



CMPSC 302

WEB DEVELOPMENT



Let's have a

1337haxx0



iluv4tz



lolwut75



sportsportsportssp





# From the front to back

## SERVER (BACK-END)

SOMEONE ELSE'S MACHINE



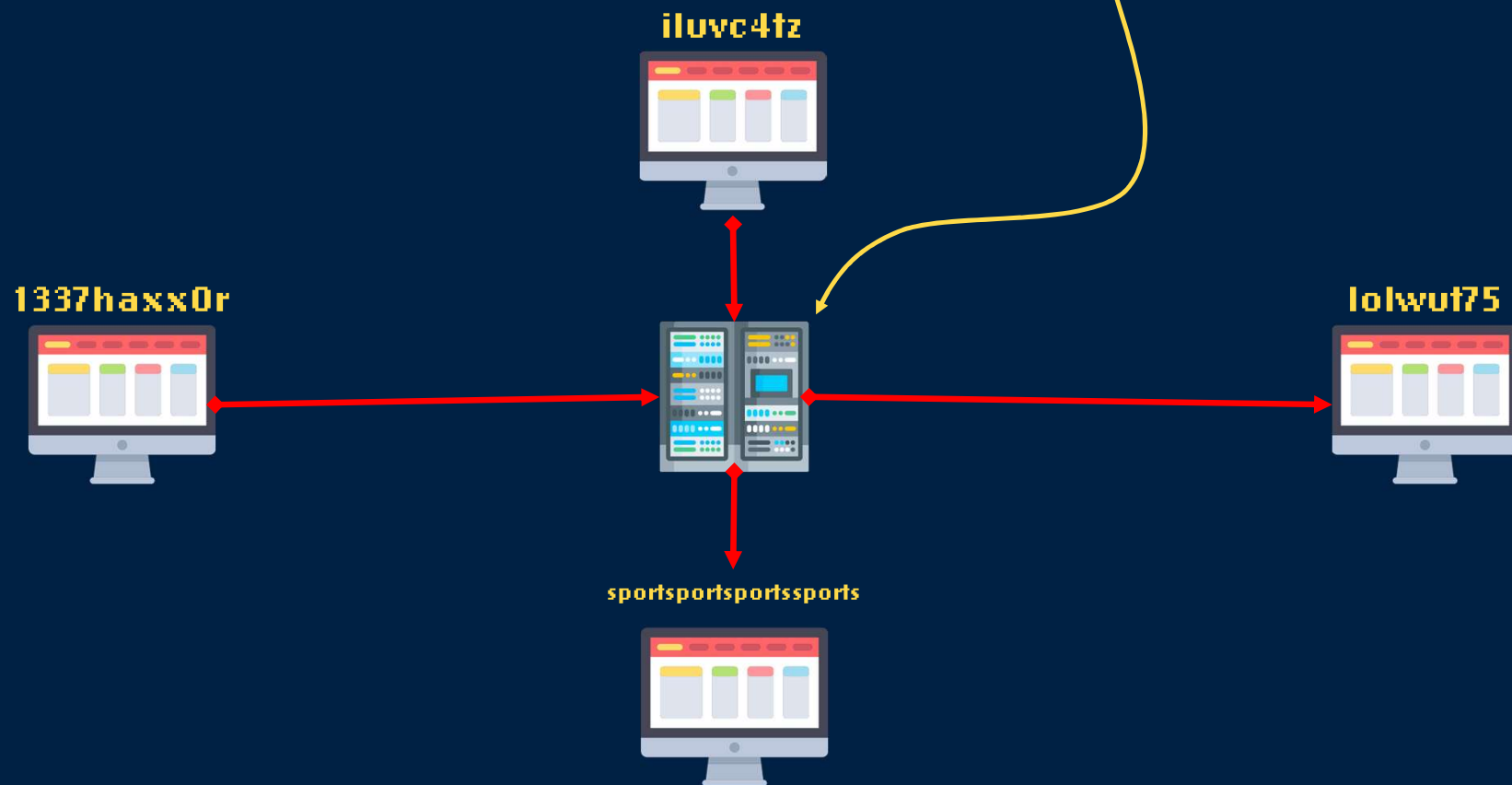
## CLIENT (FRONT-END)

YOUR PC





# Back to our chat





# From the front to back

## SERVER (BACK-END)

### Server-side languages:

- Python
- PHP
- nodejs

## CLIENT (FRONT-END)

### \* Client-side-languages

- \* CSS
- \* HTML
- \* Javascript





# Introducing...THE CLOUD



**SERVER**  
(BACK-END)

SOMEONE ELSE'S MACHINE



(PRETTY MUCH)



It came from the...STACK



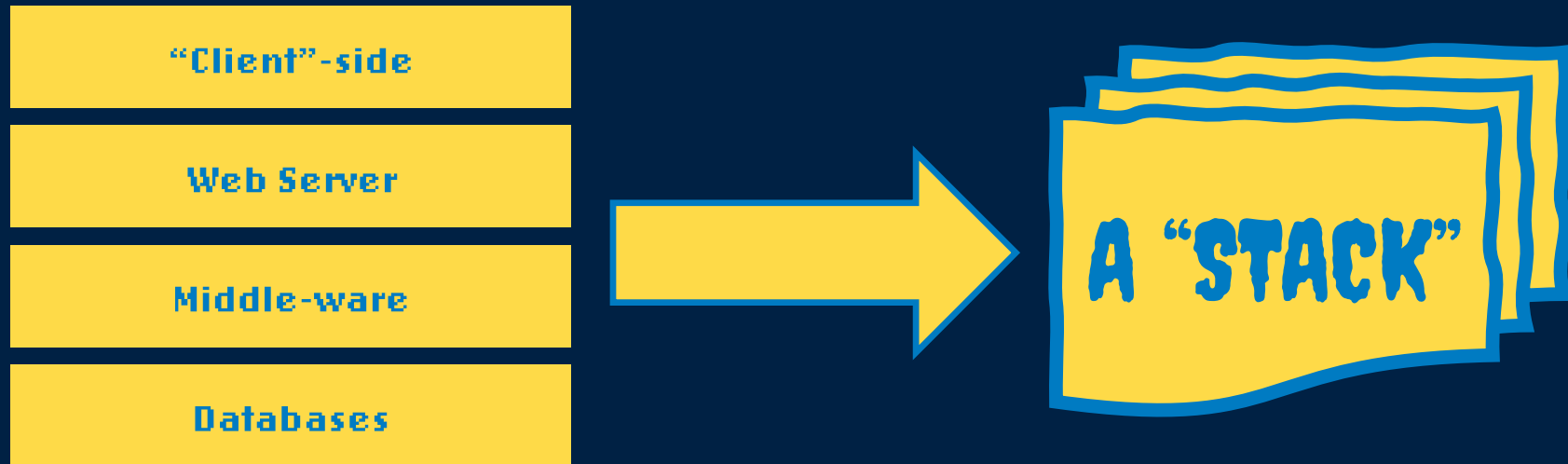
PAGE SERVER

DAEMONS

Really just another word for long-running  
Processes that no one really sees



# It still came from the...STACK







Heroku



heroku

For this project: a service  
that allows us to have a  
“back-end” process  
always listening



# Oh, about that chat



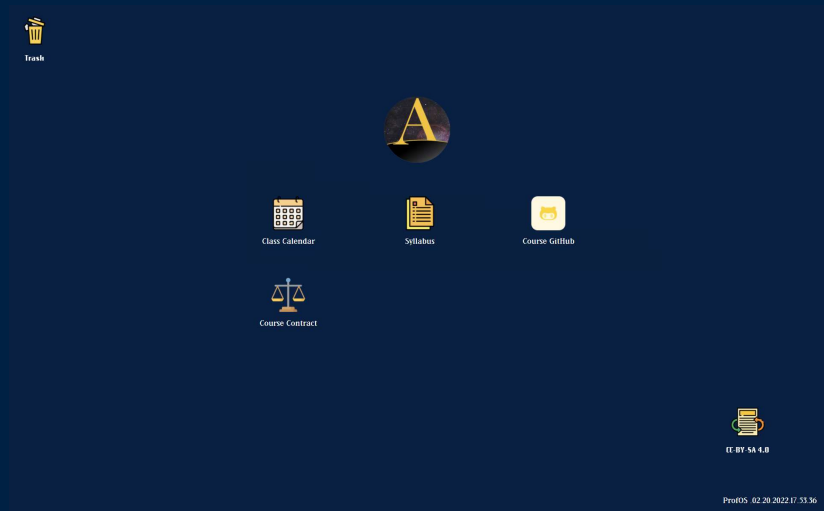


# Previously...

YOUR PC



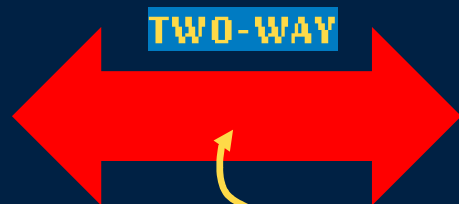
ONE-WAY





# It's a two-way street

CatChat v 0.4.0 2022-08-25



TWO-WAY

WebSocket

