CMPSC 302
WEB DEVELOPMENT

Map show and tell

Put your maps face-up on your table; take about 5-10 minutes for a brief tour around the room.

MAKE SURE YOUR NAME IS ON THE FRONT OR BACK OF YOUR MAP!

Activity: Finding the Right Route

- Each of you has been assigned an “address”
  - Compare with your neighbor; how is it different?
  - Compare with your table; are there similar addresses?
  - Can you discern the pattern?
- I have assigned each table a specific “domain”
  - The mapping is on the next slide
- Your job: move to the correct table identified by your pattern

Mapping

192.168.1.x	192.168.3.x	192.168.5.x
192.168.6.x	192.168.4.x	192.168.2.x

FRONT OF ROOM

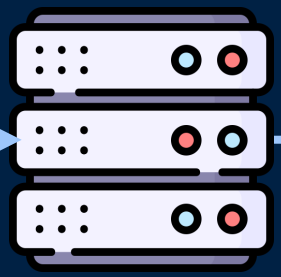
Survey Your Domain

- Now that you've found your folks:
  - Introduce yourself
- As a team:
  - Name your domain
- When you've named your domain:
  - You must ask me if the name's available
  - (I have the right to say "no.")

Domain Name Service (DNS)

INTERNET SERVICE PROVIDER (ISP)

DNS SERVERS



SITE

IT ME

Your PC

LET'S ASK
A REGISTRY

WHERE IS
CMPSC302.CHOMPE.RS?

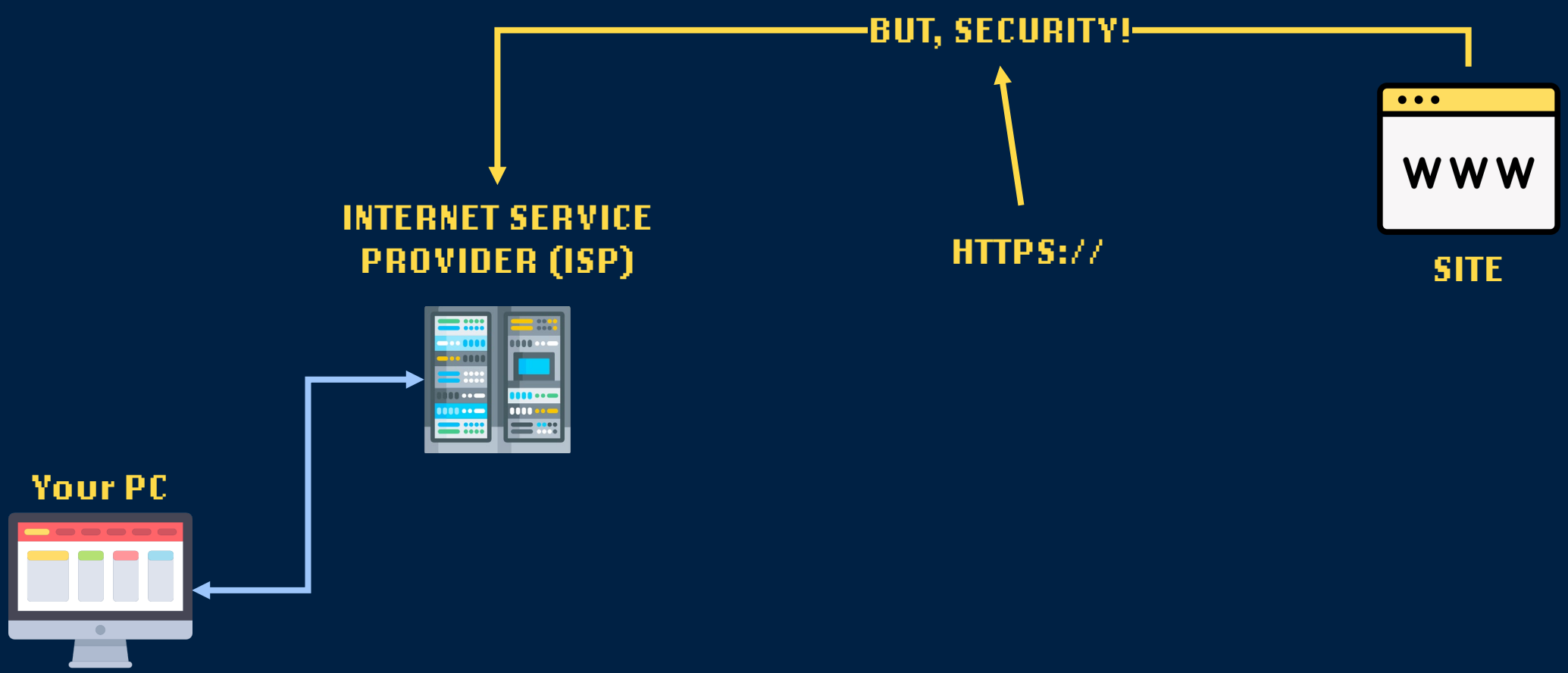
YEP, I KNOW THAT ONE;
IT'S AT 2606:50c0:8001::153

IPV6 ADDRESS

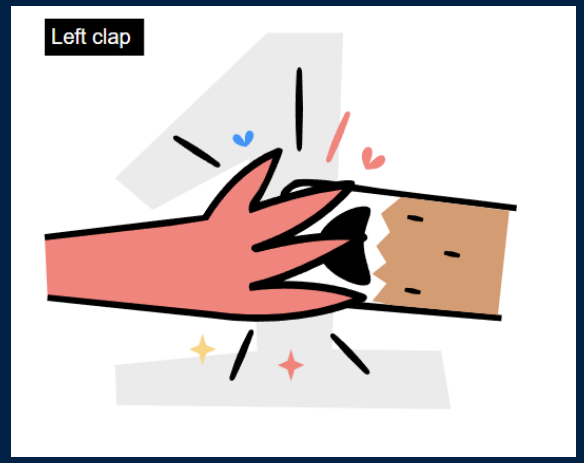
NOT HTTP

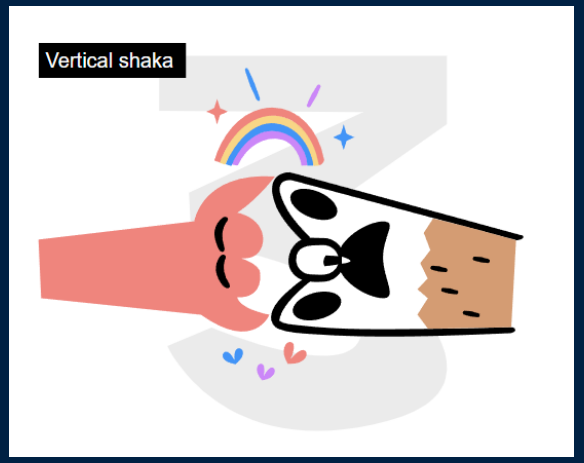
HTTP

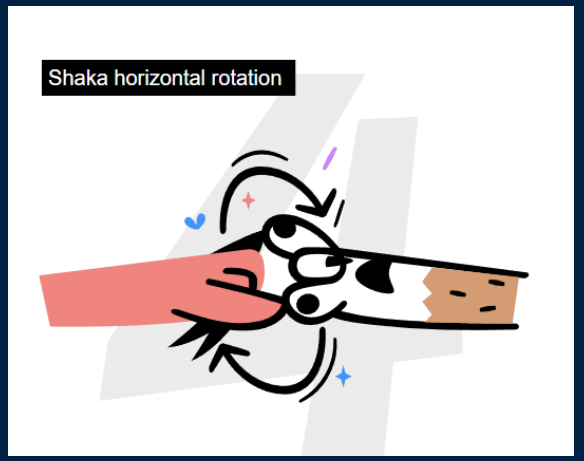
It's all Greek to me



The Not-So-Secret SSL Handshake

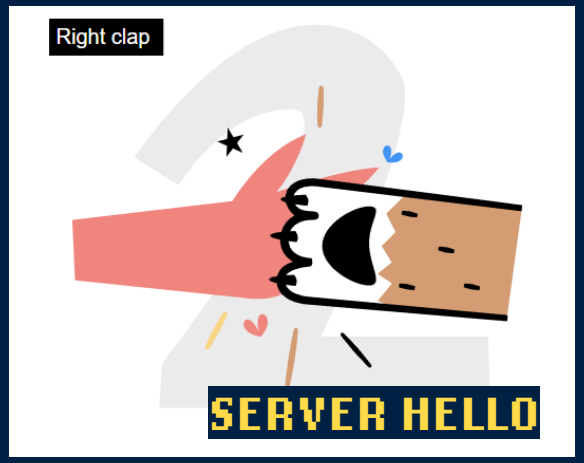


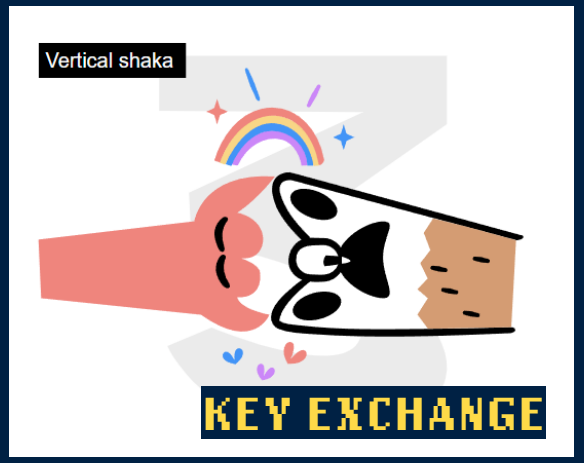


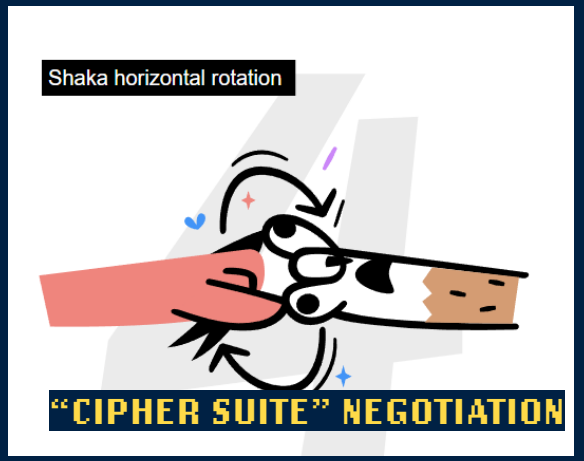


DRAWN BY FOLKS AT https://howhttps.works/the-handshake/

The Not-So-Secret SSL Handshake





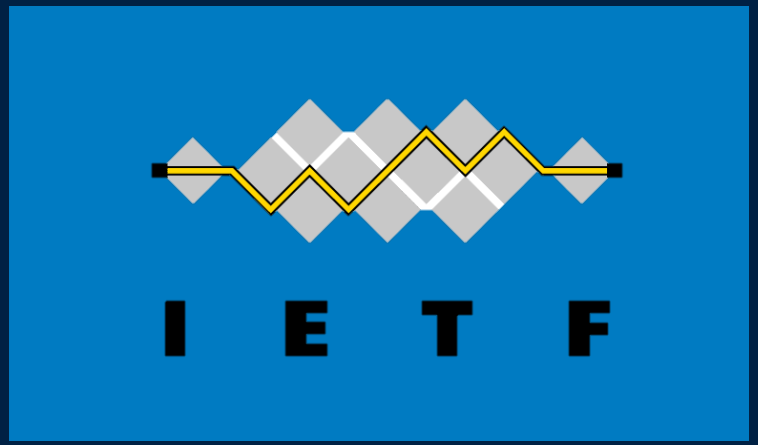


DRAWN BY FOLKS AT https://howhttps.works/the-handshake/

Go meet some other domains!

- Introduce yourself with the handshake
- You must handshake at least 1 other person

3 “Guardians” of the internet



Protocols (Networking)

Domains

Standards (HTML, et al.)

Mapping

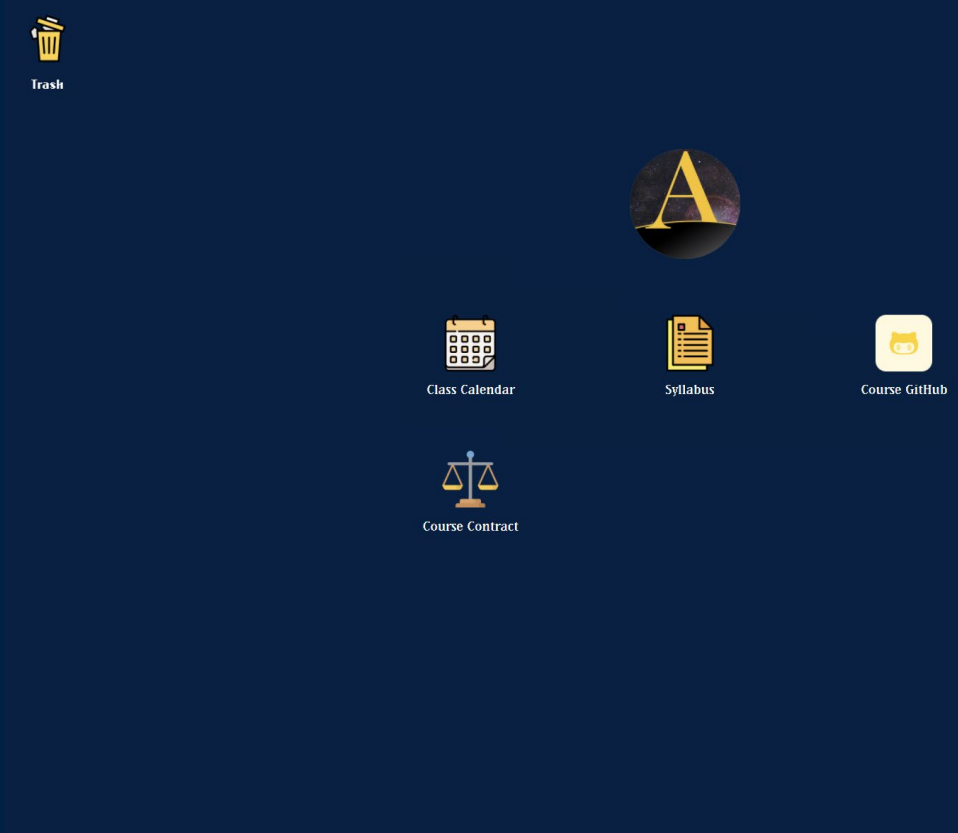
Undeveloped wbbers	idk	netflix.chill
java6	portburnerslee	flightlessbirds

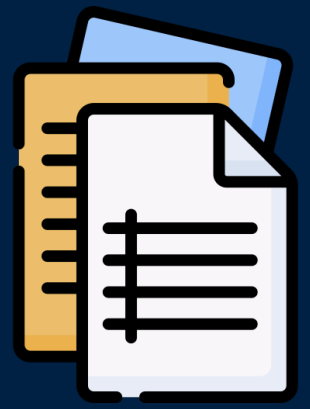
FRONT OF ROOM

Successful SSL/HTTPS

https://cmpsc302.chompe.rs

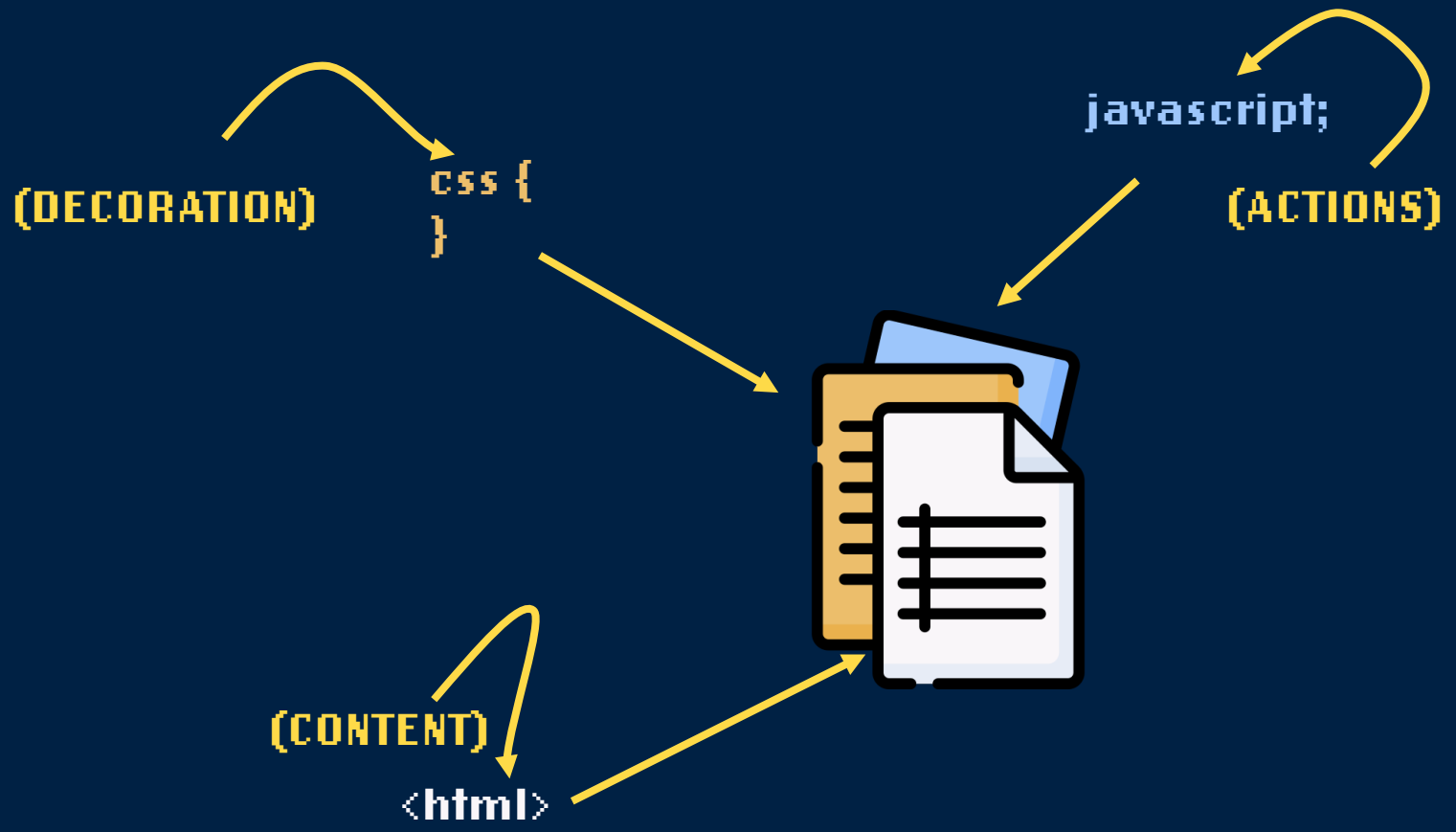
So, we go through all that for what?





Really, just some documents

...a bunch of documents



Coming together

HTML

INFORMATION ON THE PAGE (WHAT ITEMS? TEXT?)

CSS

HOW DOES THIS GRID LOOK? WHAT TYPEFACES? WHAT COLORS?

ProfOS .02.20.2022.17.53.36

JAVASCRIPT

I CAN DRAG THIS! THERE ARE POP-OVER WINDOWS!