## Front end vs back end

Wednesday, January 17, 2024

Front end

user's components directly turnigh their browser

JI, HTMC, CSS

Work W/ any screensize, browser, OS

other tasks:

- Visual roncept web design

- UI design

- UX design

Back end

doives all core web app functionalities

for main components

- typically

- Back end servers = typically linux or windows or in containers
- Wes servers = handre HTTP
  requests

Apache, NGINX, IIS

- Data Eases = stre and retrieve web app data relational/ non-relational
- Development frameworks = develop the core app
  - . Laravel PHP
  - . ASP. NET LA
  - Spring Java
  - . Ojanga pytuna

Express 55

Express 55

Backned server

web DB

possible to wost each component of backend on its own server or in containers w/ something like docker

ex: web app and DB in their

could also each have own server

## but more expansive

main jobs of back end components

- · develop main logic and services
- · main code and functionalities
- · backerd db
- · libraries for Crontend to use
- · technical/business needs
- nein APIS
- · intégrate remote servers aud closed services

Securing front/back end

can ux techniques like soli, to exploit hidden backerel

Sometimes whis like local file inclusion

Sometimes whis like reveal backend coole

## OWASP top 10:

- · Broken access control
- · cryptographic failures
- · injection
- insecure disign
- . security misconfiguration
- · unherable and oxtdated components
- · identification and authoritication
  failures
  - . software and data integrity failures
  - security logging and monitoring

failures server-side regarst forgery SSPF