

# COOKIES



WEB DEVELOPER  
BOOTCAMP

I LOVE TO EAT COOKIES, ESPECIALLY BROWN BUTTER COOKIES!

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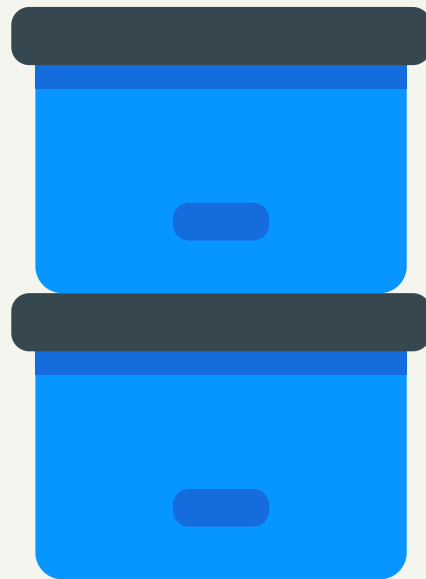
# COOKIES

## WHAT ARE THEY?

Cookies are little bits of information that are stored in a user's browser when browsing a particular website.

Once a cookie is set, a user's browser will send the cookie on every subsequent request to the site.

Cookies allow use to make HTTP stateful



# SESSIONS

## WHAT ARE THEY?

It's not very practical (or secure) to store a lot of data client-side using cookies. This is where sessions come in!

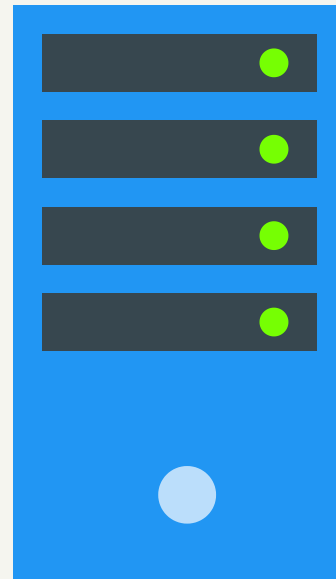
Sessions are a **server-side** data store that we use to make HTTP stateful. Instead of storing data using cookies, we store the data on the server-side and then send the browser a cookie that can be used to retrieve the data .

A diagram might be helpful here.

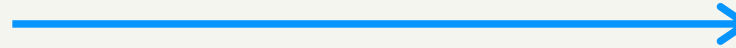
## DATA STORE

```
{
  id: 3,
  shoppingCart: [
    {item: 'lime', qty:1},
    {item: 'la croix', qty:99},
    {item: 'lemon', qty:2},
  ]
},
{
  id: 4,
  shoppingCart: [
    {item: 'carrot', qty:2},
    {item: 'celery', qty:5},
    {item: 'taser;', qty:99},
  ]
},
{
  id: 5,
  shoppingCart: [
    {item: 'apple', qty:2},
    {item: 'onion', qty:5},
    {item: 'pear;', qty:9},
  ]
}
```

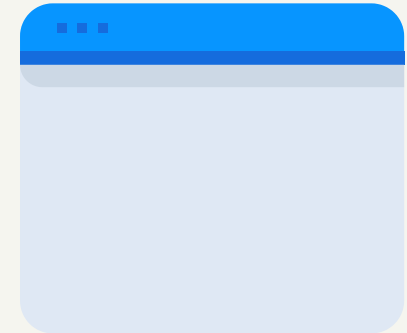
## SERVER



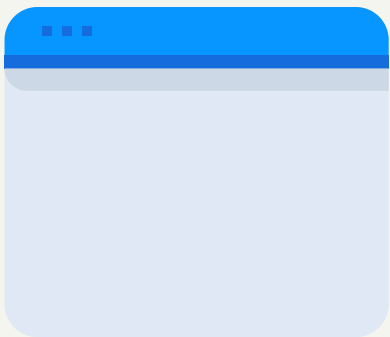
Your session ID is 4



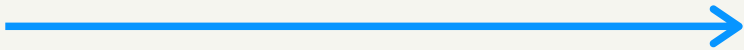
## CLIENT



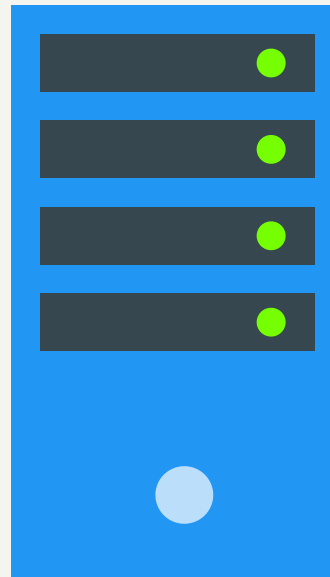
## CLIENT



I have a cookie for you!  
Session ID is 4



## SERVER



## DATA STORE

```
{  
  id: 4,  
  shoppingCart: [  
    {item: 'carrot', qty:2},  
    {item: 'celery', qty:5},  
    {item: 'taser;', qty:99},  
  ]  
}
```