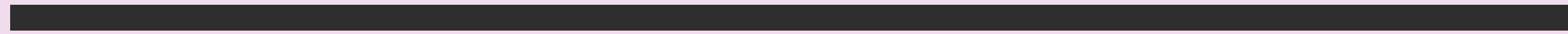


What is the Internet?
The Internet vs. The Web
How Does the Web Work?
What are HTTP requests?
What Is A Web Server?
Front End Vs. Backend
Environment Setup!
What are HTML, CSS, & JS?
What do they each do?

Unit Goals

Things We'll Cover



THE INTERNET

In a Couple of Minutes



WHAT IS IT?

"A global network
of networks."

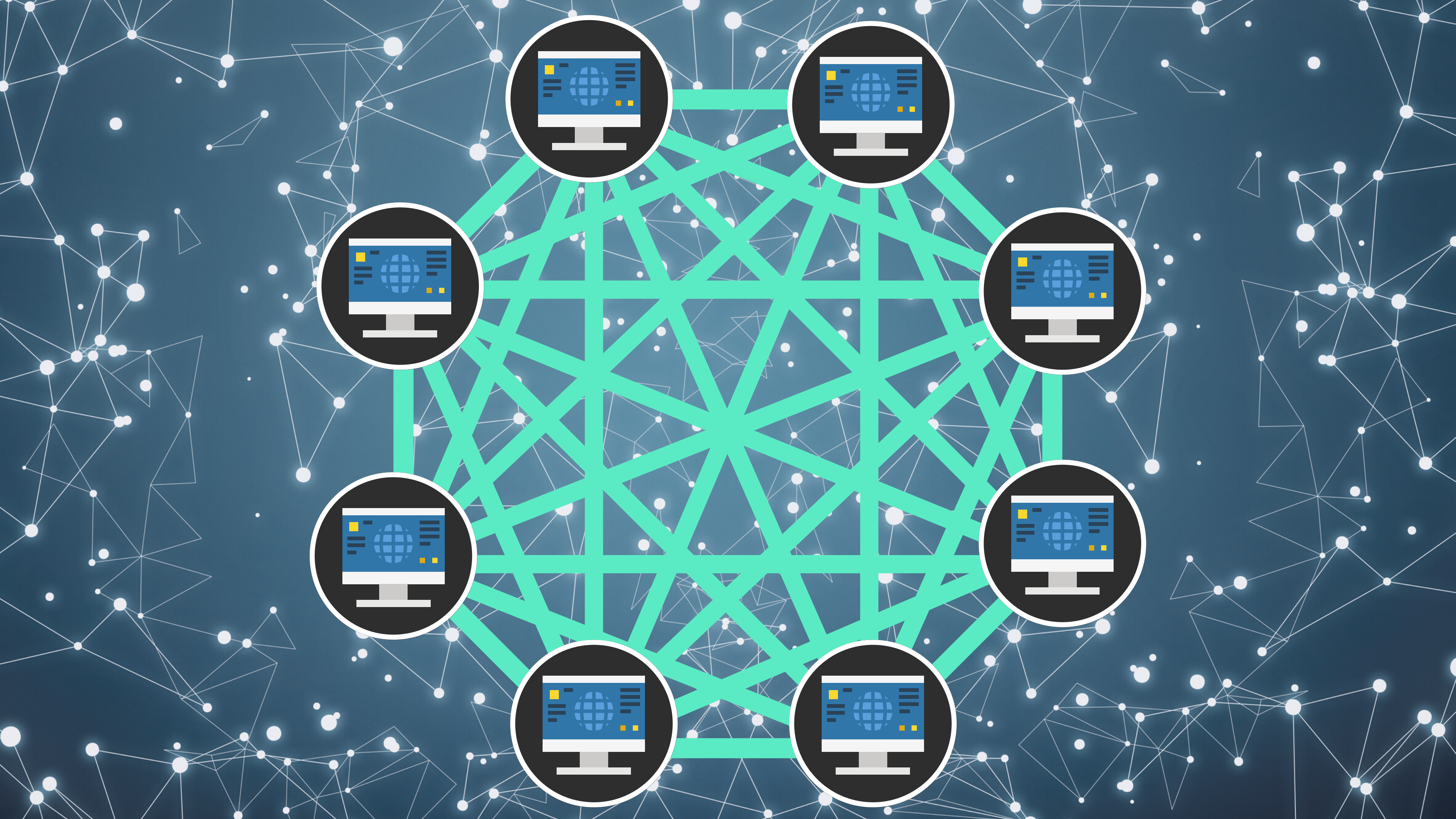
(It's just a bunch of connected computers)



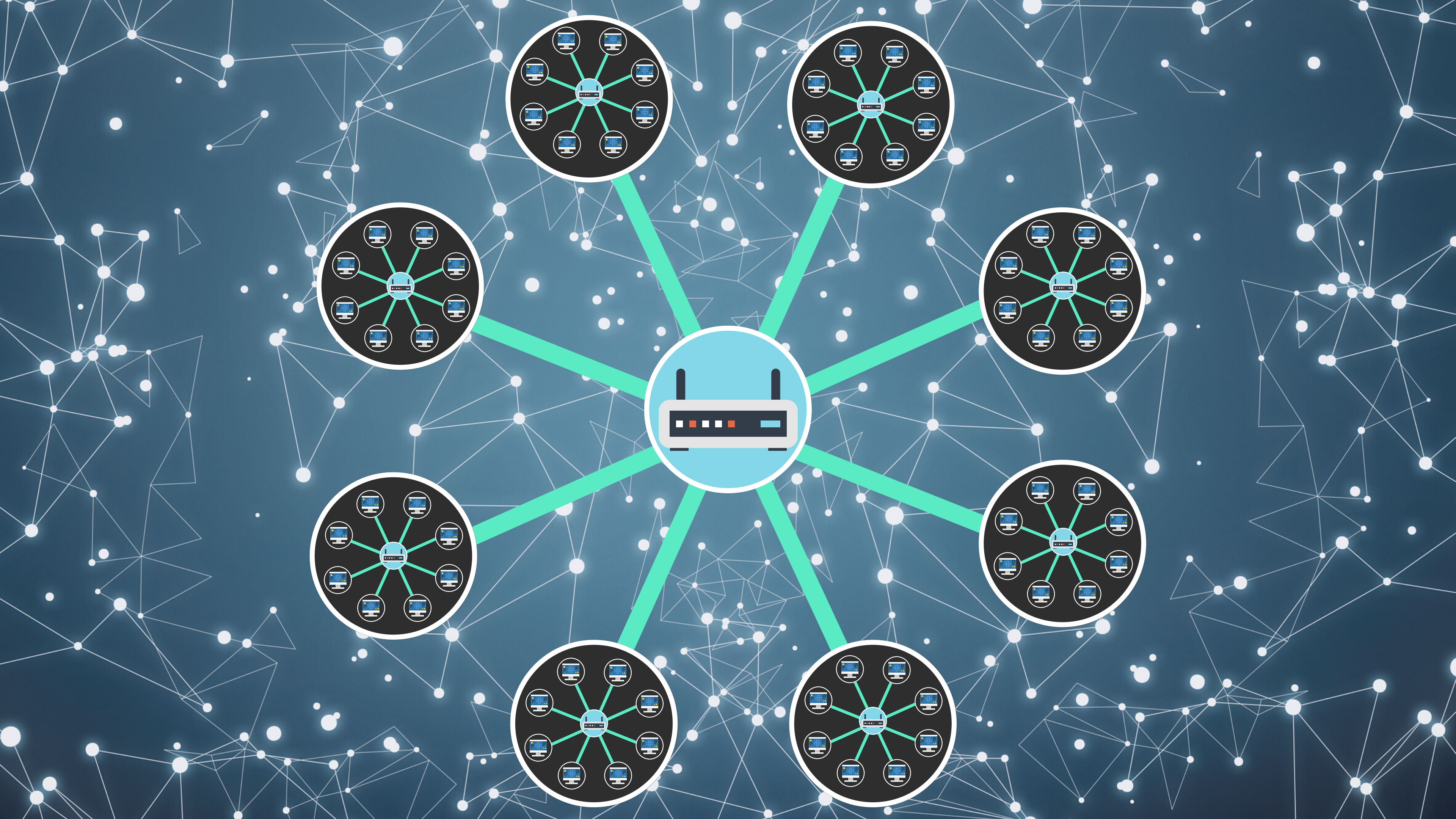


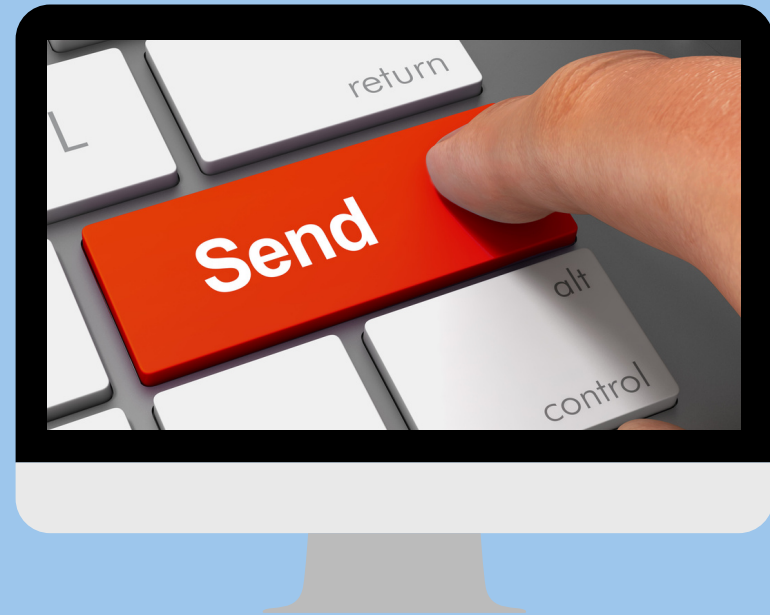
Hey



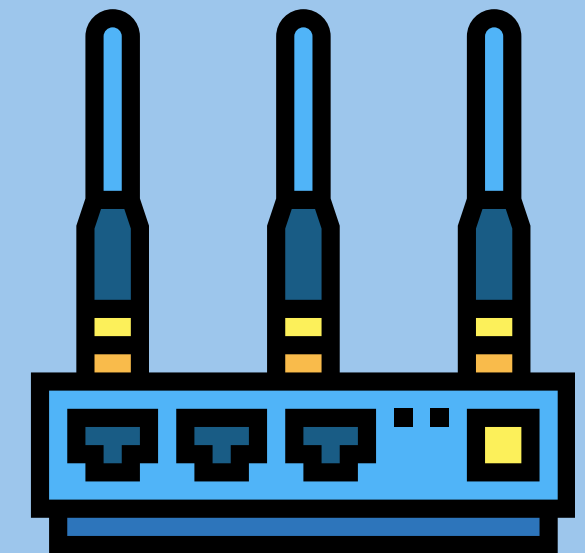




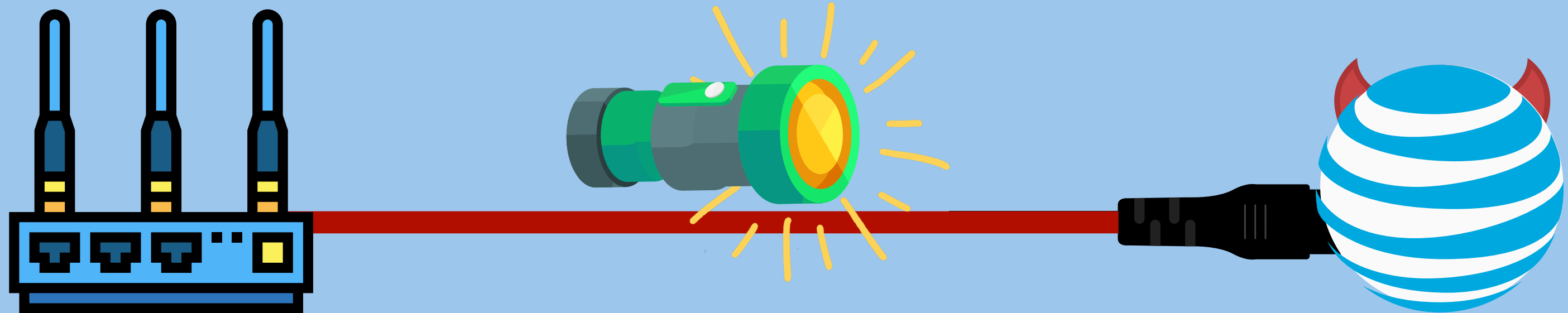




1101010101011010100
0111010101010101111



1101010101011010100
0111010101010101111





THE INTERNET IS THE INFRASTRUCTURE
THAT CARRIES THINGS LIKE:

- EMAIL
- THE WEB
- FILE SHARING
- ONLINE GAMING
- STREAMING SERVICES



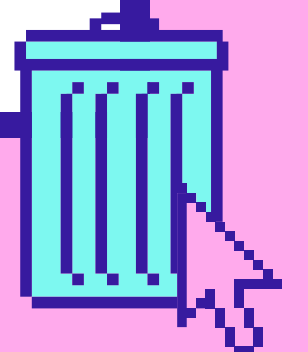
THE INTERNET

Global network of
interconnected computers
that communicate via
TCP/IP (don't worry about
that for now).
Network of networks.

THE WEB

The World Wide Web is an
information system where
documents and others
resources are available
over the Internet.

Documents are transferred
via **HTTP**.



HTTP REQUESTS



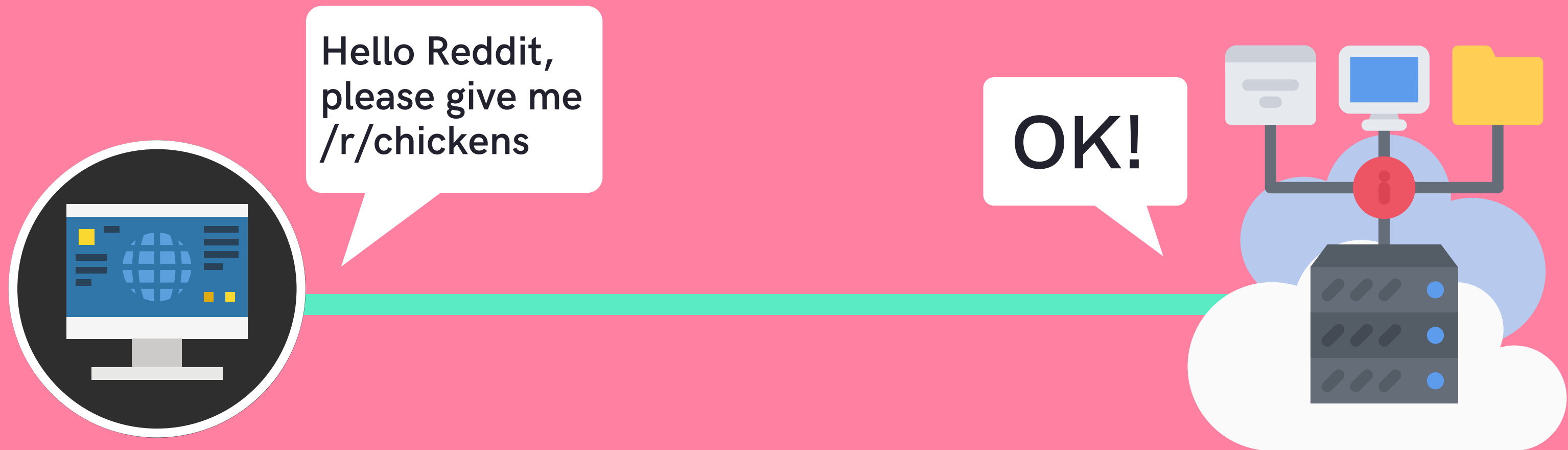
- Foundation of communication on the World Wide Web
- "Hyper Text Transfer Protocol"
- Request -> *I would like this information please*
- Response -> *Ok, here you go!*



WEB SERVER

A computer* that can satisfy requests on the Web.

* "server" is also used to refer to the software running on the computer



WEB SERVER

A computer* that can satisfy requests on the Web.

* "server" is also used to refer to the software running on the computer



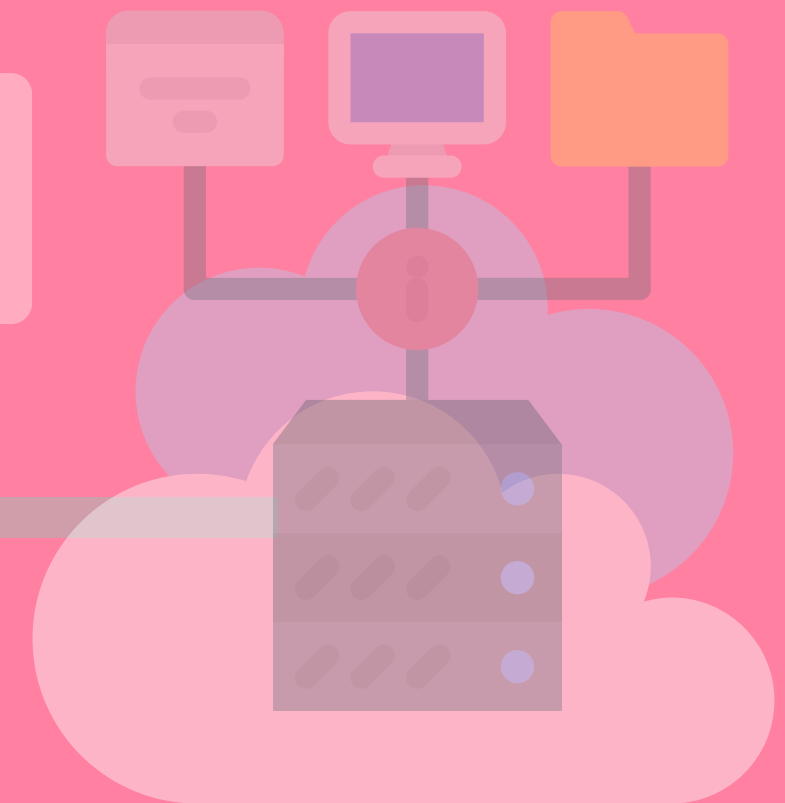
CLIENT

The computer that accesses a server

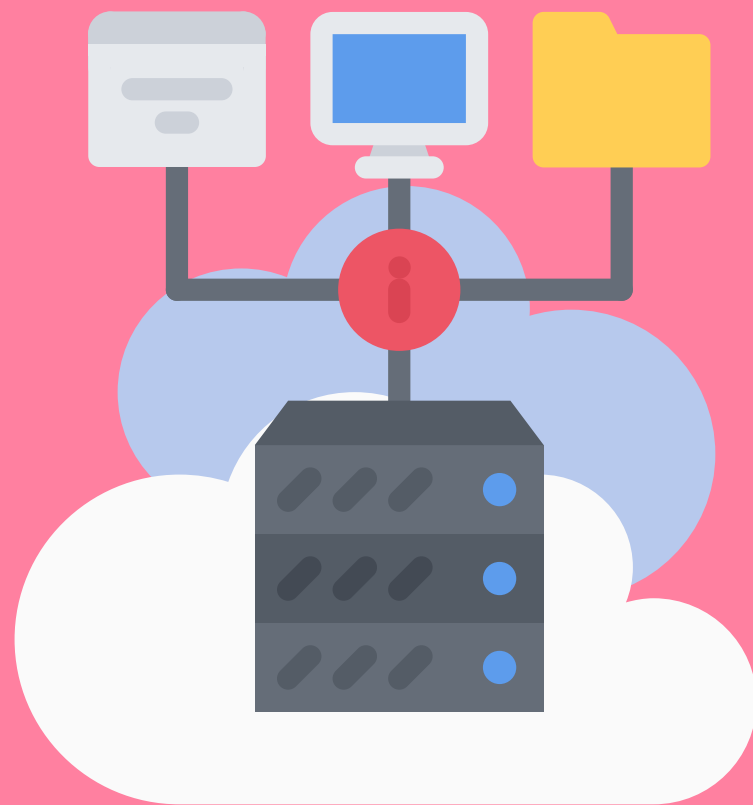


Hello Reddit,
please give me
/r/chickens

OK!



A SERVER SOMEWHERE



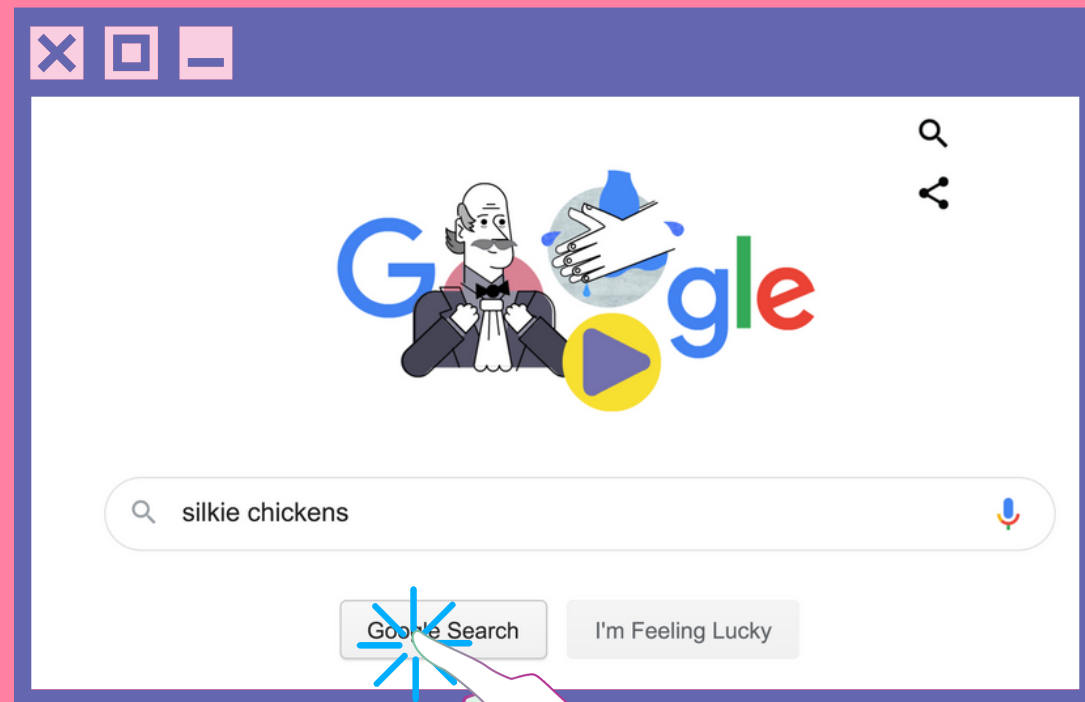
Here are the instructions!



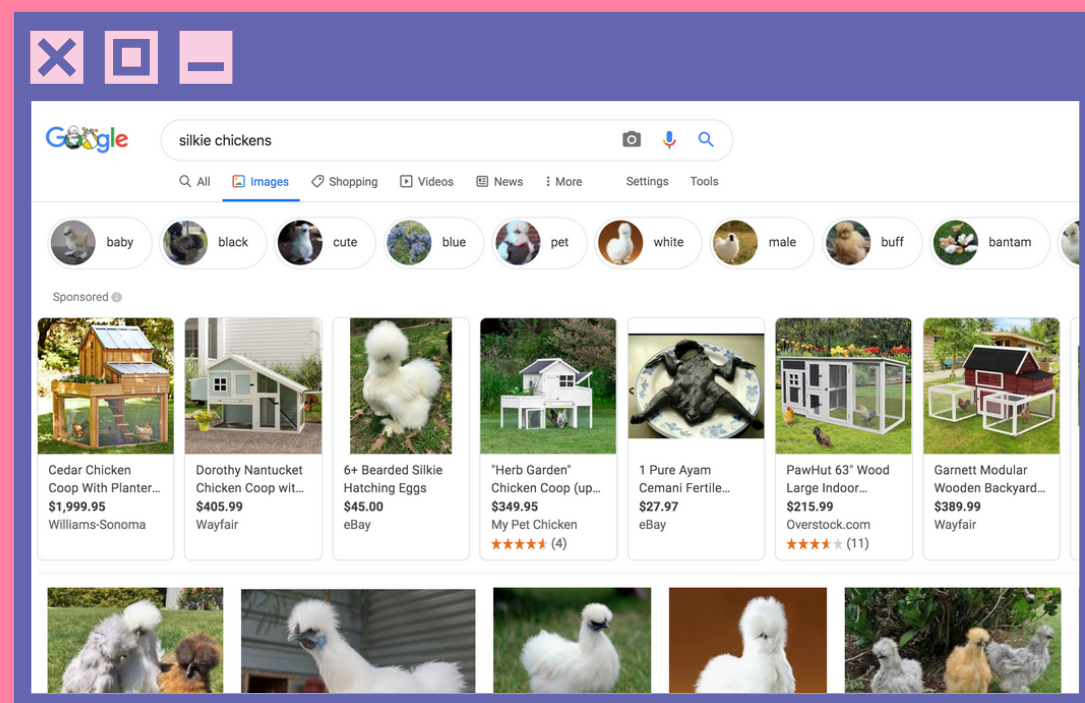
YOUR BROWSER

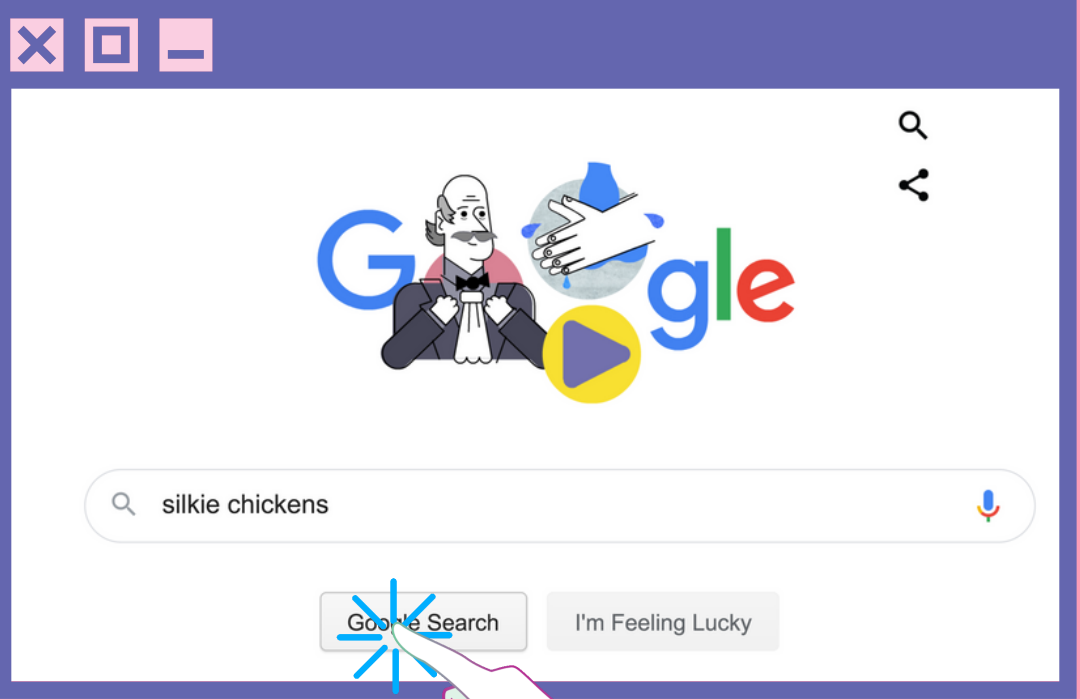


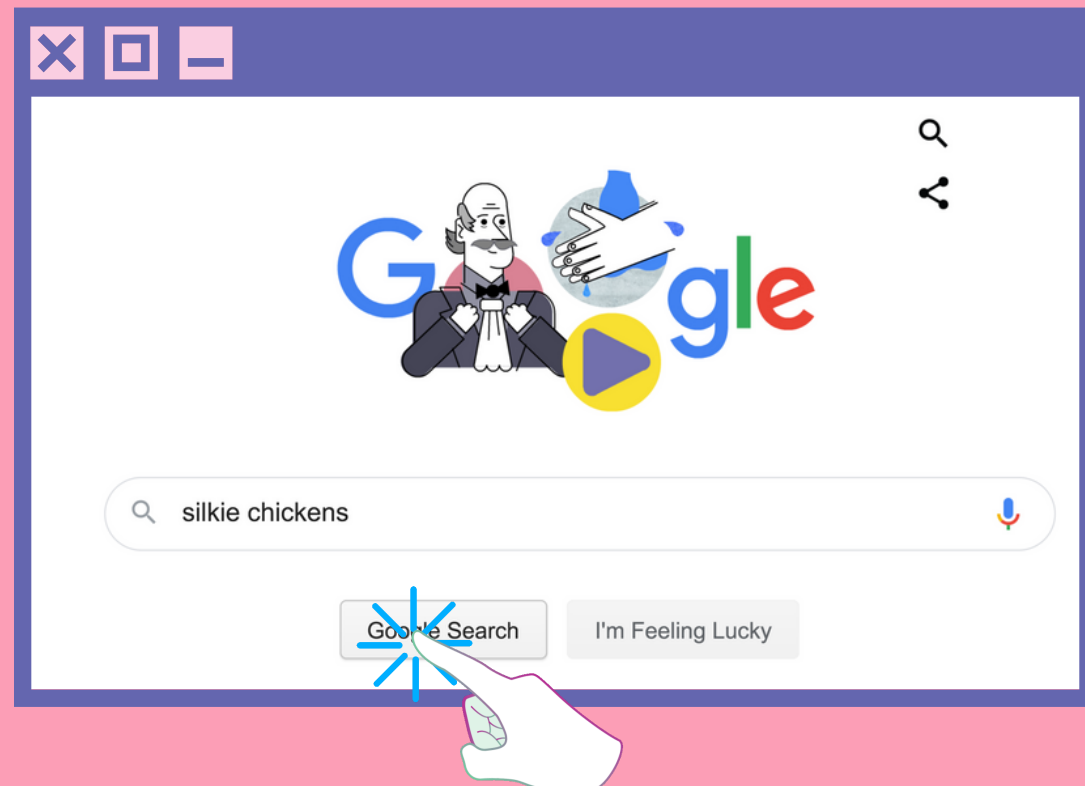
Look What I Made!



PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS

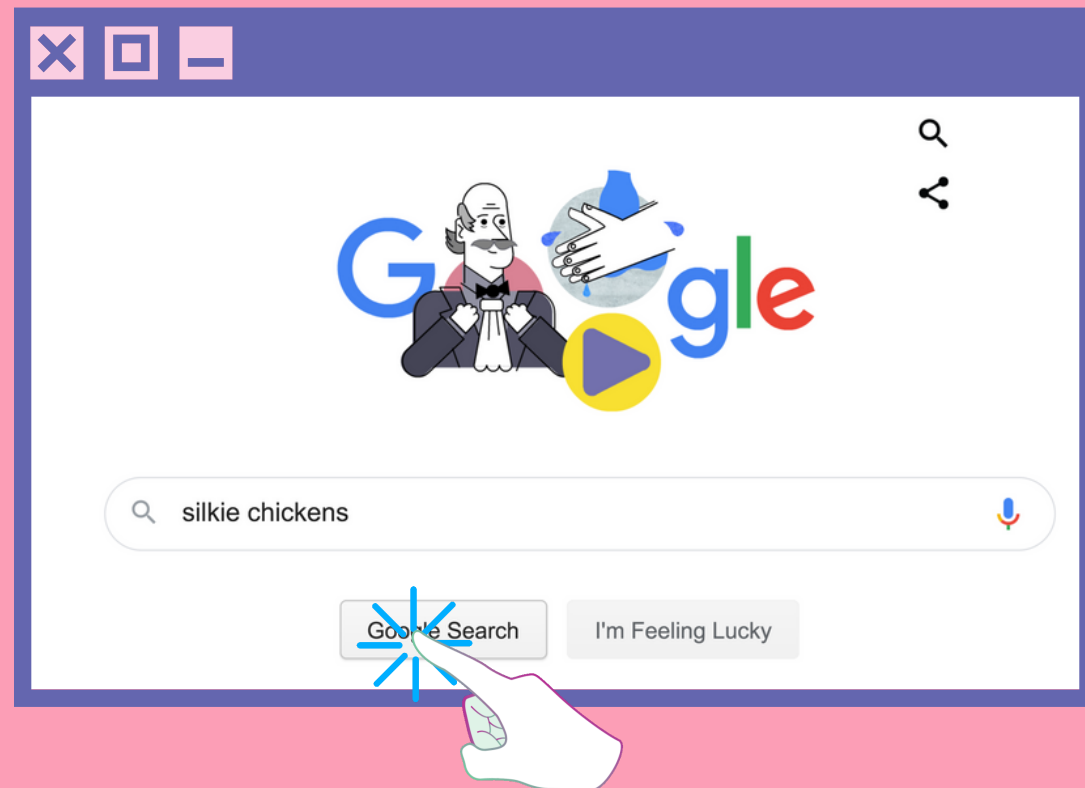






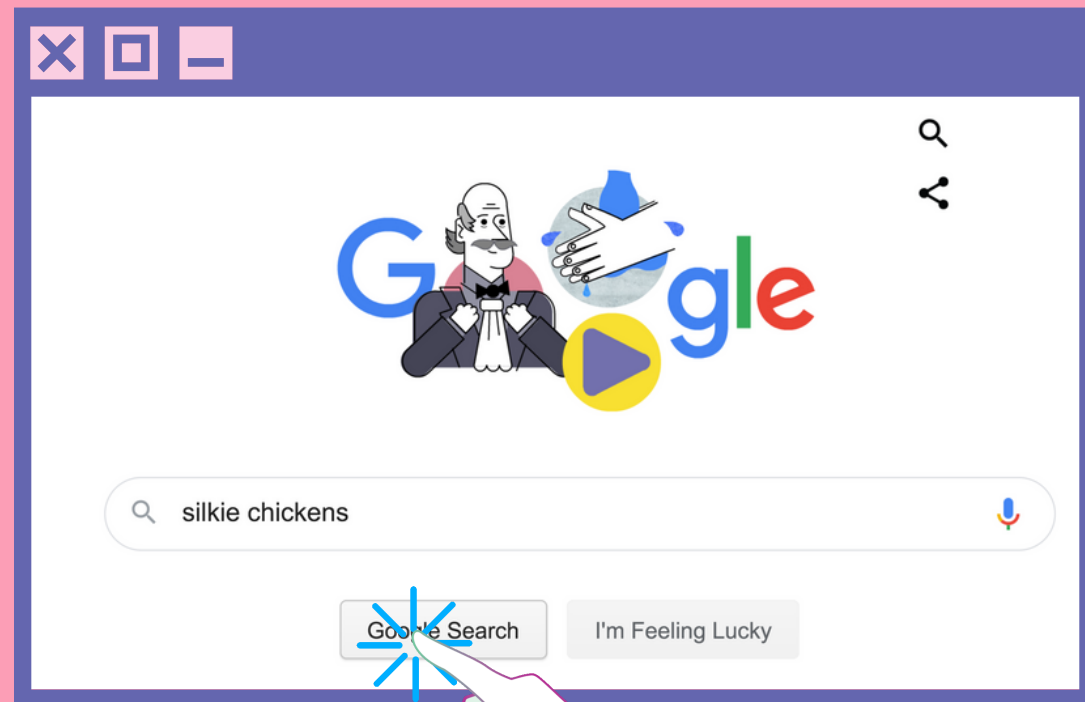
PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS



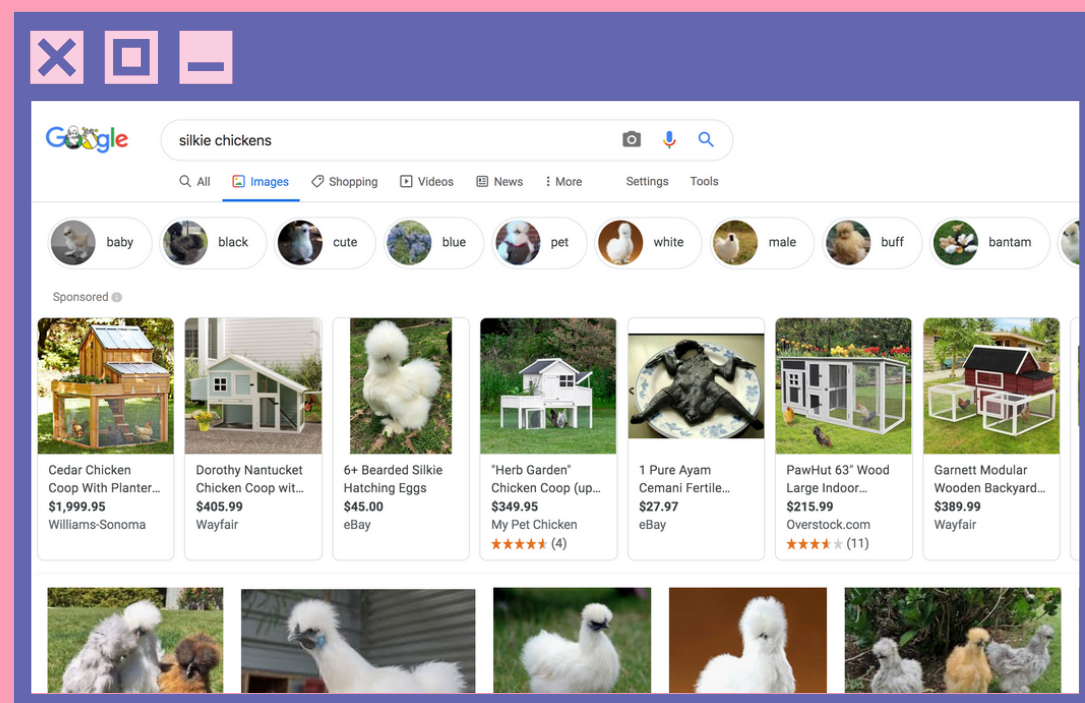
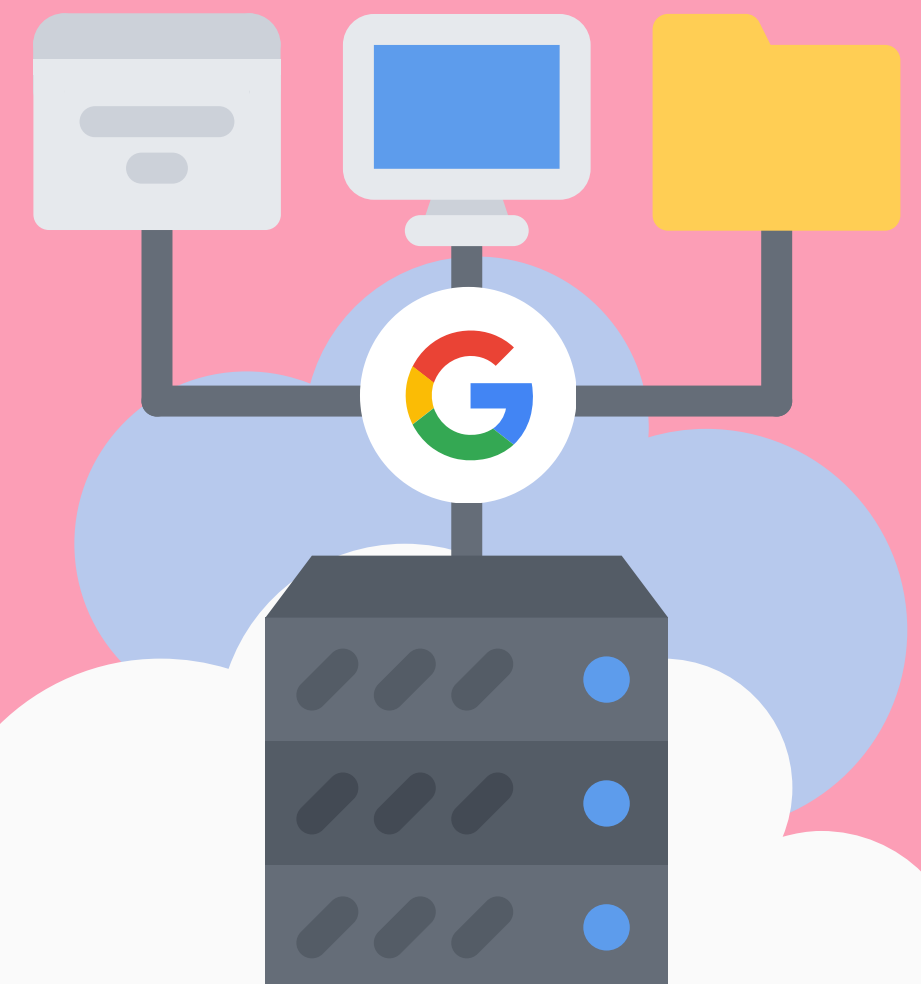


PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS

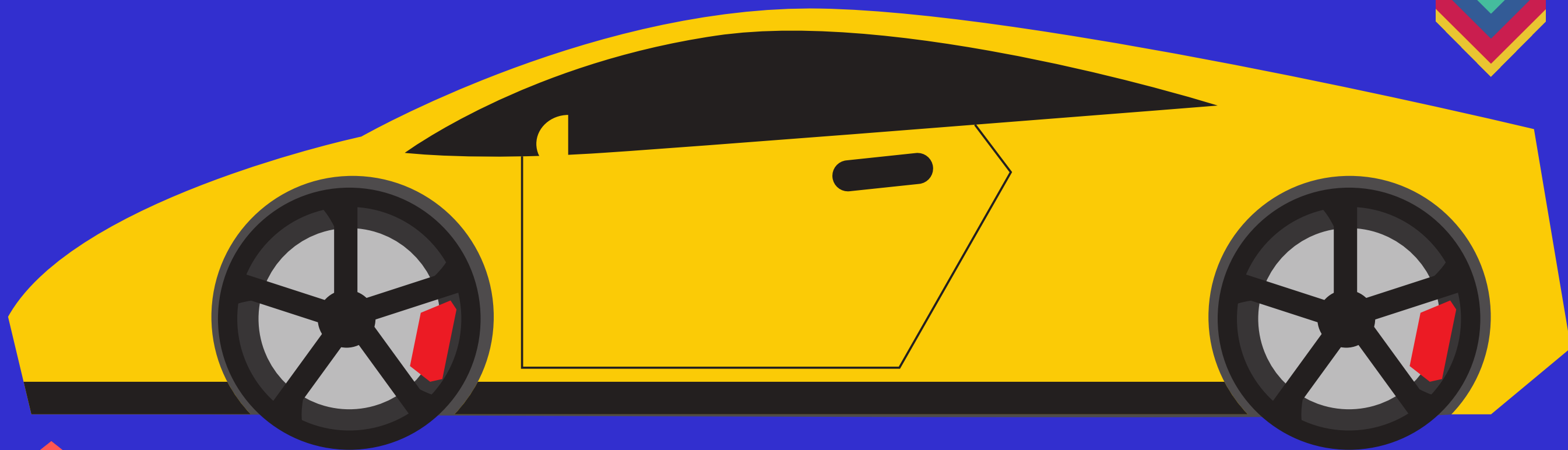




PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS



BACK END



FRONT END



BACK END



FRONT END

BACK END

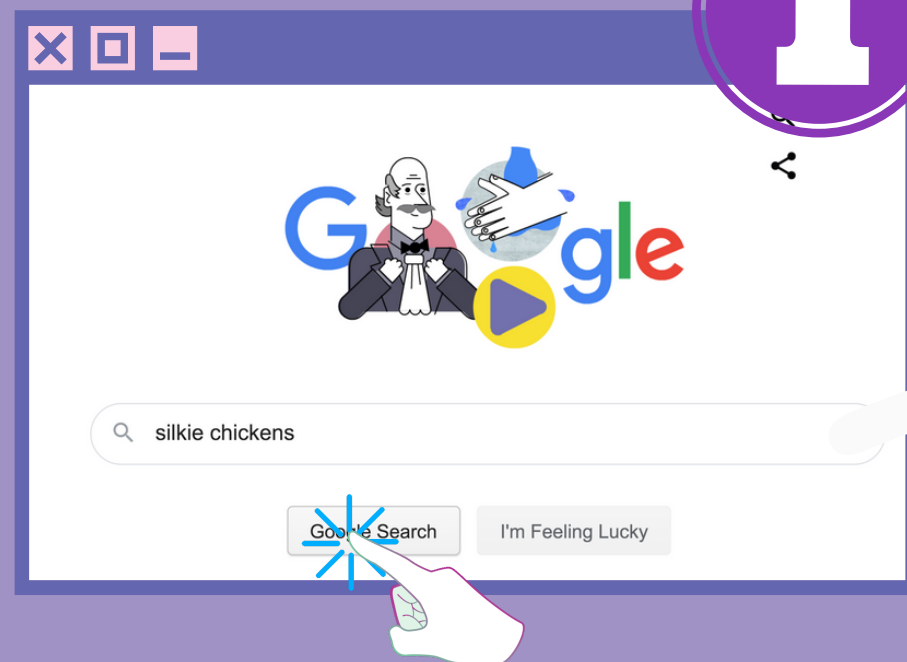


RECEIVES THE ORDER AND
ASSEMBLES THE PIZZA

FRONT END

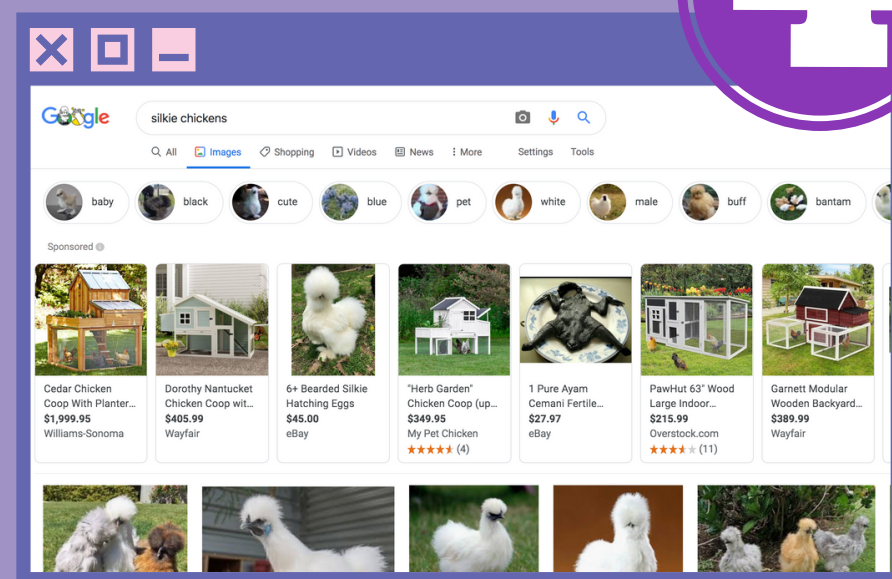


YOU STILL NEED TO BAKE IT
AT HOME! (THE BROWSER)



1

PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS



4

FRONT END



2

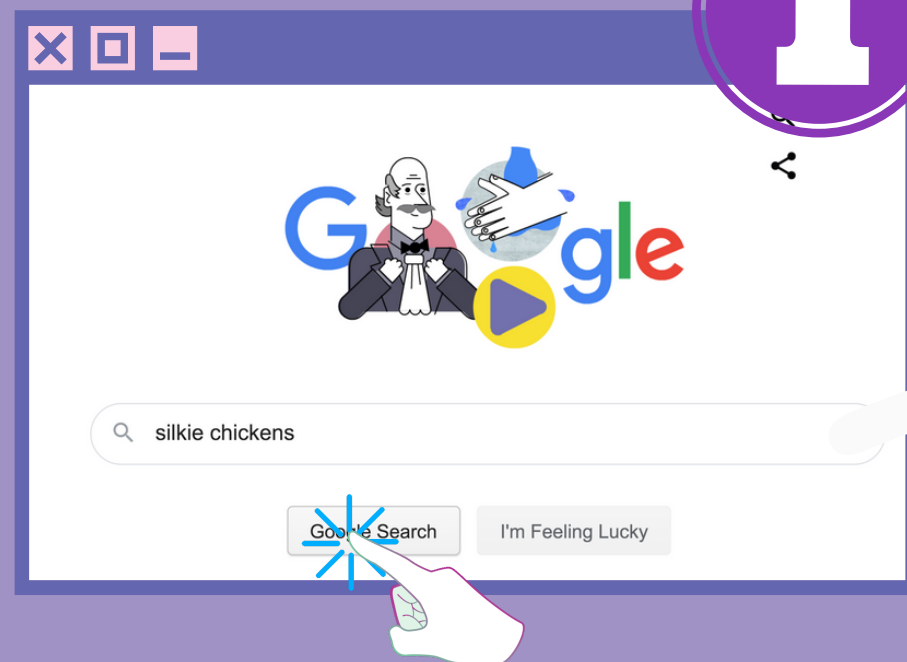
HANG ON,



3

HERE YOU GO!

BACK END



PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS

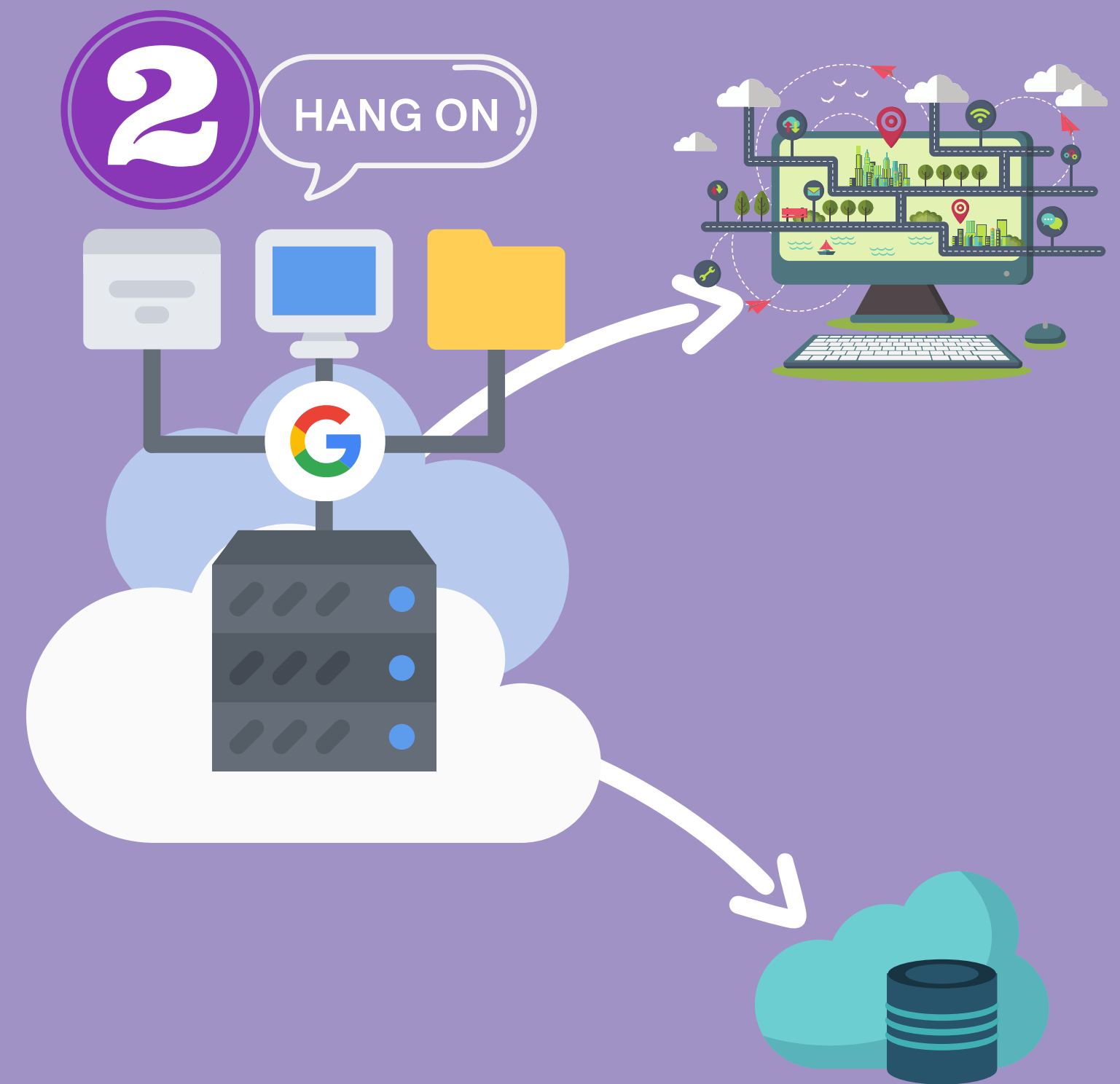


FRONT END

BACK END



FRONT END



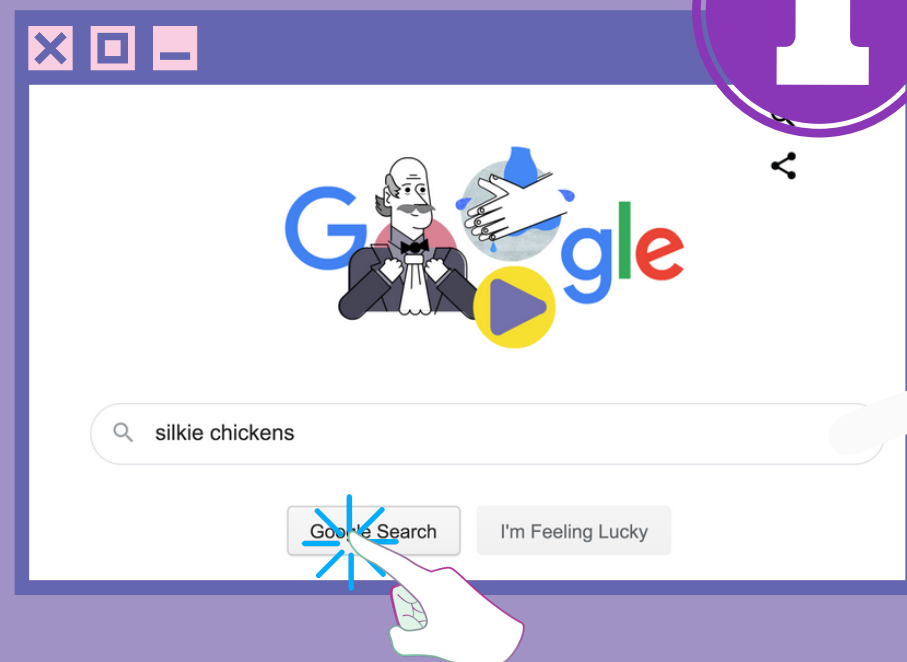
BACK END



FRONT END

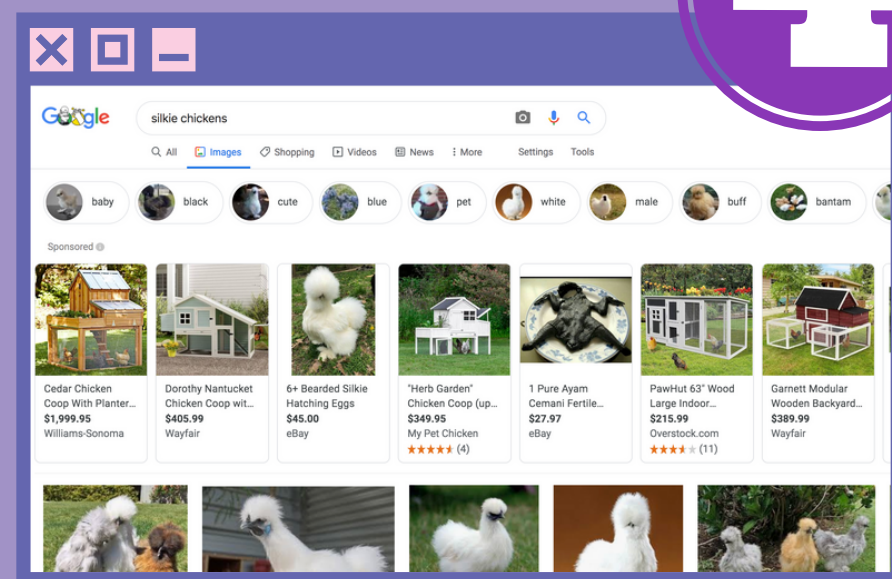


BACK END



1

PLEASE GIVE ME
GOOGLE.COM/SEARCH?Q=CHICKENS



4

FRONT END

2

HANG ON,



3

HERE YOU GO!



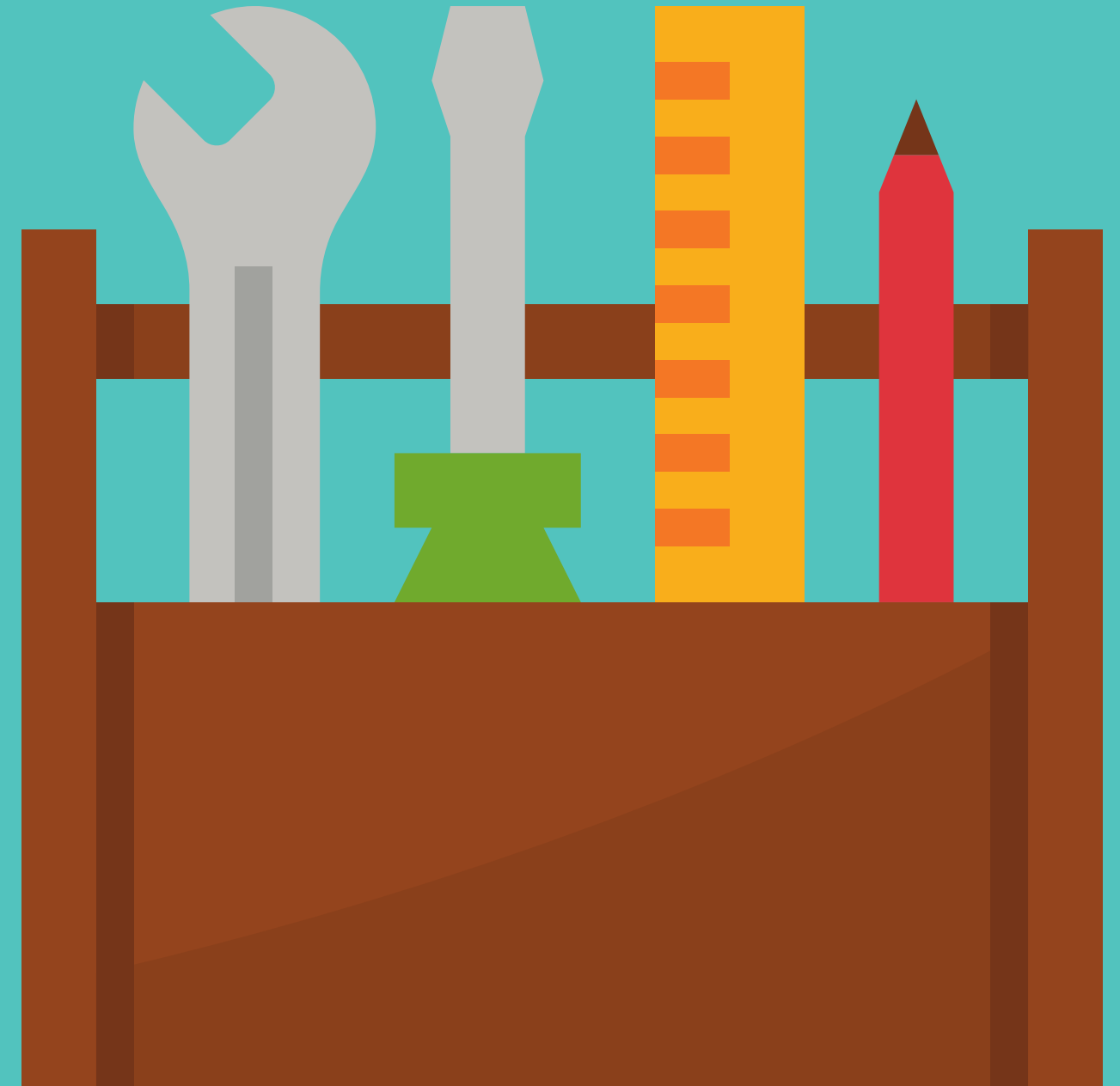
BACK END



THE
PURPLE CSS – adjectives
DINO HTML – nouns
DANCED JS – verbs



THE TOOLS WE NEED



CHROME

Web Browser



VSCODE

Text Editor



SPECTACLE

