Local storage, Cookie and Session storage

	Cookies	Local Storage	Session Storage
Capacity	4kb	10mb	5mb
Browsers	HTML4 / HTML 5	HTML 5	HTML 5
Accessible from	Any window	Any window	Same tab
Expires	Manually set	Never	On tab close
Storage Location	Browser and server	Browser only	Browser only
Sent with requests	Yes	No	No

Local storage & Session storage

LocalStorage

```javascript
localStorage.setItem('test', 1);


alert( localStorage.getItem('test') ); // 1
```

Object-like access

```javascript
// set key
localStorage.test = 2;

// get key
alert( localStorage.test ); // 2

// remove key
delete localStorage.test;
```

Strings only

```javascript
localStorage.user = {name: "John"};
alert(localStorage.user); // [object Object]
```

```javascript
localStorage.user = JSON.stringify({name: "John"});

// sometime later
let user = JSON.parse( localStorage.user );
alert( user.name ); // John
```

Session Storage

```javascript
sessionStorage.setItem('test', 1);


alert( sessionStorage.getItem('test') ); // after refresh: 1
```

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Cookie

Reading from document.cookie

```
alert( document.cookie ); // cookie1=value1; cookie2=value2;...
```

Writing to document.cookie

```
document.cookie = "user=John"; // update only cookie named 'user'
alert(document.cookie); // show all cookies
```

```
// special characters (spaces), need encoding
let name = "my name";
let value = "John Smith"

// encodes the cookie as my%20name=John%20Smith
document.cookie = encodeURIComponent(name) + '=' + encodeURIComponent(value);

alert(document.cookie); // ...; my%20name=John%20Smith
```

Set cookie with options: path=/; domain=site.com; expires; secure; samesite

```
document.cookie = "user=John; path=/; expires=Tue, 19 Jan 2038 03:14:07 GMT"
```

Note: Check w3school for supporting functions

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Good luck 👌