "
      >
        <h1>Hello World</h1>
        <input type="button" value="DEL" onclick="deleteMessage(this)" />
      </div>
    </div>
  </body>
```

</html>

## Check\_validity.js

```
let messageList = [];  
  
// THIS IS LIKER UR CONSTRUCTOR  
window.addEventListener("load", () => {  
  // READ THE MESSAGES :: FROM LOCAL STORAGE  
  let strList = localStorage.getItem("messageList");  
  messageList = JSON.parse(strList) || [];  
  
  let divRef = document.querySelector("#parent");  
  for (let item of messageList) {  
    let previousMessage = `      style="  
        display: flex;  
        justify-content: space-between;  
        align-items: center;  
      "  
      >  
        <h1>${item}</h1>  
        <input type="button" value="DEL" onclick="deleteMessage(this)" />  
      </div>`;  
  
    divRef.innerHTML = previousMessage + divRef.innerHTML;  
  }  
});  
  
function addMessage(p1) {  
  let divRef = document.querySelector("#parent");  
  let textRef = p1.previousElementSibling;  
  
  // if the input field is invalid; returns from here.  
  if (!textRef.checkValidity()) {  
    //alert("Empty Messages are not allowed");  
  }  
  
  let newMessage = `    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 = newMessage + divRef.innerHTML;

// ADD THE MESSAGE INTO THE ARRAY; :: TO SAVE INTO LOCALSTORAGE
messageList.push(textRef.value);
localStorage.setItem("messageList", JSON.stringify(messageList));

// clear
textRef.value = "";
}

function checkEnterCode(event) {
  if (event.keyCode == 13) {
    let btn1Ref = document.querySelector("#btn1");
    addMessage(btn1Ref);
  }
}

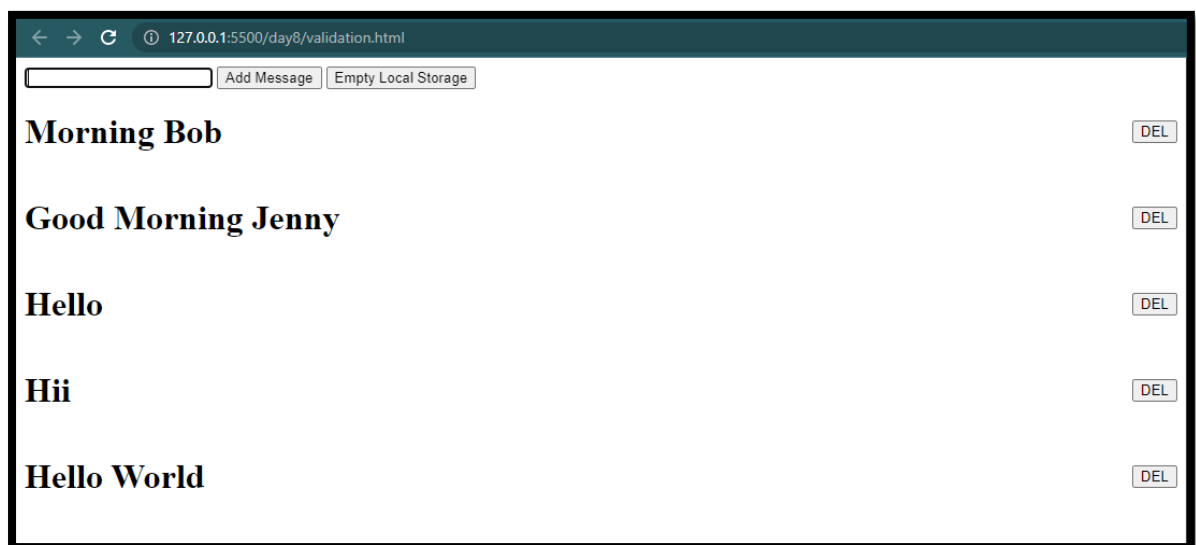
function deleteMessage(p1) {
  p1.parentElement.remove();
}

function deleteAll(p1) {
  localStorage.clear();
}

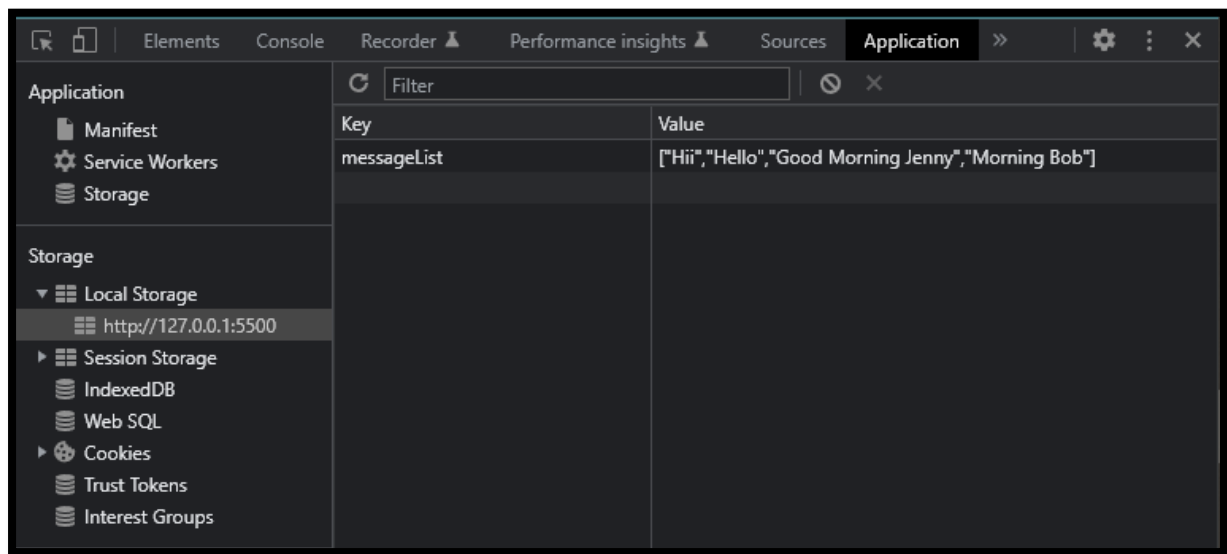
```

## Output:

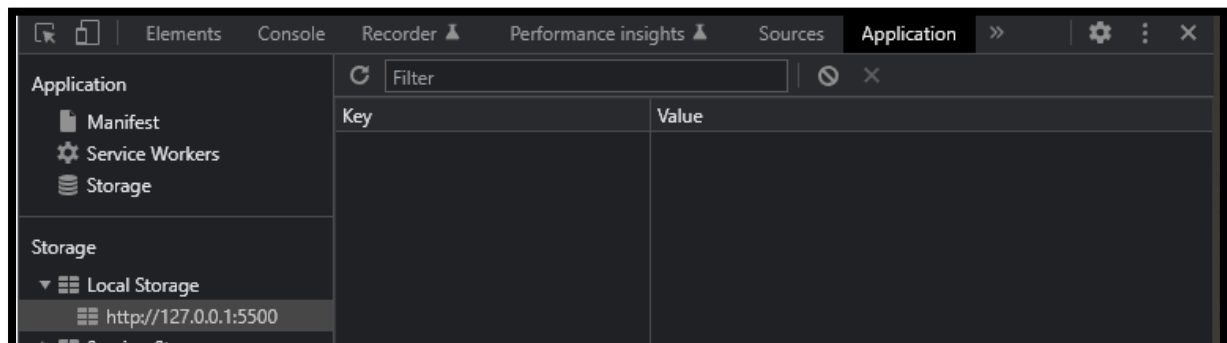
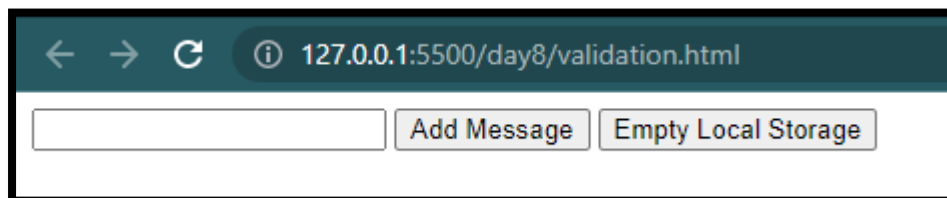
### *Adding Message Via Enter Key*



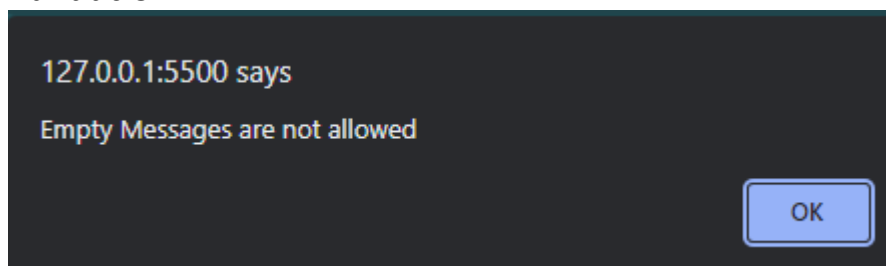
## Adding Messages into Local Storage



## Clearing Local Storage -> Empty Button



## Validation



## 2) Filter operation

### Filter.js

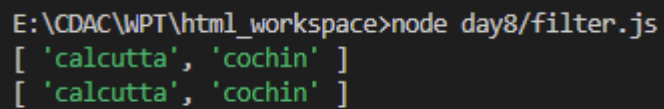
```
// Return all the elements that starts with 'c' letter
// outputList = ['calcutta', 'cochin'];
let inputList = ["delhi", "calcutta", "cochin", "pune", "patna", "nagpur"];

// Conventional way
let outputList = [];
for (let i = 0; i < inputList.length; i++) {
  let item = inputList[i];

  if (item.startsWith("c")) {
    outputList.push(item);
  }
}
console.log(outputList);

// Functional WAY
let outputList1 = inputList.filter((item) => item.startsWith("c"));
console.log(outputList1);
```

### Output:



```
E:\CDAC\WPT\html_workspace>node day8/filter.js
[ 'calcutta', 'cochin' ]
[ 'calcutta', 'cochin' ]
```

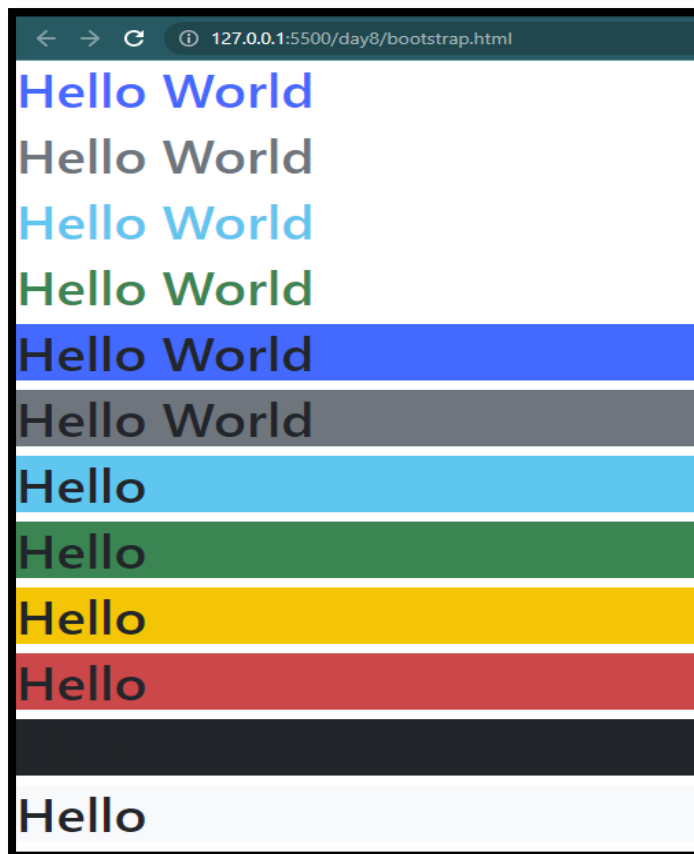
### 3) Bootstrap basics

#### Bootstrap1.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>
    <!-- CSS only -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-
rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG65
"
      crossorigin="anonymous"
    />
  </head>
  <body>
    <h1 class="text-primary">Hello World</h1>
    <h1 class="text-secondary">Hello World</h1>
    <h1 class="text-info">Hello World</h1>
    <h1 class="text-success">Hello World</h1>

    <h1 class="bg-primary">Hello World</h1>
    <h1 class="bg-secondary">Hello World</h1>
    <h1 class="bg-info">Hello</h1>
    <h1 class="bg-success">Hello</h1>
    <h1 class="bg-warning">Hello</h1>
    <h1 class="bg-danger">Hello</h1>
    <h1 class="bg-dark">Hello</h1>
    <h1 class="bg-light">Hello</h1>
  </body>
</html>
```

**Output:**



## **Bootstrap2.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>
    <!-- CSS only -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-
rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG65
"
      crossorigin="anonymous"
    />
  </head>
  <body>
    <div class="container-fluid p-0">
      <h1 class="bg-warning text-light p-4 mb-1 ">Hello World</h1>
```

<div class="bg-success text-light p-4 mb-1 ">

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</div>

<div class="bg-info text-light p-4 mb-1 ">

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</div>

<div class="bg-success text-light p-4 mb-1 sticky-top">

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</div>

<div class="bg-danger text-light p-4 mb-1 sticky-top">

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</div>

<div class="bg-success text-light p-4 mb-1">

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</div>

<div class="bg-success text-light p-4 mb-1">

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repudiandae.

</div>

<div class="bg-success text-light mb-1 p-4">

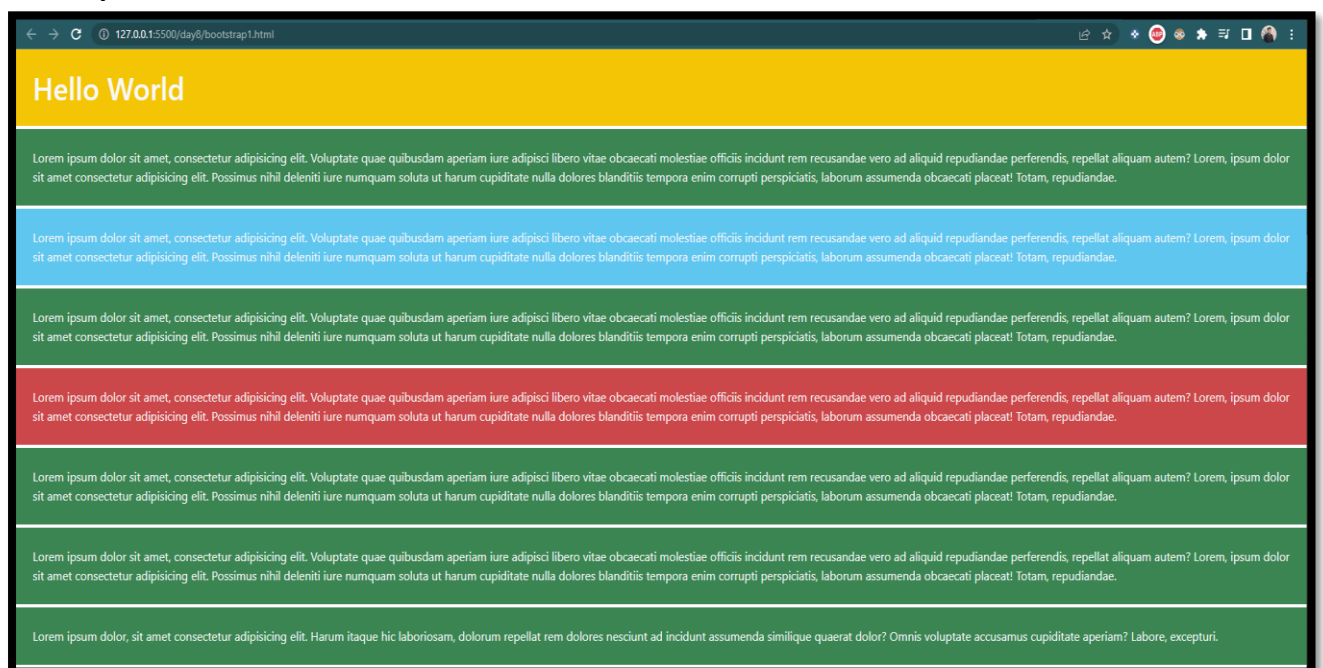
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hic laboriosam, dolorum repellat rem dolores nesciunt ad incidunt  
assumenda similique quaerat dolor? Omnis voluptate accusamus cupiditate  
aperiam? Labore, excepturi.

</div>

</body>

</html>

## Output:



## Working\_form.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>

    <!-- CSS only -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-
rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG65"
      crossorigin="anonymous"
    />
  </head>
  <body>
    <div class="container-fluid p-0">
      <h1 class="bg-dark text-light p-3">Registration Demo</h1>

      <input
        type="text"
        placeholder="Enter Username"
        class="form-control form-control-lg mb-1"
        style="height: 70px"
      />

      <input
        type="text"
        placeholder="Enter Password"
        class="form-control form-control-lg mb-1"
        style="height: 70px"
      />

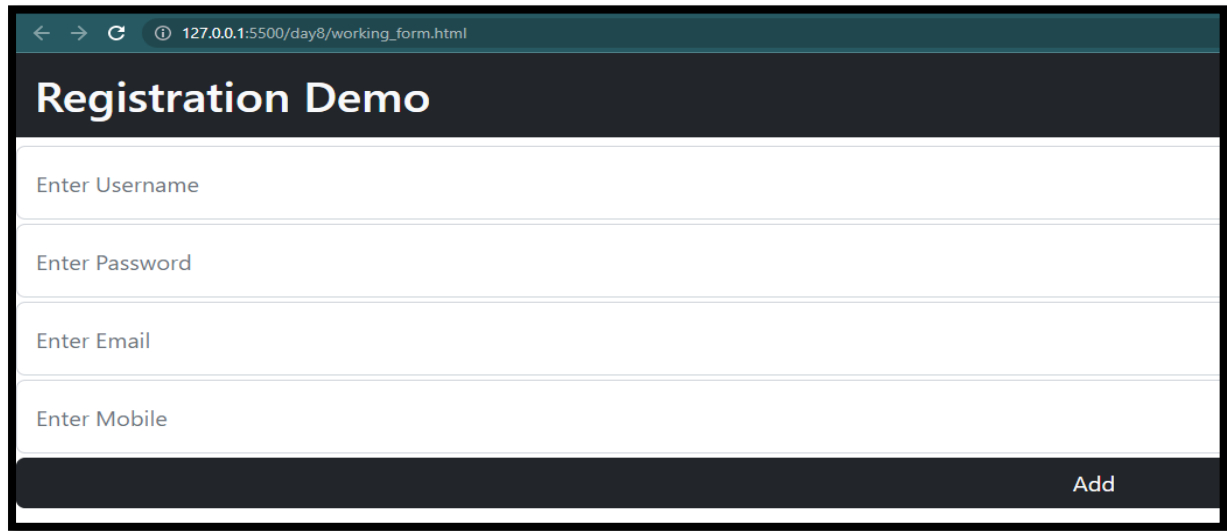
      <input
        type="text"
        placeholder="Enter Email"
        class="form-control form-control-lg mb-1"
        style="height: 70px"
      />

      <input
        type="text"
        placeholder="Enter Mobile"
```

```
        class="form-control form-control-lg mb-1"
        style="height: 70px"
    />

    <input class="btn btn-lg btn-dark w-100" type="button" value="Add" />
</div>
</body>
</html>
```

### Output:



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:5500/day8/working\_form.html". The page has a dark header with the title "Registration Demo" in white. Below the header, there is a form with four input fields, each with a placeholder text: "Enter Username", "Enter Password", "Enter Email", and "Enter Mobile". At the bottom right of the form, there is a dark button labeled "Add".