

REQUESTS

- XMLHTTP
- FETCH
- AXIOS



A J A X

- ASYNCHRONOUS
- JAVASCRIPT
- AND
- XML



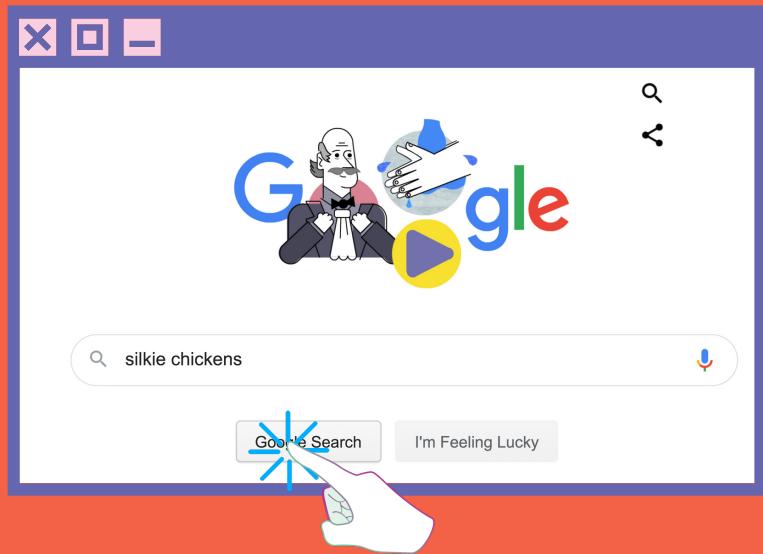


HTTP REQUESTS

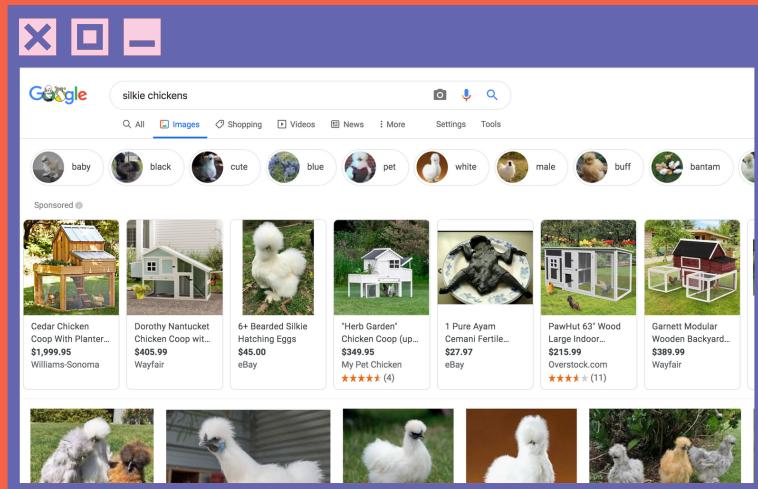
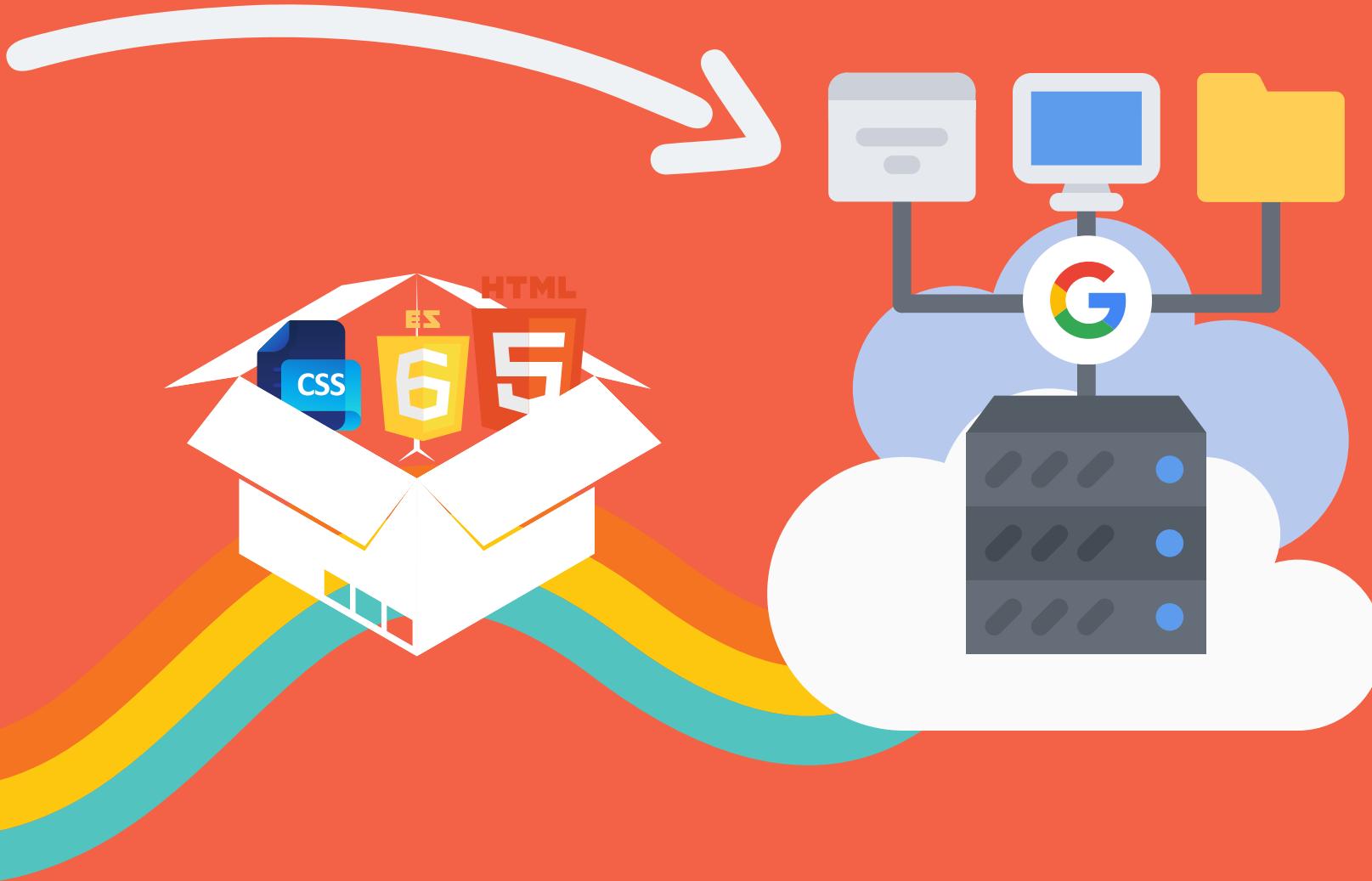


- Foundation of communication on the World Wide Web
- "Hyper Text Transfer Protocol"
- Request -> *I would like this information please*
- Response -> *Ok, here you go!*



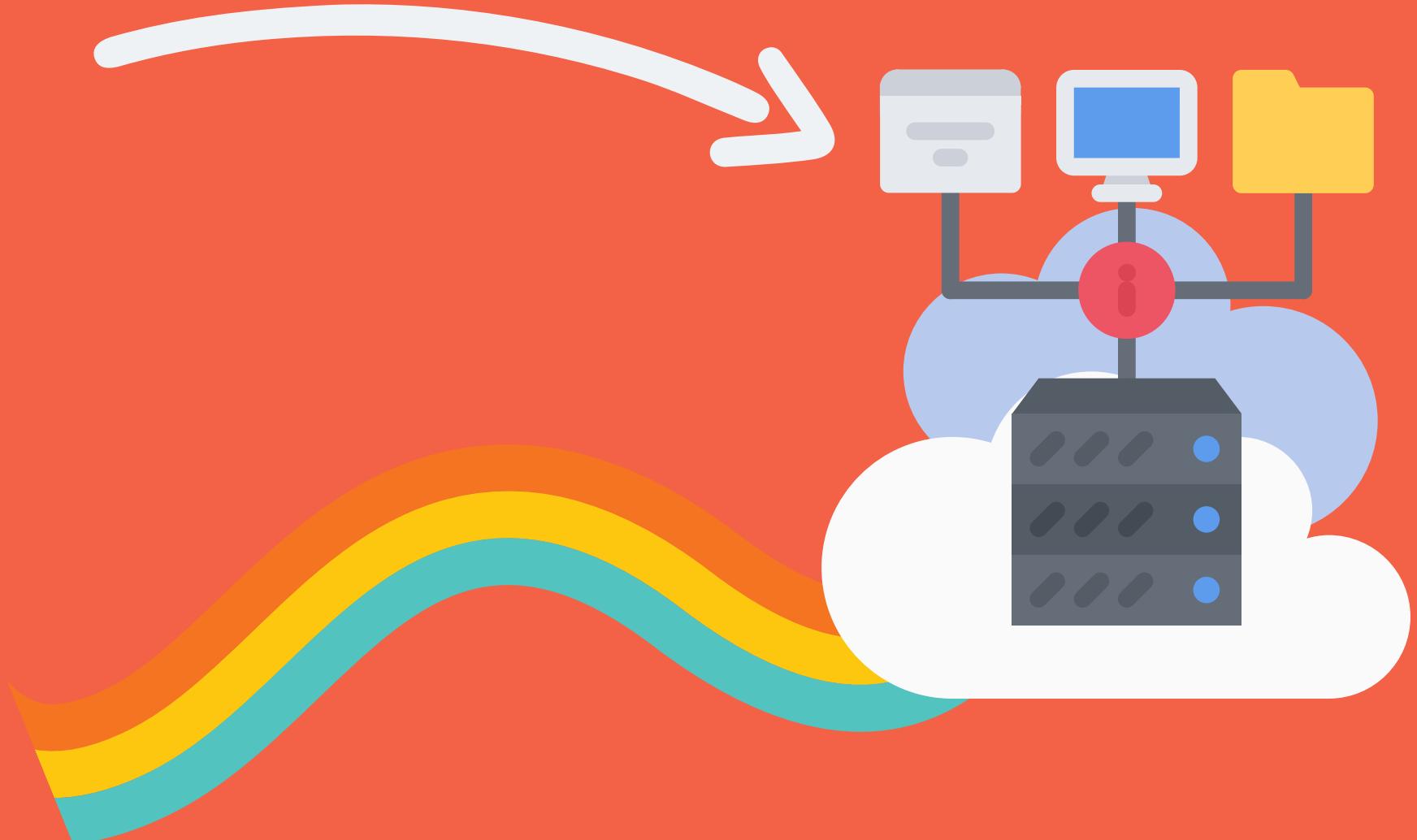


PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS





PLEASE GIVE ME
[API.CRYPTONATOR.COM/API/TICKER/BTC-USD](https://api.cryptonator.com/api/ticker/BTC-USD)



price is 11227.76

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AJAJ

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JSON

- Java
- Script
- Object
- Notation

```
{  
  "squadName": "Super hero squad",  
  "homeTown": "Metro City",  
  "formed": 2016,  
  "secretBase": "Super tower",  
  "active": true,  
  "members": [  
    "Molecule Man",  
    "Madame Uppercut",  
    "Eternal Flame"  
  ]  
}
```

XMLHttpRequest

- The "original" way of sending requests via JS.
- Does not support promises, so...lots of callbacks!
- WTF is going on with the weird capitalization?
- Clunky syntax that I find difficult to remember!



XMLHttpRequest



```
const myReq = new XMLHttpRequest();

myReq.onload = function() {
    const data = JSON.parse(this.responseText);
    console.log(data);
};

myReq.onerror = function(err) {
    console.log('ERROR!', err);
};

myReq.open('get', 'https://icanhazdadjoke.com/', true);
myReq.setRequestHeader('Accept', 'application/json');
myReq.send();
```

Fetch API

- The newer way of making requests via JS
- Supports promises!
- Not supported in Internet Explorer :(

FETCH



```
fetch('https://icanhazdadjoke.com/23/2', {
    headers : { Accept: 'application/json' }
})
    .then((res) => {
        if (res.status !== 200) {
            console.log('Problem!', res.status);
            return;
        }
        res.json().then((data) => {
            console.log(data);
        });
    })
    .catch(function(err) {
        console.log('Fetch Error', err);
    });
}
```