

# 401 RAIN / REACT



## CLASS COMPONENTS

ES6

LIFECYCLE

INSTANTIATION of objects

LIVE IN MEMORY

## FUNCTION COMPONENTS

RUN ON DEMAND

## STATE HOOK

- UPDATE FUNCTIONAL COMPS

- `useState()` CAN HAVE STATE

## EFFECT HOOK

- LIFECYCLE

- EVENT LISTENER - WATCHES STATE

## - CONTEXT

- WRAPPER PROVIDES STATE

GLOBALLY

"COUP"

① PROVIDER  
"VALUES"

② CONSUMER  
READ/USE  
VALUES

DSA

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STRUGGLES  
TO  
IMPLEMENT

DEEP?

WIDE?

IF NOT LOGGED IN

USERNAME

PASSWORD



IF LOGGED IN

LOGOUT, JOHN ↗

STATE

isLoggedIN

User

BEHAVIORS

Logon()

Logout()

API

## REQ'S

✓ ① API THAT CAN LOG US IN  
CODE REVIEW / MEMORY LAKE

② AXIOS

③  $\langle IF \rangle$  - CONDITIONAL RENDERING

④ CONTEXT - APP KNOWS  $\angle/I$   
STATE

# AUTH SERVICE

① POST : /SIGNUP w/ {UN, PW, EM, NAME}

↳ INSERT USER IN DB

↳ SET COOKIE

↳ SEND AUTH HEADER

} JWT TOKEN

② POST : /SIGNIN

"USERNAME: PASSWORD"

↳ SET COOKIE

↳ SEND AUTH HEADER

} JWT TOKEN