

Local and Session Storage



Review

Last week we made a theme switcher using javascript and CSS classes.

If you got stuck, watch the video of Class 32's coding session.

Local and Session Storage

Local and Session Storage is a way to store data in web browser

In both options the data you store is only available in to the client, nothing is saved to your web server

It is a great way to create values that are accessible across your website

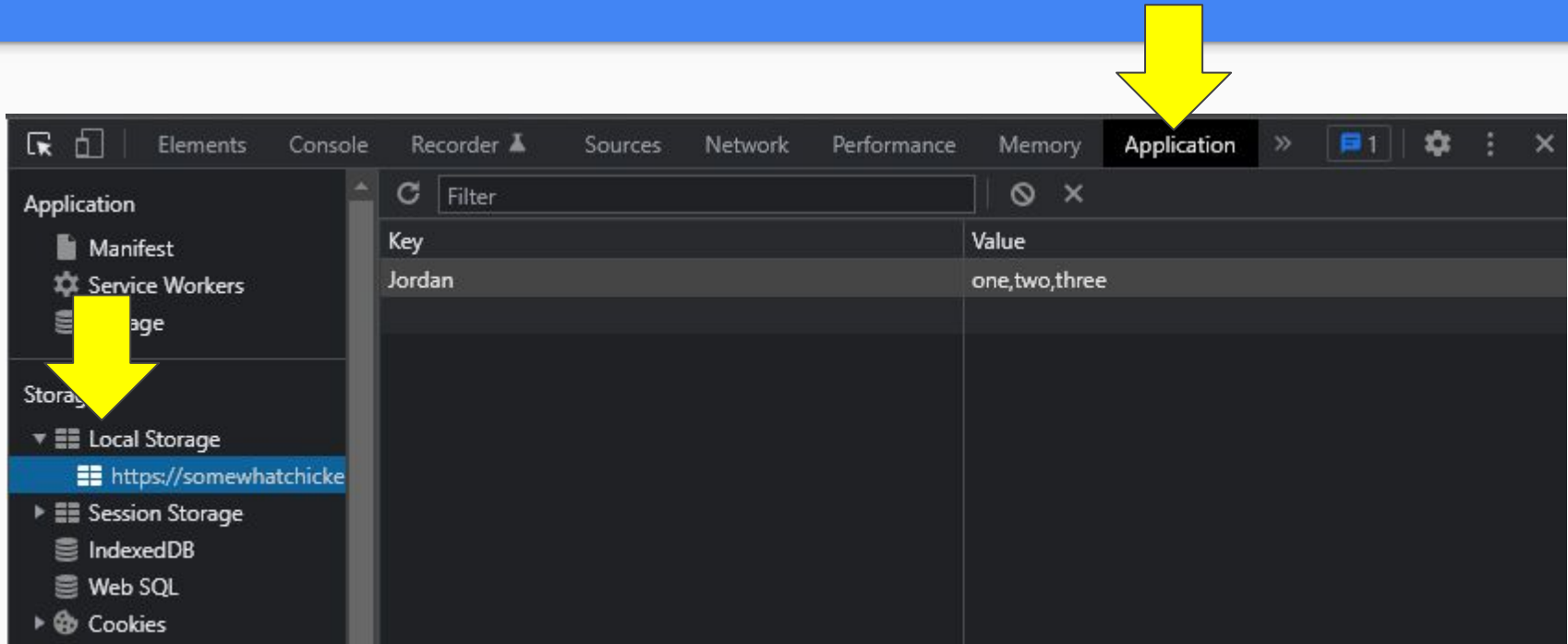
Local Storage

Local storage DOES NOT expire even if the browser is closed, the page is refreshed, or the clients OS is rebooted

The code

```
localStorage.setItem(Input Name, Input Value);
```

Accessing local storage



Lets try it

```
localStorage.setItem(Input Name, Input Value);
```

Other things you can do with localStorage

- `setItem`
- `getItem`
- `removeItem`
- `clear`

Updating a value in local storage

If you want to update the value of something all you have to do is use setItem

```
localStorage.setItem(Name of Value you want to update, Value);
```

getItem

If you need to use a value from your local storage you can use getItem

```
var x = localStorage.getItem(Name of Value you want to get);
```

removeItem

If you need to remove a value from your local storage you can use removeItem

```
localStorage.removeItem(Name of Value you want to get);
```

clear

Clear will remove everything in your local storage

```
localStorage.clear();
```

Lets try it

```
var x = localStorage.getItem(Name of Value you want to get);
```

```
localStorage.removeItem(Name of Value you want to remove);
```

```
localStorage.clear();
```

Session Storage

Session storage DOES expire as soon as the browser is closed or if the page is refreshed

Everything we just learned with Local Storage applies to Session Storage

The code

```
sessionStorage.setItem(Input Name, Input Value);
```

Lets try it

```
sessionStorage.setItem(Input Name, Input Value);
```

```
var x = sessionStorage.getItem(Name of Value you want);
```

```
sessionStorage.removeItem(Name of Value you want to remove);
```

```
sessionStorage.clear();
```


Arrays

Quick Intro:

Arrays are special variables that can hold more than one value:

```
const cars = ["Saab", "Volvo", "BMW"];
```

```
const numberList = [1, 7, 10];
```

What if I want to get all the values in Storage?

You can use a for loop and arrays (upcoming lessons).

You can use `.length` to loop through either local or session storage to get all values

```
for (var i = 0; i < localStorage.length; i++){  
    console.log(localStorage.getItem(localStorage.key(i)));  
}
```

For know just know you can do this, later we'll practice this more.

You can also store an array as a single key/value pair in storage.

```
var x = ['one', 'two', 'three']
```

```
sessionStorage.setItem('numbers', x);
```

Practice

Create a new page on your website called userInput.html

Create 6 different input fields for a user to input data and a submit button

Store all 6 values of those input fields into either local or session storage

Create a new page on your website called userResults.html

On this page show the results of what the user entered on userInput.html

Example Inputs Include:

Text, radio, checkbox, password, date, number

https://www.w3schools.com/html/html_form_input_types.asp