WPT Assignment – 7

Q] Create a Messaging App with following features
- **Local storage**
- **Displaying previous messages**

Message_app.html

```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"
    />
    <script src="message.js"></script>
  </head>
  <body>
    <nav class="navbar bg-success navbar-dark">
      <div class="container-fluid">
        <a class="navbar-brand" href="#">Messaging App</a>
      </div>
    </nav>

    <div class="d-flex mt-2 mb-2">
      <input
        type="text"
        id="textId1"
        class="form-control border me-1"
        placeholder="Post your message"
        minlength="3"
        required
        onkeyup="checkEnterEvent(event)"
      />
      <!--validation-->
      <!--minlength = user should enter minimum 3 character-->
      <!--required = field is required it cannot be empty-->
      <input
```

```html
      type="button"
      value="Submit"
      class="btn btn-sm btn-success me-1"
      onclick="addMessage(false)"
    />

    <input
      type="button"
      value="Reply"
      class="btn btn-sm btn-success me-1"
      onclick="addMessage(true)"
    />
  </div>
  <!--container to dislpay the message that will be entered-->
  <div id="container"></div>
 </body>
</html>
```

Message_app.js

```javascript
let messageList = [];

window.addEventListener("load", () => {
 let strList = localStorage.getItem("messageList");
 if (strList != null) {
  messageList = JSON.parse(strList);
 }

 let parentRef = document.querySelector("#container");
 for (let item of messageList) {
  let message = item.message;

  let messageTime = new Date(item.messageTime);
  let hour = messageTime.getHours();
  let minutes = messageTime.getMinutes();

  let dclass = "justify-content-start";
  if (item.reply) {
   dclass = "justify-content-end";
  }

  let newMessage = `<div class="row mb-1 ${dclass}">
     <div class="col-6">
       <div
       class="d-flex badge text-bg-danger opacity-75 justify-content-between align-items-center"
       >
```

```javascript
            <div>${message}</div>
            <div style="font-size: 10px">${hour}:${minutes}</div>
            </div>
          </div>
        </div>`;

    parentRef.innerHTML = newMessage + parentRef.innerHTML;
  }
});

function addMessage(reply) {
  let parentRef = document.querySelector("#container");

  let textRef = document.querySelector("#textId1");
  // validation
  if (!textRef.checkValidity()) {
    // alert("Valdiation error");
    textRef.classList.add("border-danger");
    return;
  } else {
    textRef.classList.remove("border-danger");
  }

  let message = textRef.value;
  let messageTime = new Date();
  let hour = messageTime.getHours();
  let minutes = messageTime.getMinutes();

  let dclass = "justify-content-start";
  if (reply) {
    dclass = "justify-content-end";
  }

  let newMessage = `<div class="row mb-1 ${dclass}">
              <div class="col-6">
                <div
                class="d-flex badge text-bg-danger opacity-75 justify-content-between align-
items-center"
                >
                <div>${textRef.value}</div>
                <div style="font-size: 10px">${hour}:${minutes}</div>
                </div>
              </div>
            </div>`;

  parentRef.innerHTML = newMessage + parentRef.innerHTML;
  textRef.value = "";
```
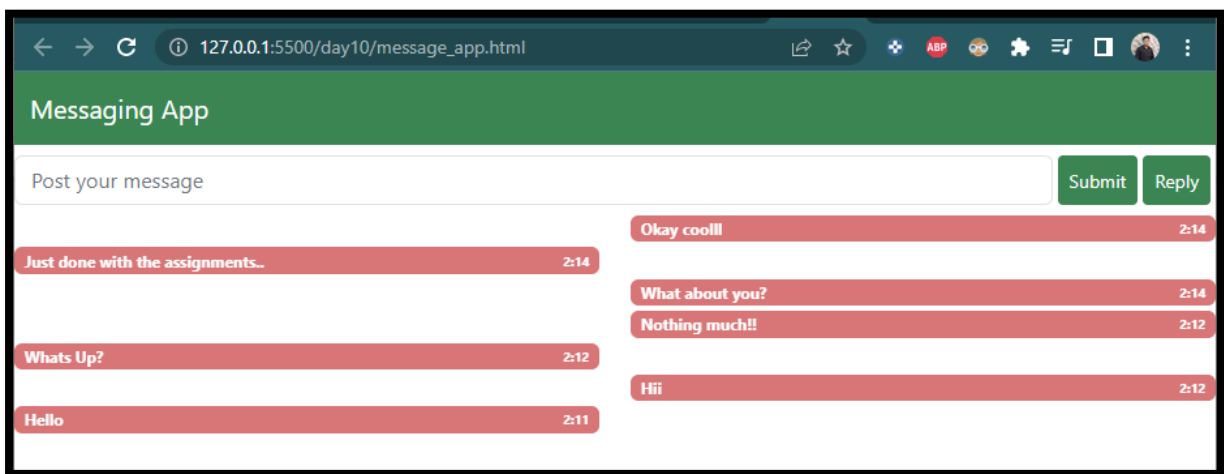
```
    // Storing in Localstorage
    let messageRef = { message: message, messageTime: messageTime, reply: reply };
    messageList.push(messageRef);
    localStorage.setItem("messageList", JSON.stringify(messageList));
}

function checkEnterEvent(event) {
  if (event.keyCode == "13") {
    addMessage(false);
  }
}
```

Output:

**Validation Search Delete Add <u>Create a website using following Bootstrap
Utilities</u>**
colour/background/margin/padding
Flex
Row/column
Alert/Badge/card/navbar
Multipage application using Navbar.

1.html

```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"
  />

  <!-- JavaScript Bundle with Popper -->
  <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
kenU1KFdBIe4zVF0s0G1M5b4hcpxyD9F7jL+jjXkk+Q2h455rYXK/7HAuoJl+0I4"
    crossorigin="anonymous"
  ></script>
 </head>
 <body>
  <nav class="navbar navbar-expand-lg bg-success navbar-dark">
   <div class="container-fluid">
    <a class="navbar-brand" href="#">Project Book</a>
    <button
      class="navbar-toggler"
      type="button"
      data-bs-toggle="collapse"
      data-bs-target="#navbarSupportedContent"
      aria-controls="navbarSupportedContent"
```

```html
      aria-expanded="false"
      aria-label="Toggle navigation"
    >
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav ms-auto mb-2 mb-lg-0">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="13.html">About</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Contact</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Project</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Connect</a>
        </li>
      </ul>
    </div>
  </div>
</nav>

<div class="row">
  <div class="col-3 p-0">
    <div class="card">
      <img
        src="https://picsum.photos/400"
        alt=""
        style="height: 300px; object-fit: cover"
      />
      <div class="card-header">Product 1</div>
      <div class="card-body">
        Lorem ipsum dolor, sit amet consectetur adipisicing elit. Vitae quis
        ducimus laboriosam ipsum, hic beatae autem vero delectus quisquam
        officia dolor voluptatem dignissimos aspernatur fuga quos velit
        perspiciatis aperiam facilis!

        <div>
          <button
            type="button"
            class="btn btn-primary"
            data-bs-toggle="modal"
```

```
        data-bs-target="#exampleModal"
      >
        Launch demo modal
      </button>

      <input
        class="btn btn-secondary"
        type="button"
        value="Add to Cart"
      />
    </div>
  </div>
 </div>
</div>

<div class="col-3 p-0">
  <div class="card">
    <img
      src="https://picsum.photos/401"
      alt=""
      style="height: 300px; object-fit: cover"
    />
    <div class="card-header">Product 1</div>
    <div class="card-body">
    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Vitae quis
    ducimus laboriosam ipsum, hic beatae autem vero delectus quisquam
    officia dolor voluptatem dignissimos aspernatur fuga quos velit
    perspiciatis aperiam facilis!

      <div>
        <button
          type="button"
          class="btn btn-primary"
          data-bs-toggle="modal"
          data-bs-target="#exampleModal"
        >
          Launch demo modal
        </button>

        <input
          class="btn btn-secondary"
          type="button"
          value="Add to Cart"
        />
      </div>
    </div>
  </div>
</div>
```

```html
    </div>

    <div class="col-3 p-0">
      <div class="card">
        <img
          src="https://picsum.photos/402"
          alt=""
          style="height: 300px; object-fit: cover"
        />
        <div class="card-header">Product 1</div>
        <div class="card-body">
          Lorem ipsum dolor, sit amet consectetur adipisicing elit. Vitae quis
          ducimus laboriosam ipsum, hic beatae autem vero delectus quisquam
          officia dolor voluptatem dignissimos aspernatur fuga quos velit
          perspiciatis aperiam facilis!

          <div>
            <button
              type="button"
              class="btn btn-primary"
              data-bs-toggle="modal"
              data-bs-target="#exampleModal"
            >
              Launch demo modal
            </button>

            <input
              class="btn btn-secondary"
              type="button"
              value="Add to Cart"
            />
          </div>
        </div>
      </div>
    </div>

    <div class="col-3 p-0">
      <div class="card">
        <img
          src="https://picsum.photos/404"
          alt=""
          style="height: 300px; object-fit: cover"
        />
        <div class="card-header">Product 1</div>
        <div class="card-body">
          Lorem ipsum dolor, sit amet consectetur adipisicing elit. Vitae quis
          ducimus laboriosam ipsum, hic beatae autem vero delectus quisquam
```

officia dolor voluptatem dignissimos aspernatur fuga quos velit
perspiciatis aperiam facilis!

```html
        <div>
          <button
            type="button"
            class="btn btn-primary"
            data-bs-toggle="modal"
            data-bs-target="#exampleModal"
          >
            Launch demo modal
          </button>

          <input
            class="btn btn-secondary"
            type="button"
            value="Add to Cart"
          />
        </div>
      </div>
    </div>
  </div>
</div>

<!-- Modal -->
<div
  class="modal fade"
  id="exampleModal"
  tabindex="-1"
  aria-labelledby="exampleModalLabel"
  aria-hidden="true"
>
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h1 class="modal-title fs-5" id="exampleModalLabel">Modal title</h1>
        <button
          type="button"
          class="btn-close"
          data-bs-dismiss="modal"
          aria-label="Close"
        ></button>
      </div>
      <div class="modal-body">
        Lorem ipsum dolor sit amet consectetur adipisicing elit. Pariatur
        modi molestiae nulla cum neque, quae, consequatur beatae tenetur
        quam atque similique temporibus ab cupiditate eligendi. Similique
```

```
      earum reiciendis neque id!Lorem Lorem ipsum dolor sit amet
      consectetur adipisicing elit. Magnam veniam laboriosam voluptates
      praesentium facilis tempore facere recusandae ab. Libero
      reprehenderit nesciunt commodi animi corrupti, inventore officiis
      ducimus nihil quidem dolores.
    </div>
    <div class="modal-footer">
      <button
        type="button"
        class="btn btn-secondary"
        data-bs-dismiss="modal"
      >
        Close
      </button>
      <button type="button" class="btn btn-primary">Save changes</button>
    </div>
    </div>
    </div>
    </div>
  </body>
</html>
```

Output:

Project Book

Home

About

Contact

Project

Connect

Product 1

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Vitae quis ducimus laboriosam ipsum, hic beatae autem vero delectus quisquam officia dolor voluptatem dignissimos aspernatur fuga quos velit perspiciatis aperiam facilis!

Launch demo modal

Add to Cart

Product 1

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Vitae quis ducimus laboriosam ipsum, hic beatae autem vero delectus quisquam officia dolor voluptatem dignissimos aspernatur fuga quos velit perspiciatis aperiam facilis!

Launch demo modal

Add to Cart

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Launch demo modal

Add to Cart

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Launch demo modal

Add to Cart

First slide label

Some representative placeholder content for the first slide.

Card Header	**Card Header**	**Card Header**	**Card Header**
Lorem ipsum dolor sit amet consectetur adipisicing elit. Iusto perspiciatis quo natus!	Lorem ipsum dolor sit amet consectetur adipisicing elit. Iusto perspiciatis quo natus!	Lorem ipsum dolor sit amet consectetur adipisicing elit. Iusto perspiciatis quo natus!	Lorem ipsum dolor sit amet consectetur adipisicing elit. Iusto perspiciatis quo natus!
Add to Cart Explore	Add to Cart Explore	Add to Cart Explore	Add to Cart Explore