WPT-Assignment-8

- **Create a Messaging App with Date Object concepts using the following functions (message include with sending time in hour and minute).**
- **Use Bootstrap**
- **Add Message**
- **Reply Message**
- **Validate**
- **Enter code**
- **Local storage**
- **Load the Previous message**

Message_app.html

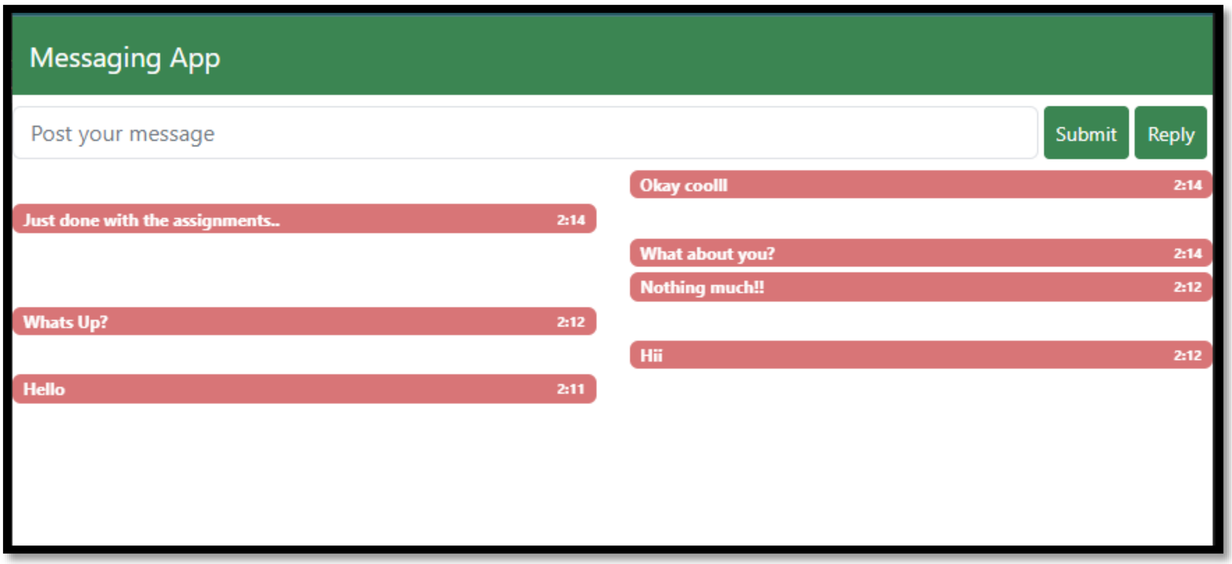
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <!-- CSS only -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
      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
        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.js

```
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"
                >
                <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:



Okay coolll 2:14

Just done with the assignments.. 2:14

What about you? 2:14

Nothing much!! 2:12

Whats Up? 2:12

Hii 2:12

Hello 2:11