

Your Next Week

Tuesday April 21

6:30 PM

- **DUE Class 11 Lab**
- **DUE Class 12 Reading**
- Class 12A
- Instructor Syncs

Wednesday April 22

6:30 PM

- Class 12B
- Instructor Syncs

MIDNIGHT

- **DUE Class 12 Learning Journal**

Thursday April 23

6:30 PM

- Co-Working
- Instructor Syncs

Friday April 24

Saturday April 25

6:30 PM

- **DUE Class 12 Code Challenge**
- **DUE Class 12 Lab**
- **DUE Class 13 Reading**
- Class 13

MIDNIGHT

- **DUE Class 13 Learning Journal**

Sunday April 26

MIDNIGHT

- **DUE Class 12-13 Feedback**

Monday April 27

6:30 PM

- Career Coaching Workshop #1 Continued (Mandatory)

Tuesday April 28

6:30 PM

- **DUE Class 13 Lab**
- **DUE Class 13 Code Challenge**
- **DUE Class 14 Reading**
- Class 14A

Lab 11 Review

Class 12

OAuth

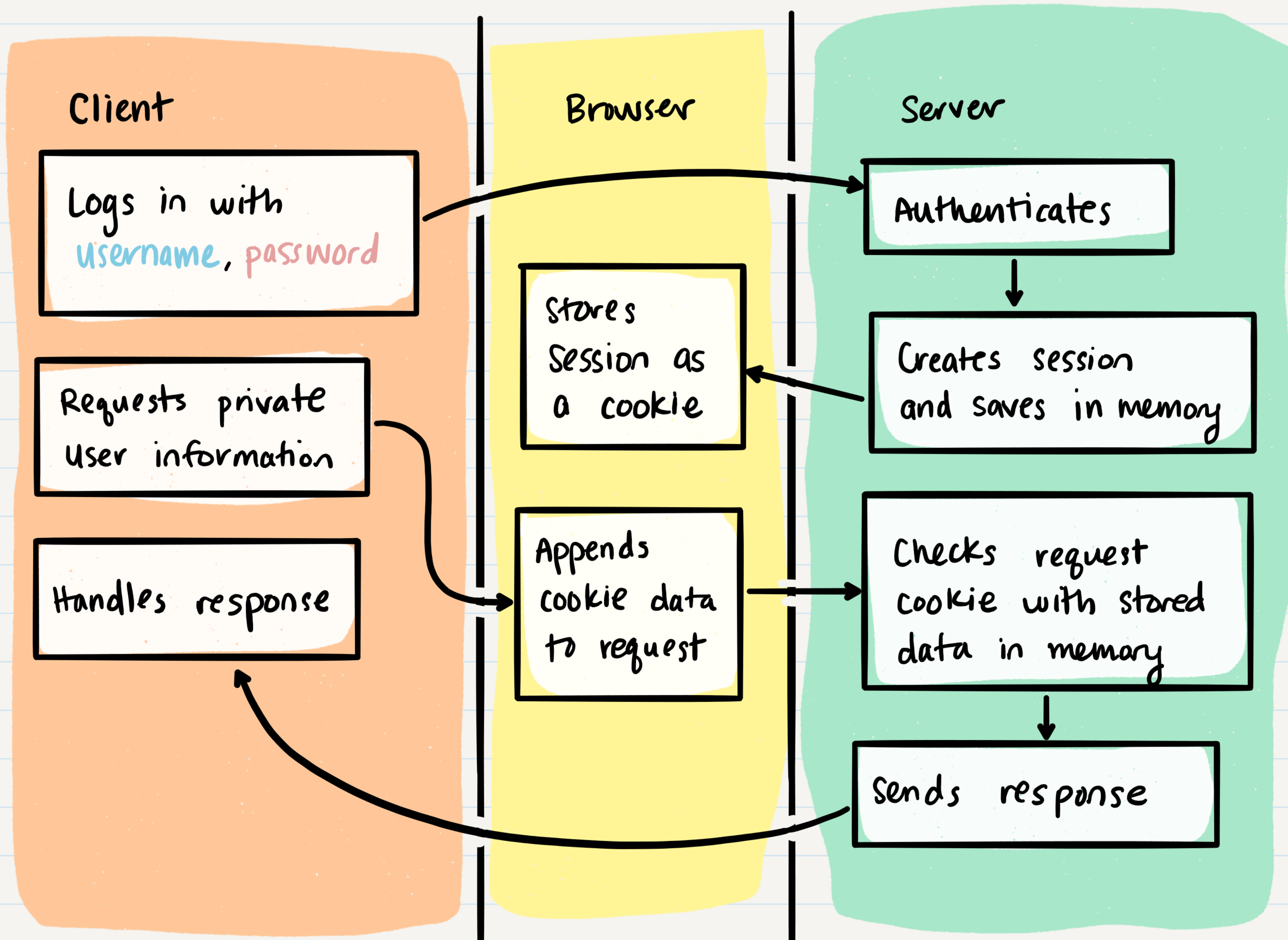
seattle-javascript-401n16

But first...
Things we didn't cover
from Class 10!

Sessions and Tokens

- How does an application “remember” that you were logged in?
- Server either creates a **session**, or gives the client a **token**
 - Session - something the server tracks by using a **cookie**
 - Token - something the server gives the client to pass along in any future requests





Client

Logs in with
username, password

Saves JSON web
token sent from
server

Adds token to header
of subsequent
requests

Handle response

Browser

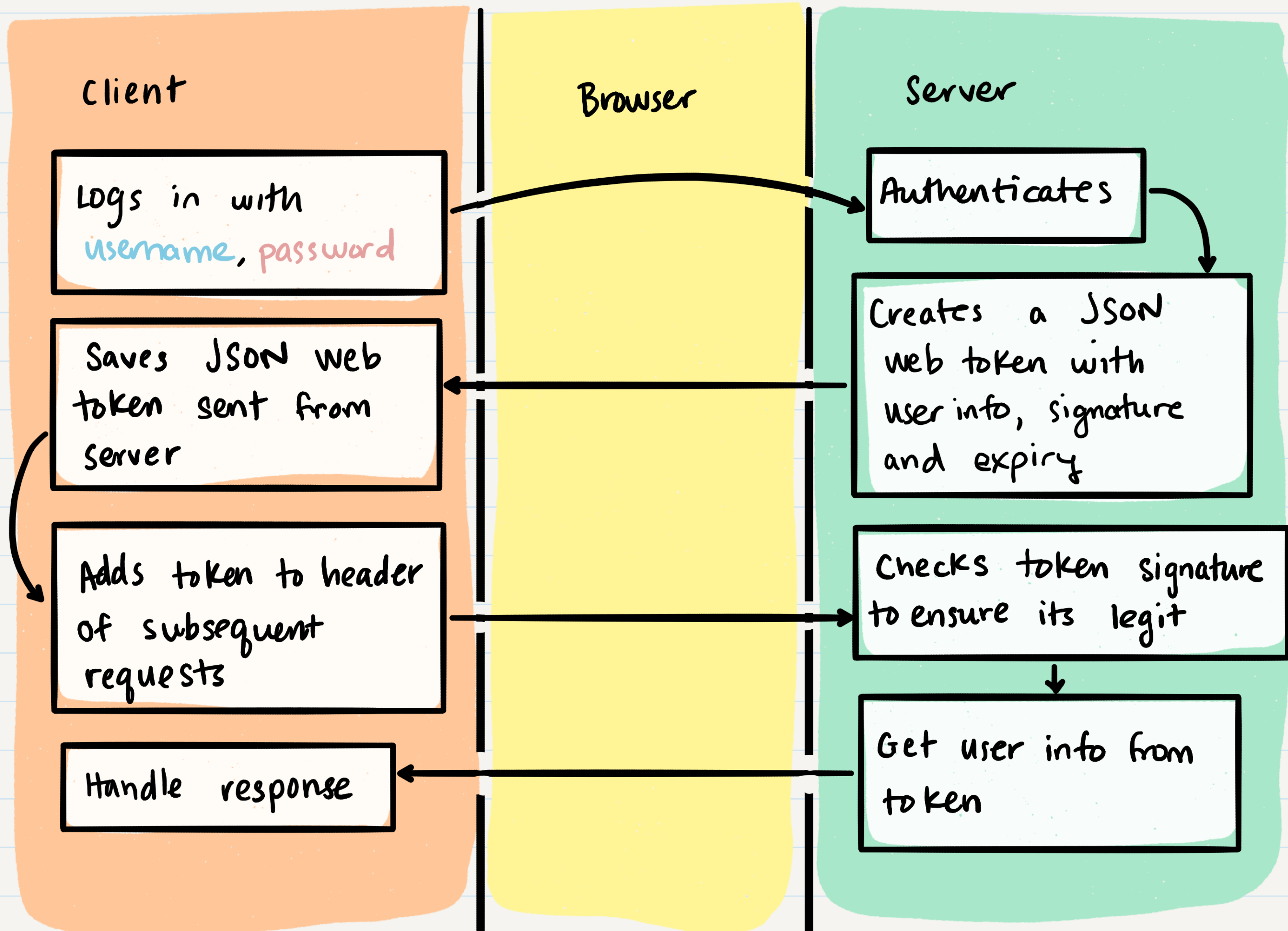
Server

Authenticates

Creates a JSON
web token with
user info, signature
and expiry

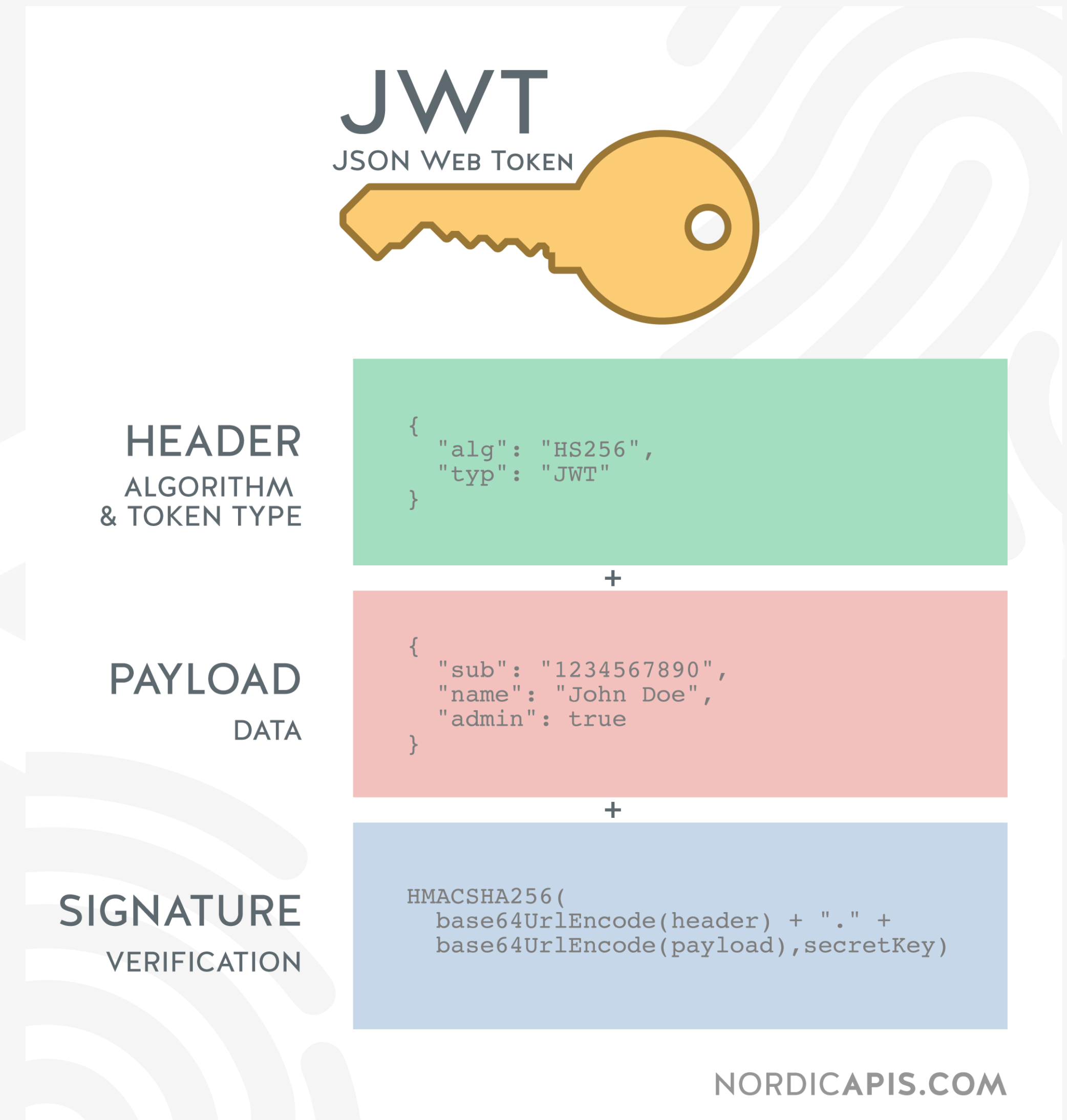
Checks token signature
to ensure its legit

Get user info from
token



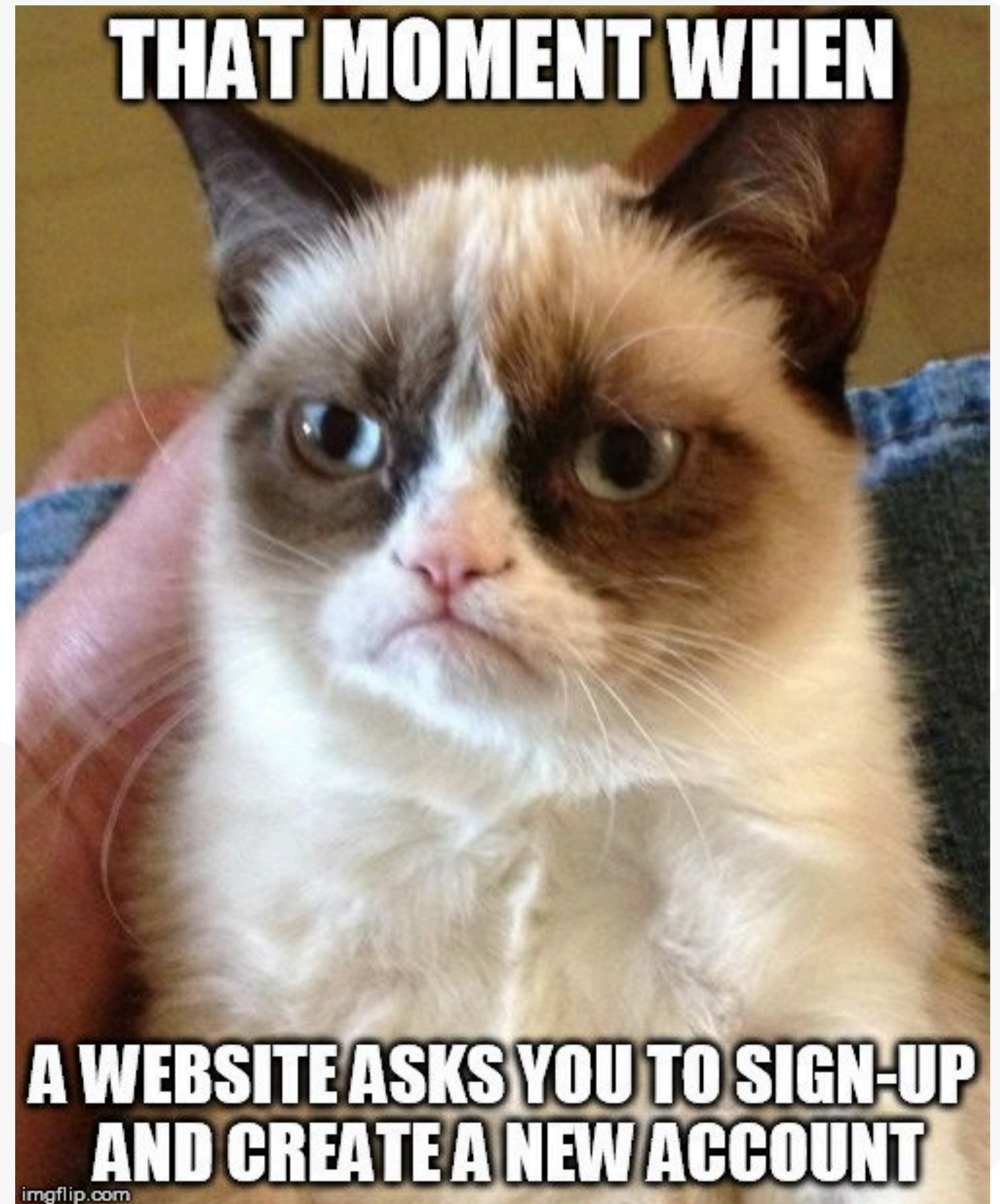
JSON Web Token

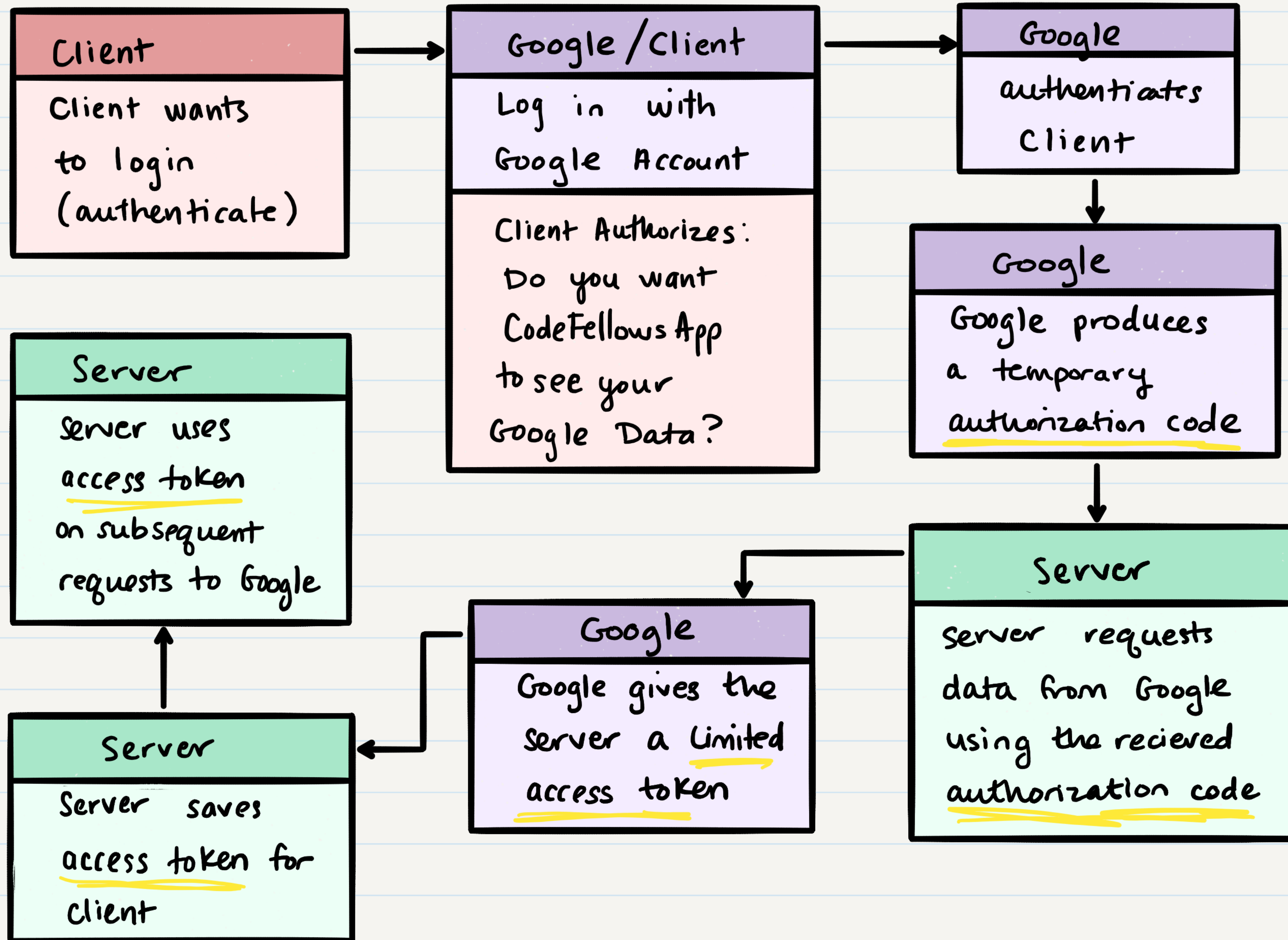
- A very common way to keep a client logged in
- The server generates a unique token
 - This is an encrypted string
 - Only the server has the encryption key
 - The data encrypted is typically some unique reference to the current user (user id for example)
- **JSON Web Token** is a package that generates tokens for us



OAuth

- A standard way for two independent applications to share user data
- Involves a series of “**handshakes**”
- Your application directs the user to a third-party sign in
- Your application gets an **authorization code**
- Your application gets an **access token**
- Your application makes an API request with the access token





Lab 12 Overview