

QUICK RECAP - AJAX

The **internet** is made up of many many computers that are connected to each other, called **servers**

When you visit web pages, what you're really doing is telling the browser to fetch data from servers

 Browser

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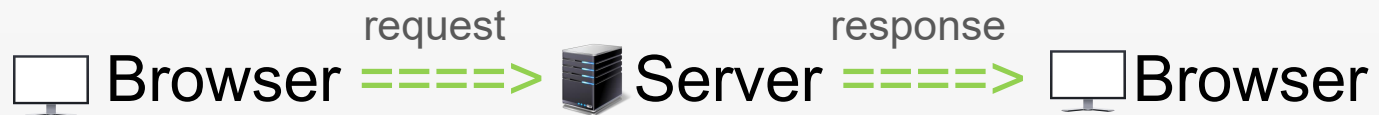
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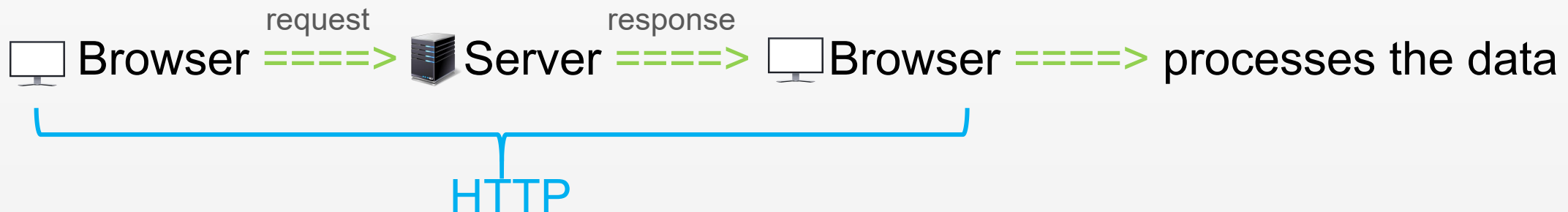
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Bottom line: the browser sends requests to servers, and waits for a response back

When the browser sends a request to a server, it **has to** send the server something, right?

Where can the server find your data (depends on the **method**)

Which URL sent the request (**host**)

What kind of data format the browser is expecting to receive back from the server (e.g. text or JSON or XML or HTML) (**Accept**)

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Sometimes you want to send CUSTOM information to your server (like **username**, **email**, **ID**, a **password**, etc.)

HTML currently only gives us 2 ways to send this data in a request

GET => The data is sent in the **Header** of the HTTP request

POST => The data is sent in the **Body** of the HTTP request (more private)

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Lets say you want to get a users name from the server, when they sign into their account on your page

Our **GET** request could look something like this

```
GET /user Accept: application/json
```

The server may then **return** something like this:

```
200 OK Content-Type: application/json  
{ "name": "John Doe", "age": "38" }
```


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This sending and receiving of data happens a lot, and we do it by using **JavaScript**

The term for this is **ajax**, or **AJAX** if you want to shout

Asynchronous **J**avaScript **A**nd **X**ML

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Knowing how to work with AJAX and make HTTP requests is a **very** important skill

React.js uses AJAX. **Angular** uses AJAX.

So, let's get
crackin!