



BEGINNER'S GUIDE  
TO

# WEB DEVELOPMENT

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Software Engineer, Growthzilla

# Presentation Outline

Introduction  
to WWW

Into Web  
Development

Beyond Web  
Development

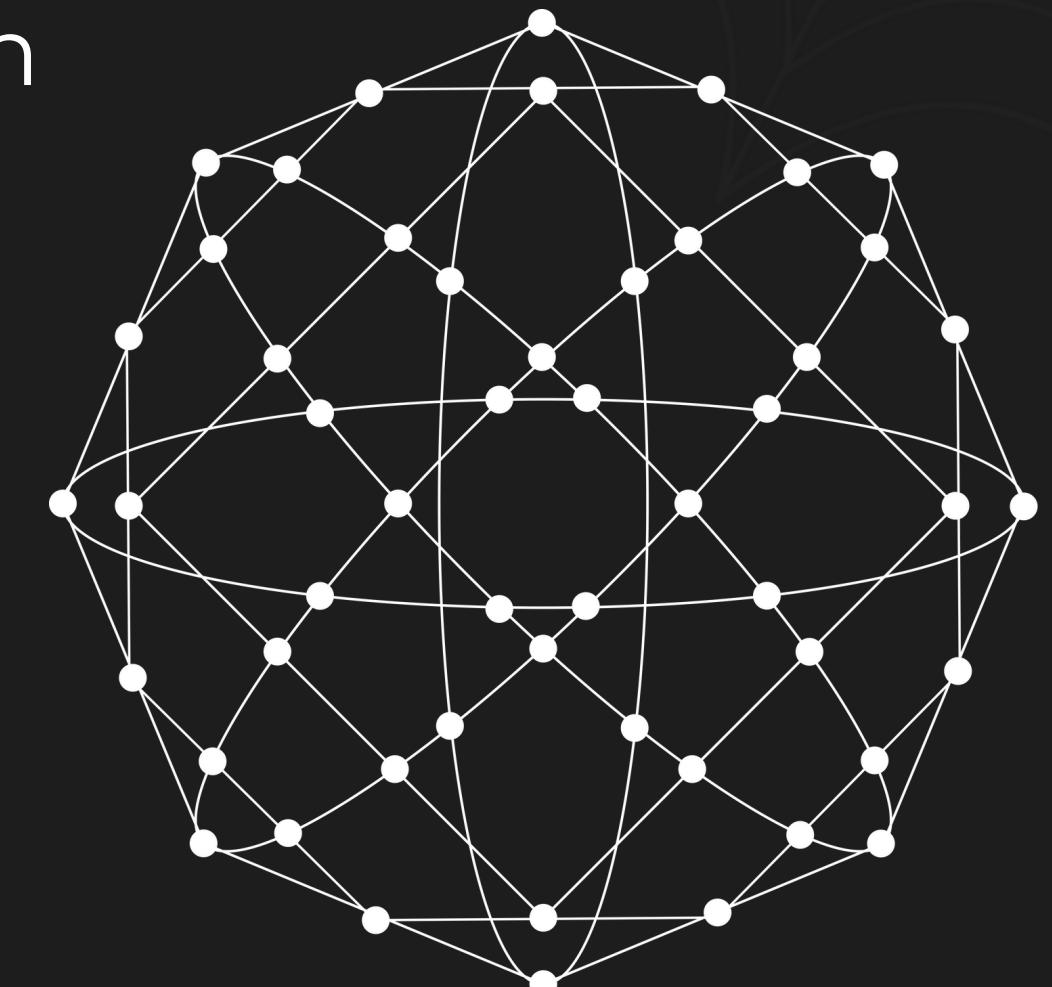
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# World Wide Web (www)

- 🌐 Web is a system of interconnected documents and resources accessible through the internet
- 🌐 Made Up of websites and hyperlinks
- 🌐 Invented by Sir Tim Berners-Lee in 1989

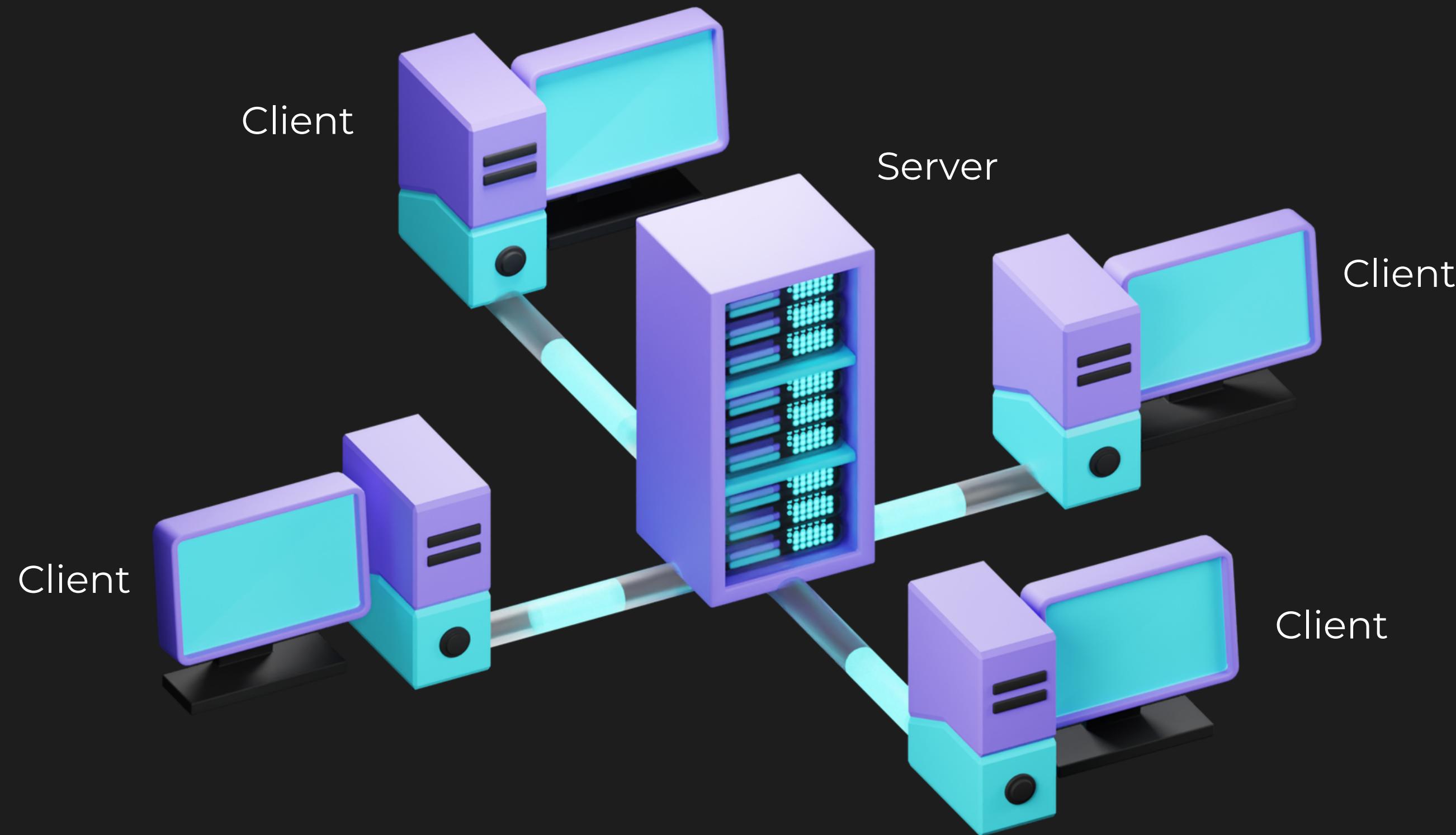




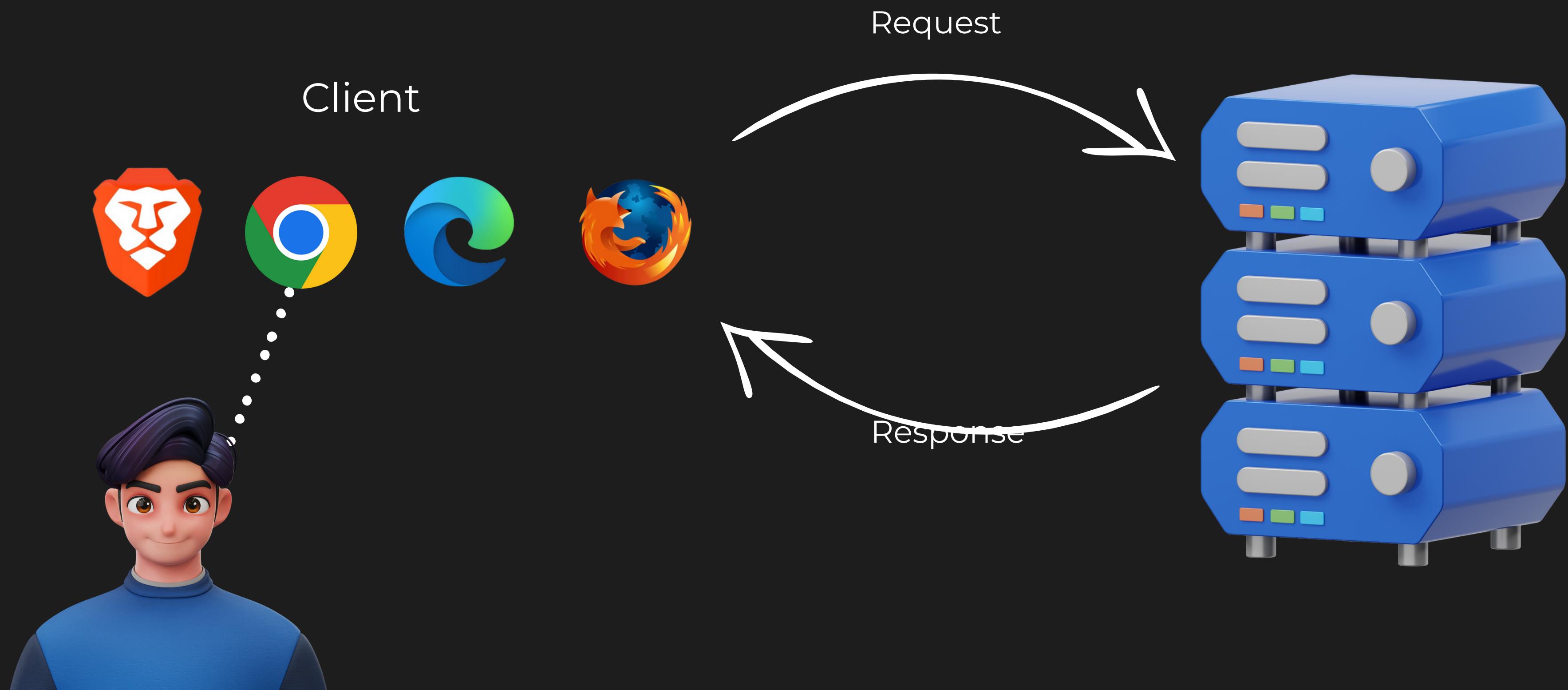
# How Does Web Work ?

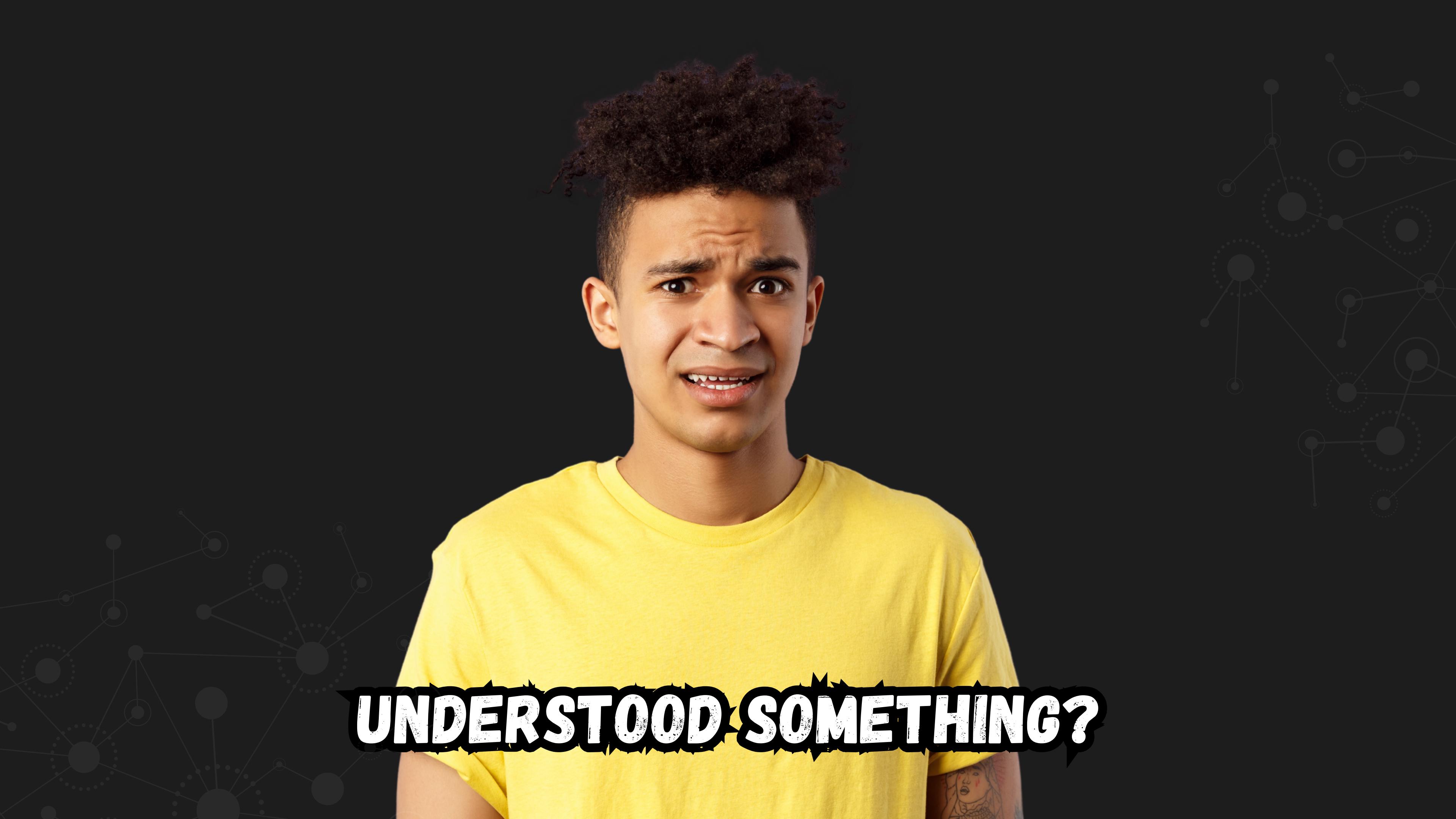


# Client - Server Model



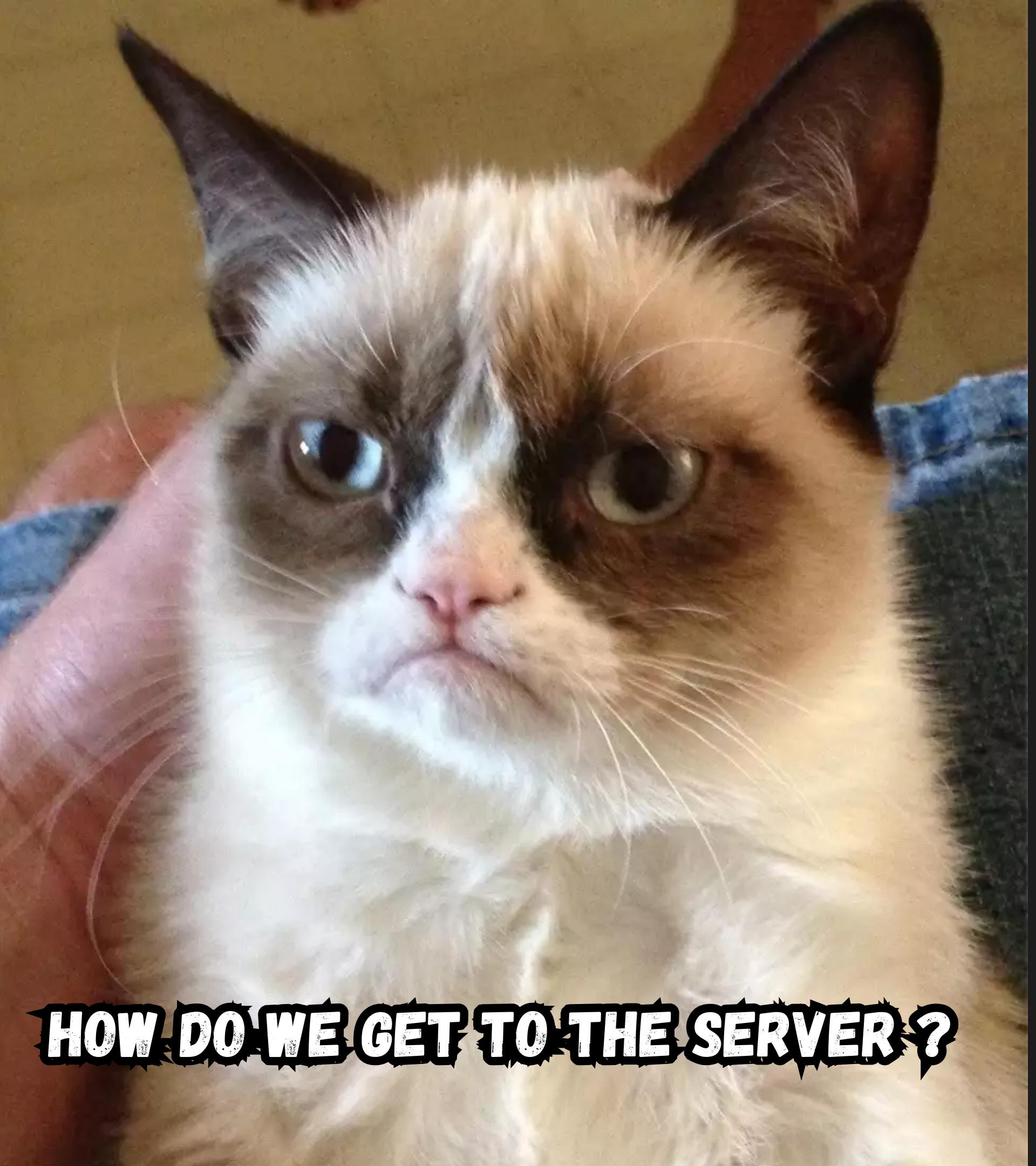
# How Does Web Work ?





**UNDERSTOOD SOMETHING?**

Before we start . . .



**HOW DO WE GET TO THE SERVER?**

# We use these

- 🌐 URL (Uniform Resource Locator)
- 🌐 Domain Name System (DNS)
- 🌐 HTTP

Let's swing into

# Web Development

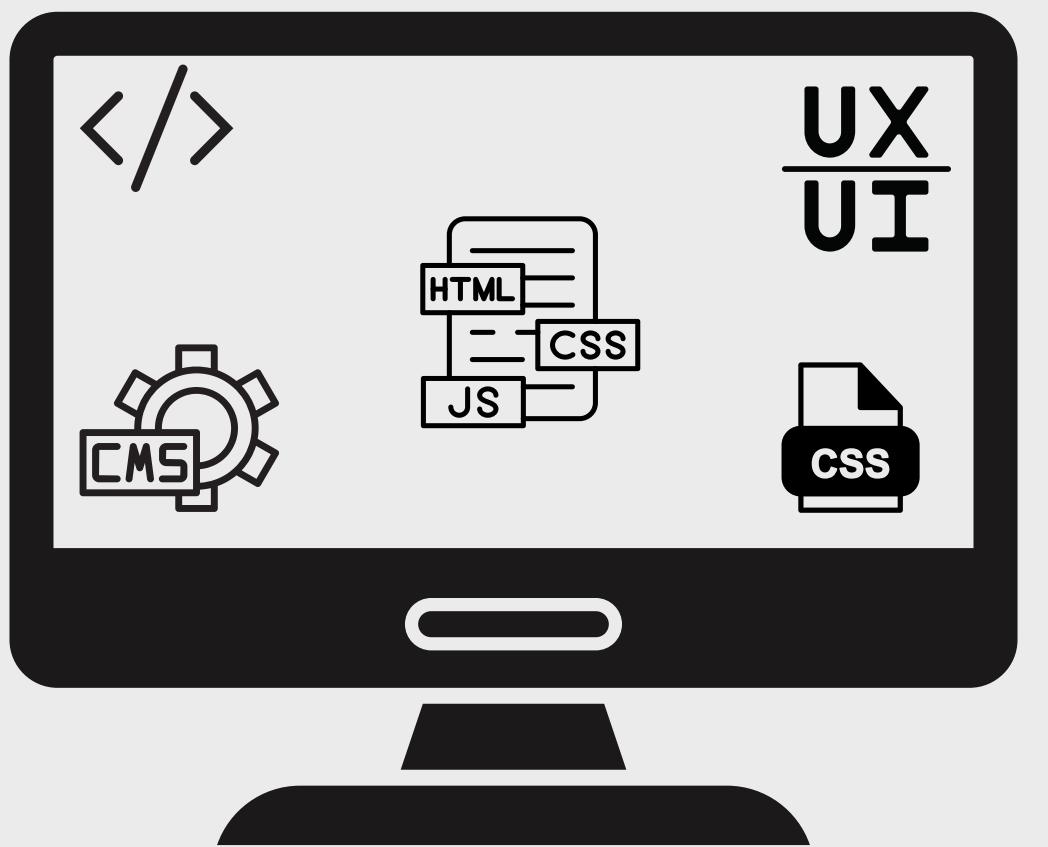


# Web Development

- 🌐 Creating and Maintaining websites and web applications
- 🌐 Building functional and visually appealing online experiences.



# Frontend Development



- 🌐 Visual Appearance
- 🌐 Interactivity
- 🌐 Usability

# Backend Development



- 🌐 Database Management
- 🌐 APIs
- 🌐 Server Side Logic

# BACKEND



# FRONTEND





JAKE-CLARK.TUMBLR





Me as  
Full-stack  
developer

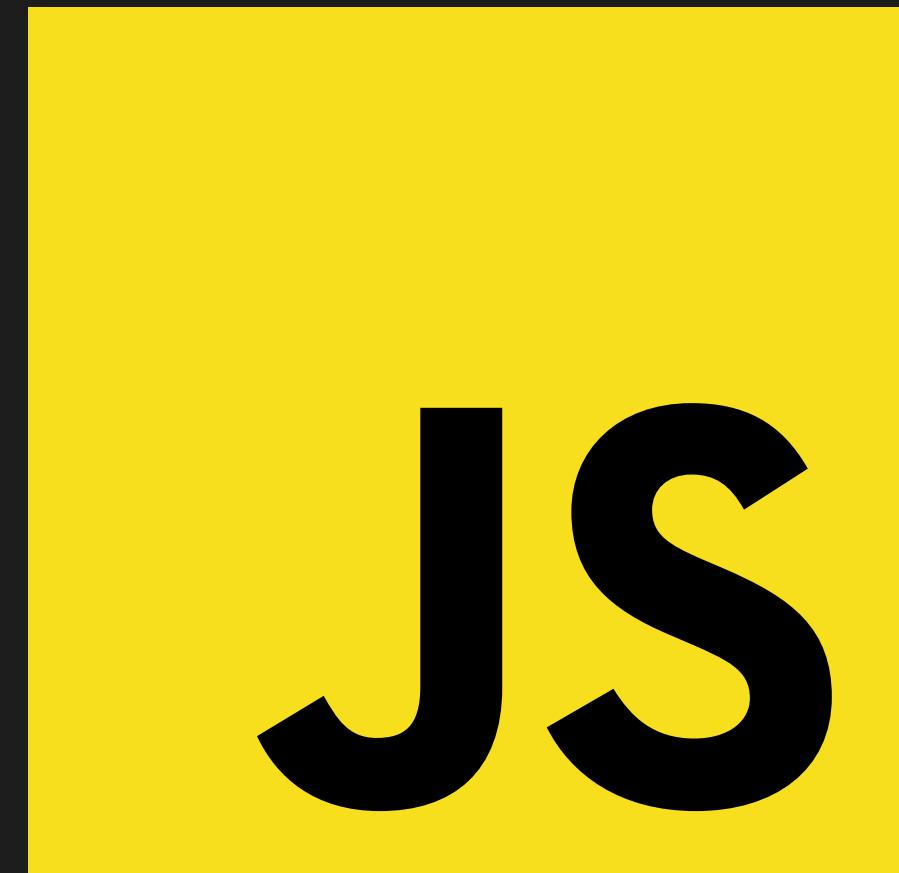
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• JAKE-CLARK.TUMBLR

**ME AND MY FRIEND FIGHTING ABOUT  
FRONT END VS BACK END**



# Basic Web Development Technologies



# HyperText Markup Language



- 🌐 Uses a series of tags to define the structure and content of a page.
- 🌐 Web browsers interpret the HTML code and display the page .
- 🌐 Body or skeleton

# Cascading Style Sheets

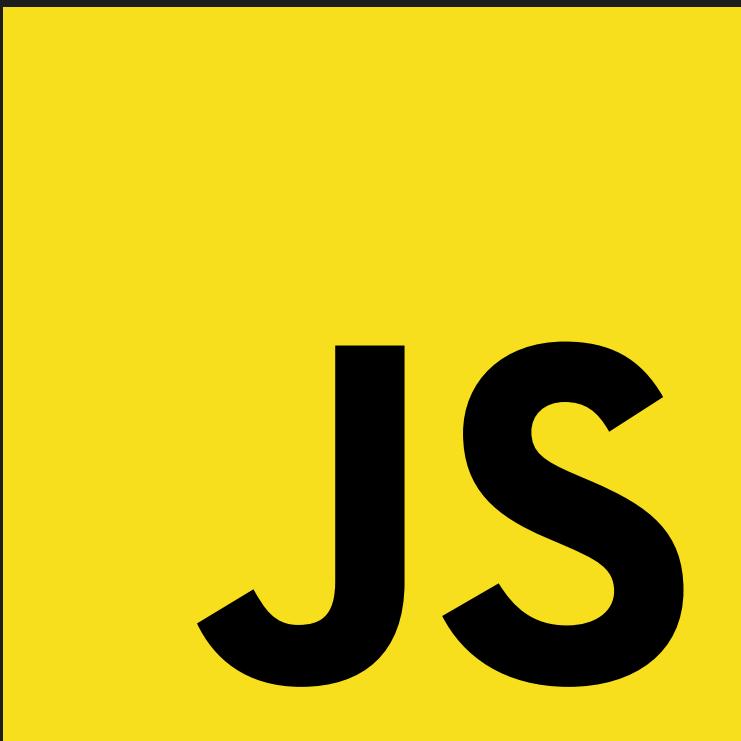


- 🌐 CSS is used to control its presentation and style.
- 🌐 CSS allows you to specify a web page's layout, colours, fonts, and other visual aspects.
- 🌐 Enhances the aesthetics and overall user experience of the website.

**LE ME SELECTING  
COLOUR IN MY  
WEBSITE USING CSS**



# JavaScript



- 🌐 Powerful scripting language
- 🌐 Adds interactivity and dynamic behaviour
- 🌐 Provide a richer and more engaging user experience.

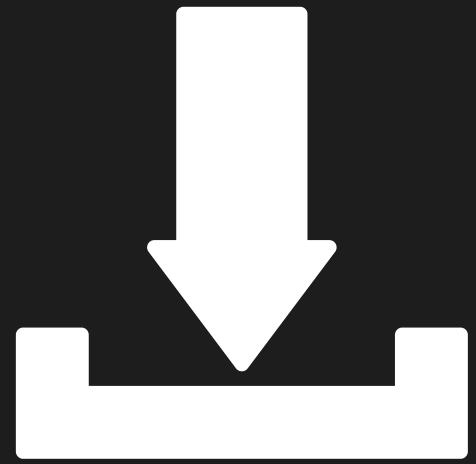
# API'S



# DATABASE



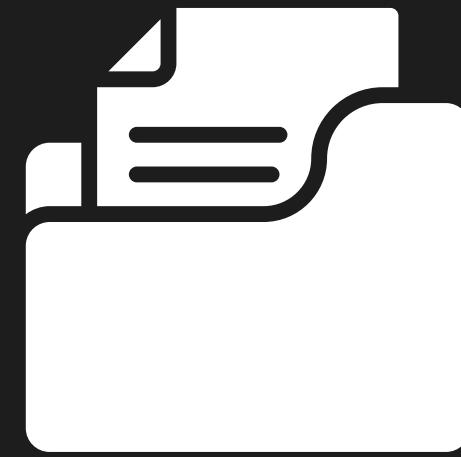
# Database



Store Data

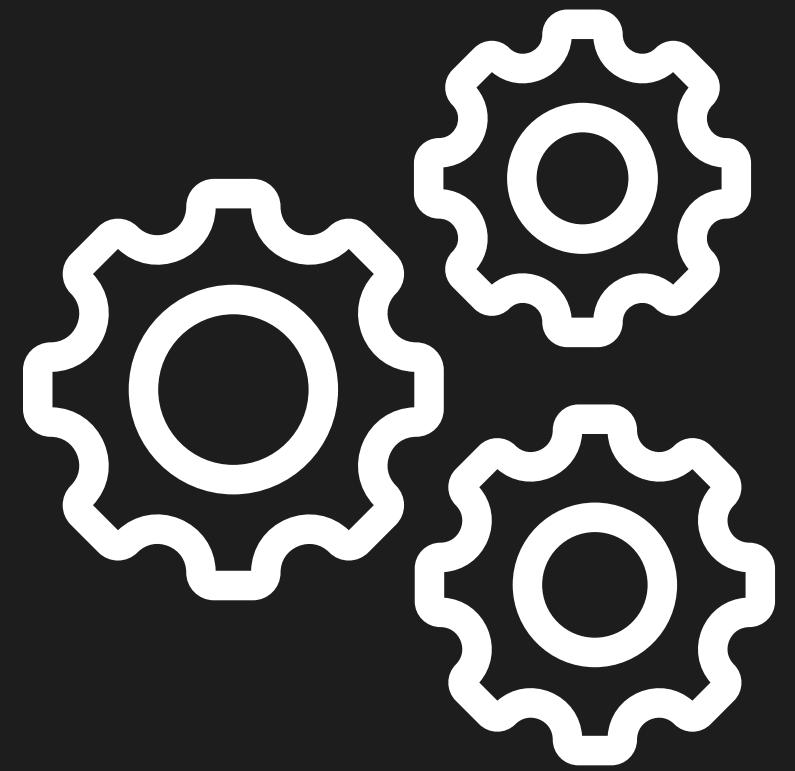


Retrieve Data



Organize Data

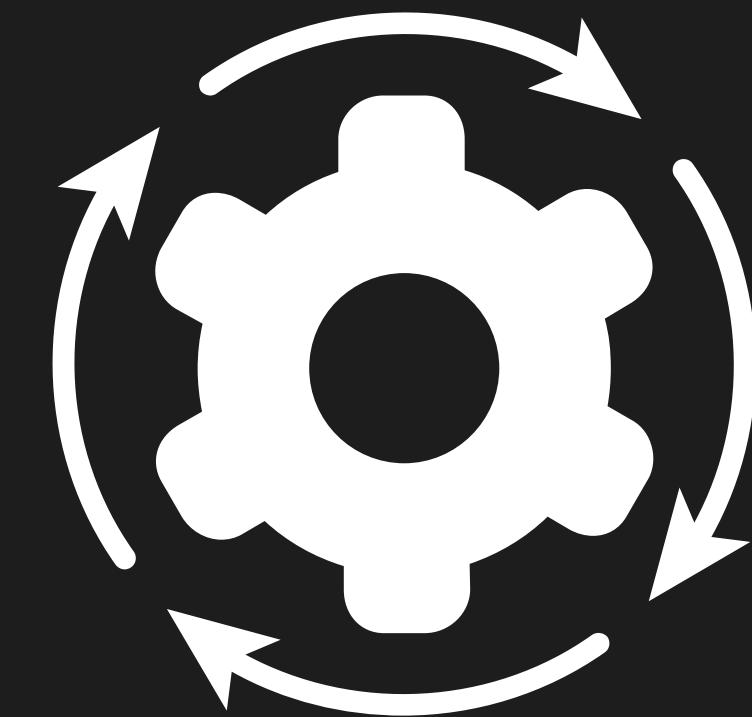
# Server Side Logic



Processing

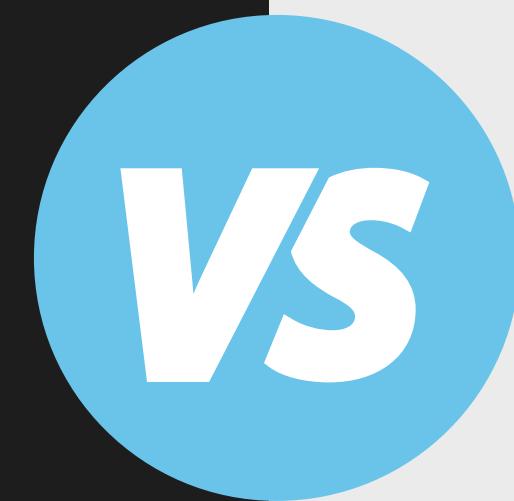
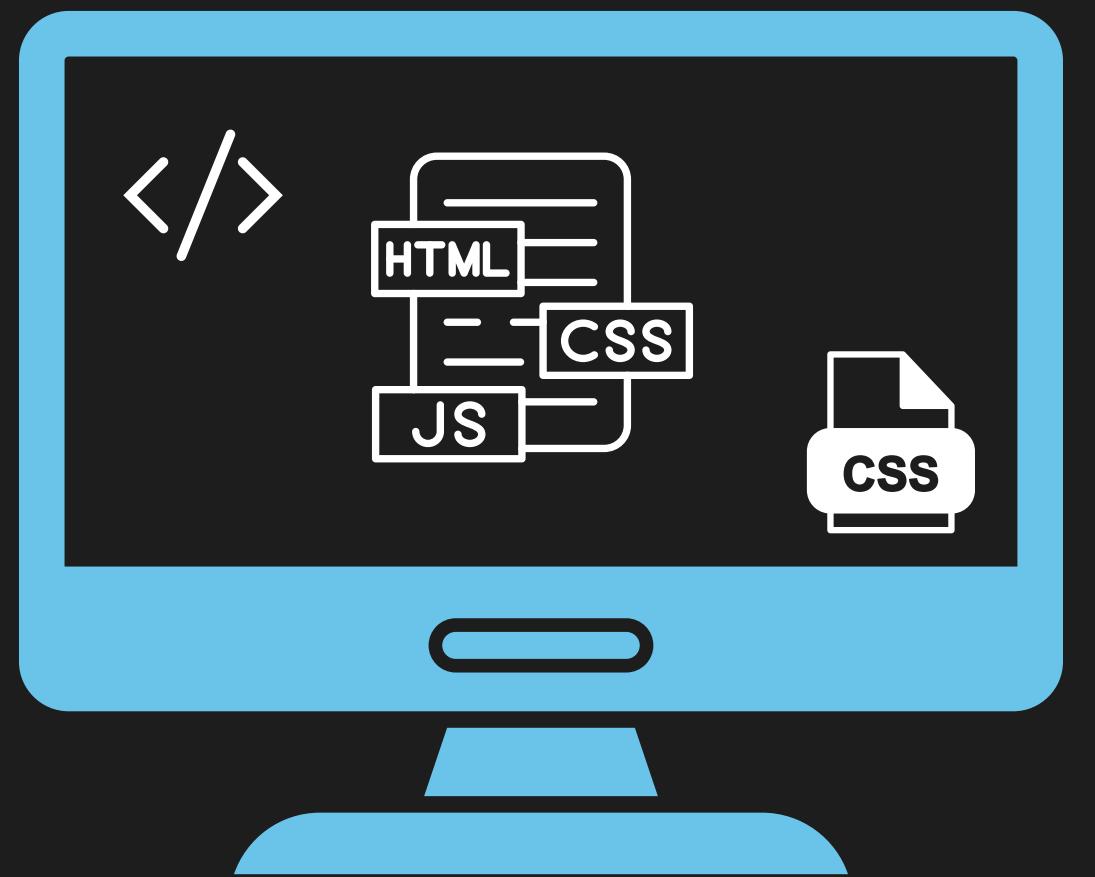


Validation



Operations

# Static Website

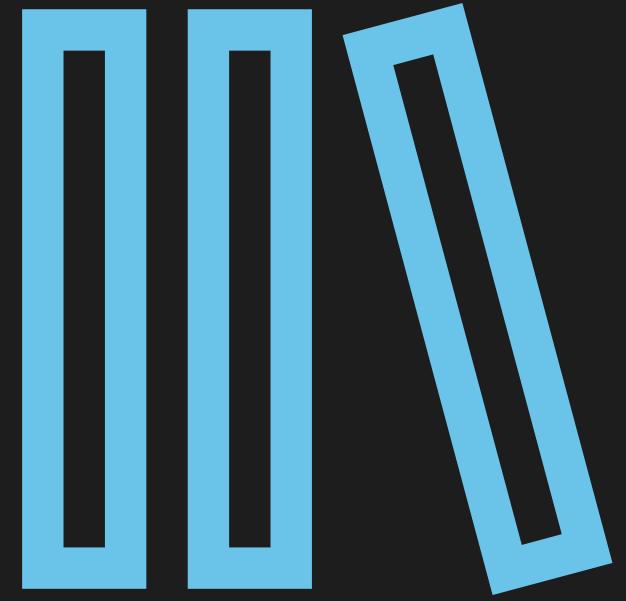


# Dynamic Website



# Frameworks

- 🌐 Foundation and a set of tools for building applications
- 🌐 Covers aspects like data management ,security ,routing etc.



# Libraries

- Collection of pre-written code modules or functions
- Provide ready made code for developer to incorporate in application

# Factors to consider



- 🌐 Responsive Design
- 🌐 Accessibility
- 🌐 Performance Optimization
- 🌐 Security

# Resources

 Mozilla Developer Network

 Documentation

 Youtube

 IT Club



# Youtube

- 🌐 Traversy Media
- 🌐 Code with harry
- 🌐 Free Code Camp
- 🌐 Programming with Mosh

# MAKING YOUR OWN WEBSITE



Go to

<https://www.register.com.np>

& register your own domain  
for free !!

yes ! It's FREE !!!

# WHERE TO HOST ?



△ Vercel

netlify

Github



**AFTER YOU COMPLETE  
YOUR OWN WEBSITE AND  
DEPLOY IT**

# CLOUD DEPLOYMENT



Software as a service



Platform as a service



Infrastructure as a service

# Thank you !

**ANY QUESTIONS?**

