**\_nology**

Portfolio Project – Storing Messages

# Overview

Now that we have covered the JavaScript sessionStorage API, we should be able to use it to preserve state on our website.

# Goals

1. **Storing messages in sessionStorage:** The goal here is to be able to store incoming messages from users so that we can read and manage them later.

# Specifications

### Make the following changes to your project:

* When you submit your form a JavaScript function should be executed:
  + Further Reading: <https://www.w3schools.com/tags/ev_onsubmit.asp>
* Inside this function do the following:
  + Prevent default form submission behavior: <https://developer.mozilla.org/en-US/docs/Web/API/Event/preventDefault>
  + Create variables for each input and get the value from each input
  + Create an object from these variables
  + Fetch existing messages from sessionStorage
    - If there are no messages use an empty array
    - You will need to use JSON.parse() to get the data back as an array
    - See: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse>
  + Add your form object to the messages
    - See: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/push>
  + Add your updated messages to sessionStorage
    - In order to store your array in sessionStorage you will need to stringify it
    - See: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/stringify>
* After submitting the contact form
  + JSON.parse(sessionStorage.getItem(“messages”))
  + Should contain the new contact form object

# Pro-Tips:

* When something in JavaScript isn’t working always use console.log to inspect variables and values.
* To inspect sessionStorage you can always inspect it in the browser console to validate everything is working accordingly.
* If you are lost a good rule of thumb is to: google, google and google. Some good search terms would be:
  + How to store values in sessionStorage
  + How to store arrays in sessionStorage
  + How to check a key in sessionStorage
* When in doubt about how to achieve something in JavaScript; MDN, w3schools and stackoverflow are your best friends. Even developers with long tenures have to look things up, never feel ashamed when you can’t figure something out straight away.
* When copying and pasting code from online resources always take the time to make sure you understand what that code is doing. A good tip for doing this, is going through every line, googling every function that’s being used and leaving a comment for yourself above each line.

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