



<Eodeck>



# ROADMAP

**01** INTRODUCTION & HTML

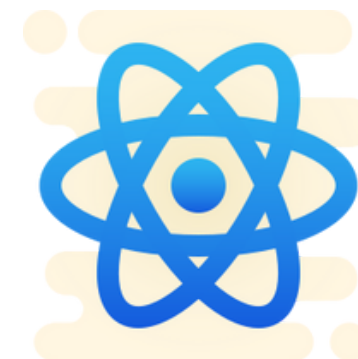
**02** HTML5 & CSS

**03** CSS & WEB DESIGN

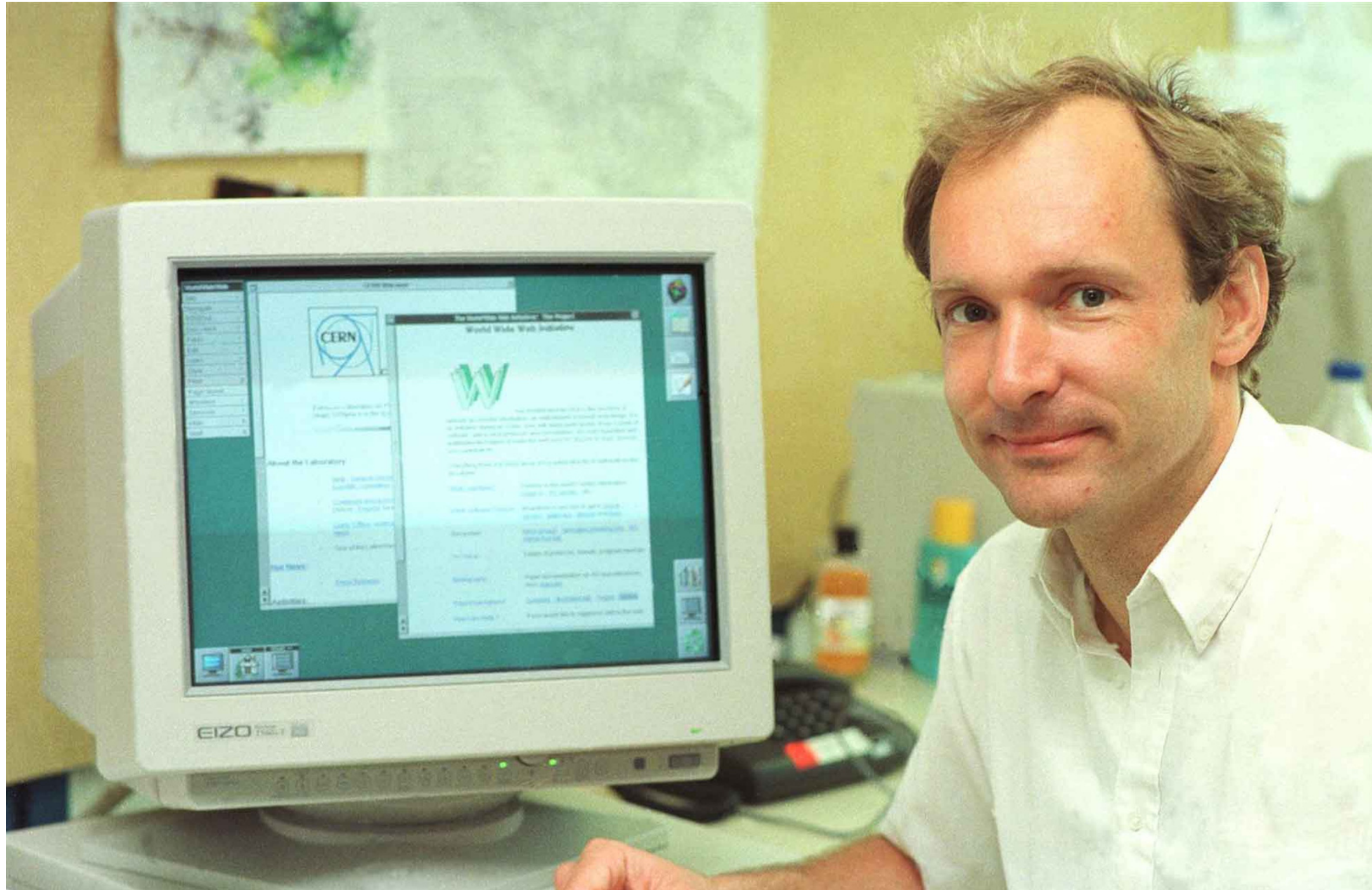
**04** TAILWINDCSS

**05** JAVASCRIPT & ES6

**06** REACT JS



# Tim Berners-Lee



**In 1989 tim berners-lee created**

**World Wide Web**

**WWW**

HOW THE WEB WORK ??



# WEB

The web is a global network that facilitates the sharing of information using

**HyperText Transfet Protocol**

**HTTP**



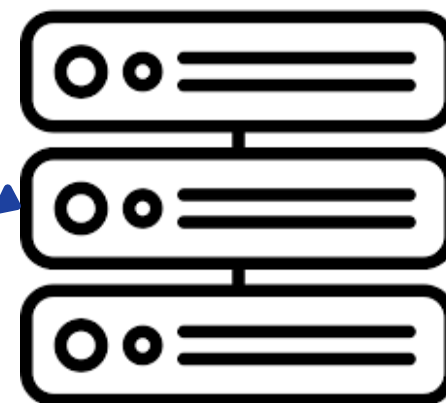
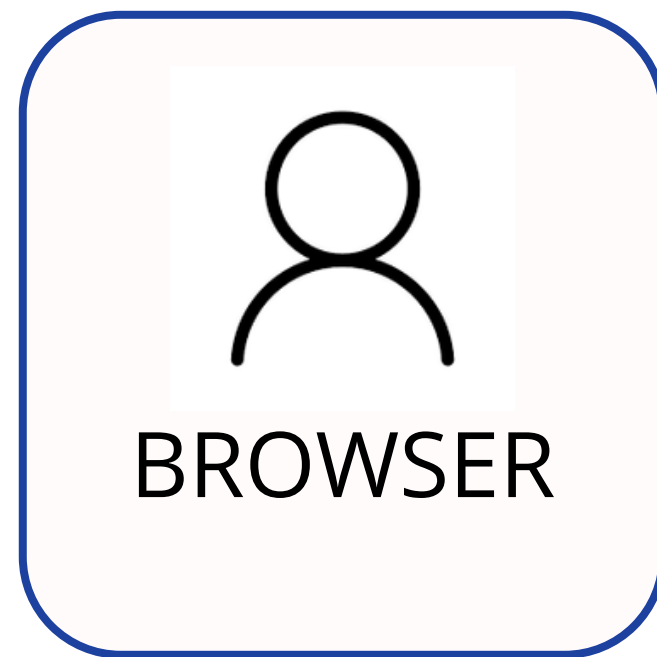


# https://k-linker.club/join

Connection protocol

Domain name

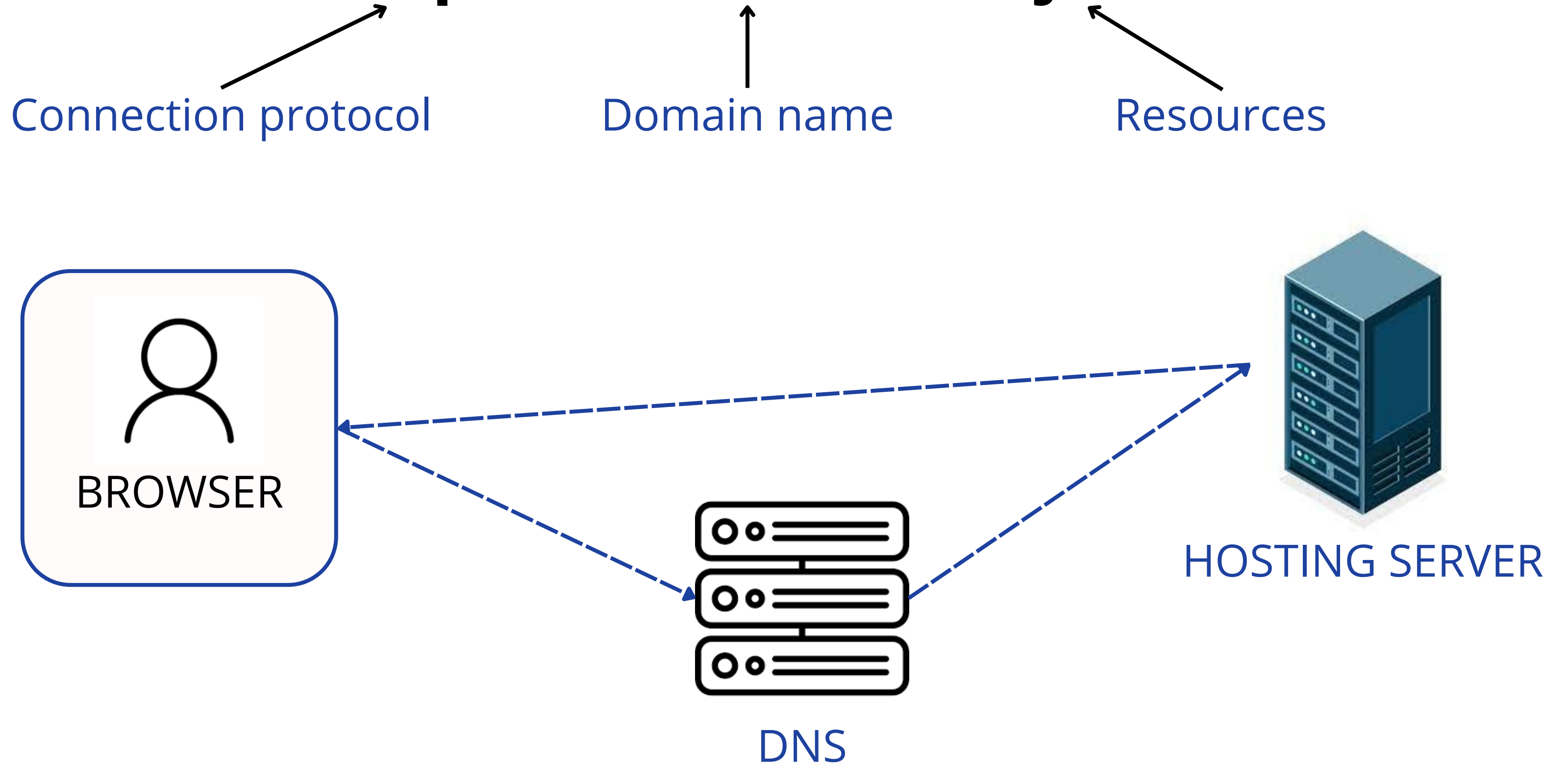
Resources



DNS



HOSTING SERVER



# HTTP REQUEST RESPONSE CYCLE

First a user gives a client a uniform resource locator URL, the client builds a request for the resources to be generated by a server. When the server receives that request, it uses the information included in the request to build a response that contains the requested information.

The model of the request-response cycle depends on the technology used by developers

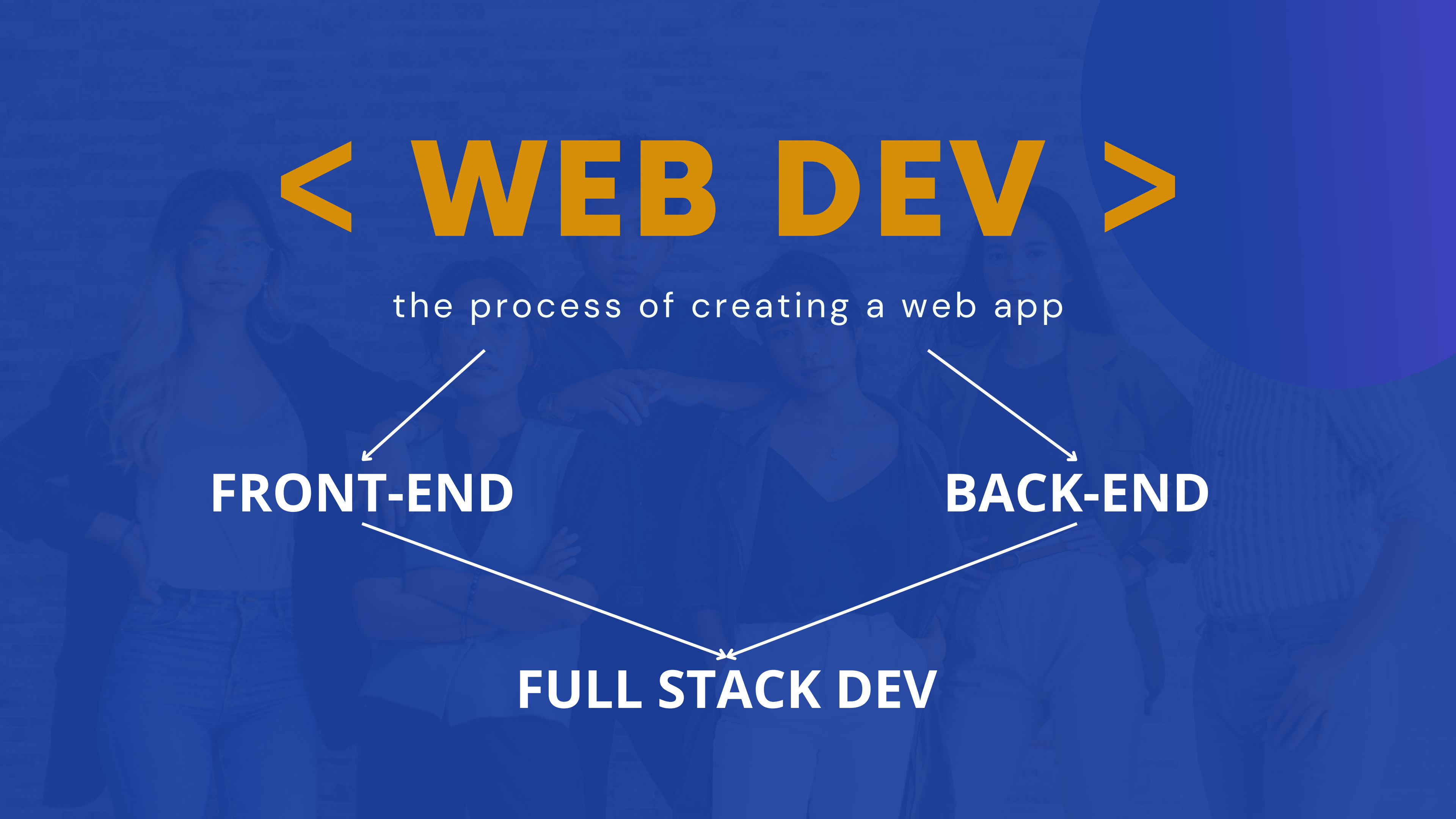
# < WEB DEV >

the process of creating a web app

**FRONT-END**

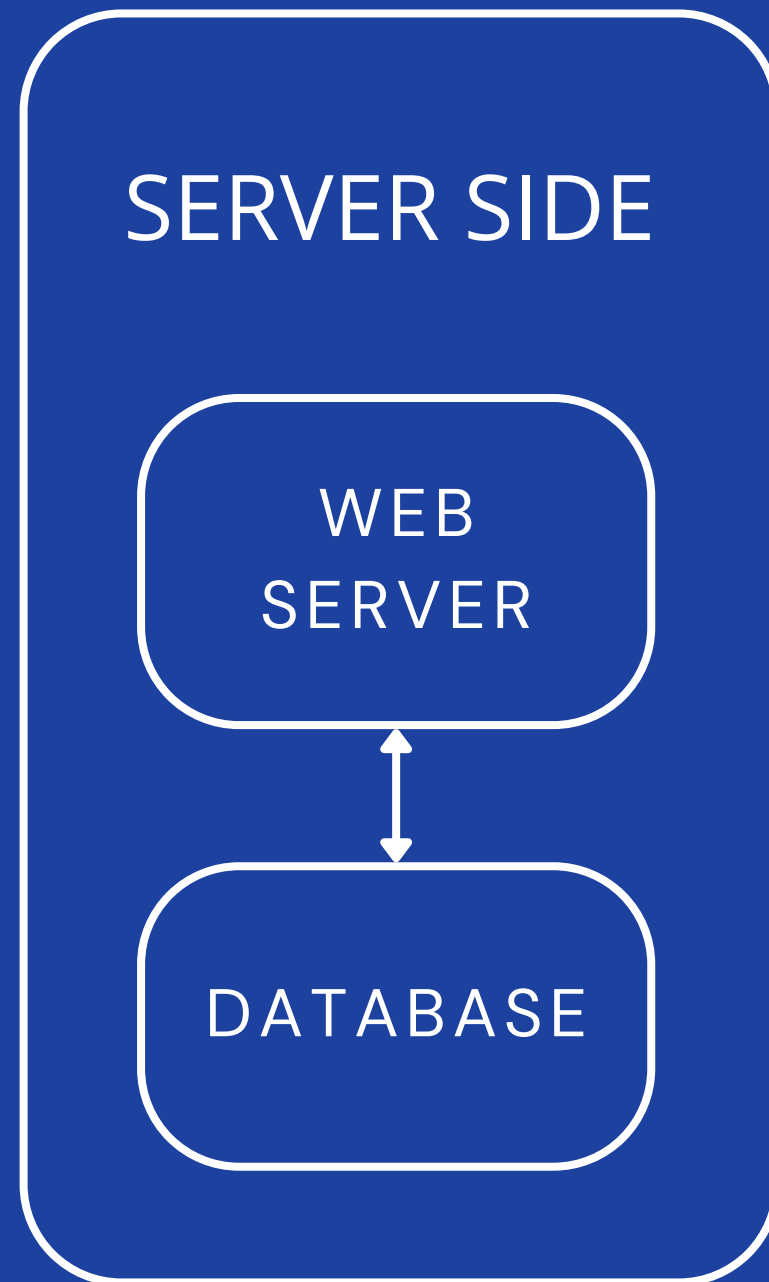
**BACK-END**

**FULL STACK DEV**

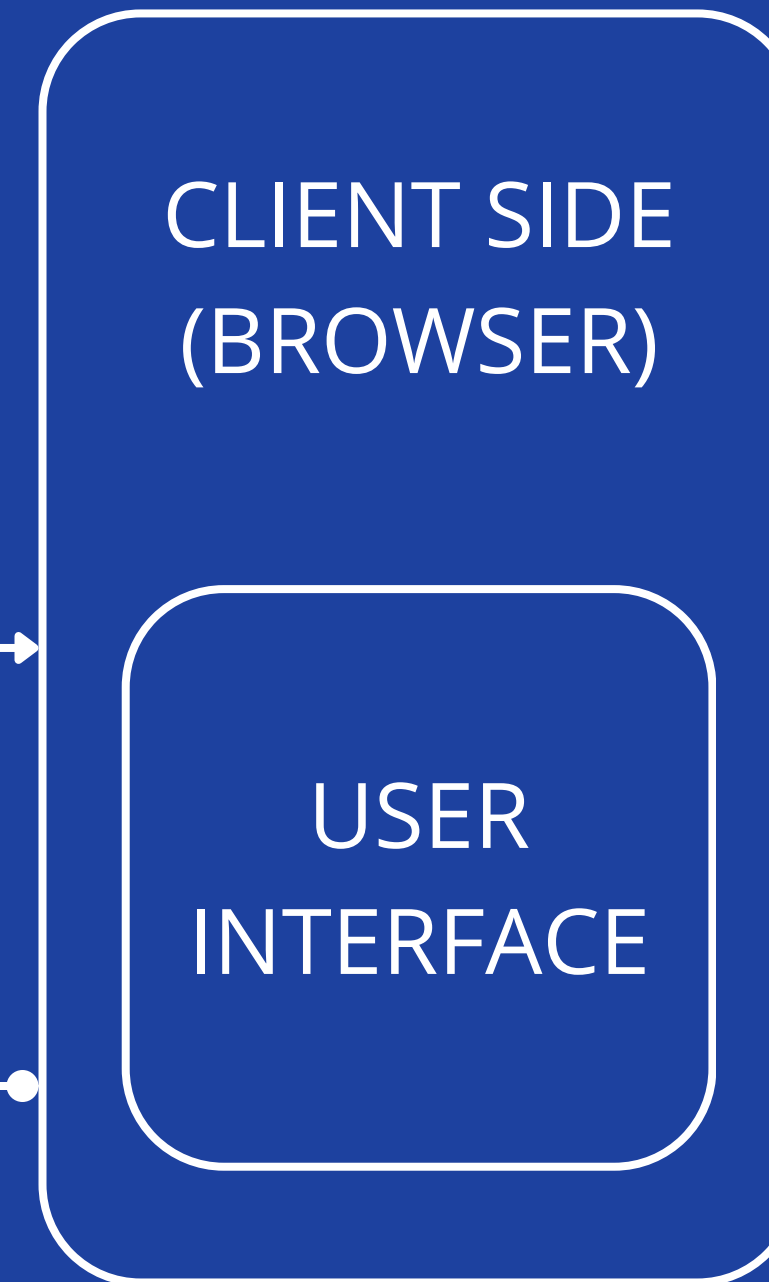




# BACK-END



# FRONT-END



HTTP RESPONSE

HTTP REQUEST

**1 - Build responsive user interfaces**

**2 - Handle any interaction with the client**

**3 - Handle server request/response (API)**

**4 - web optimization** (performance , seo ,  
accessibility , user experience )

# FRONT-END



HTML provides the structure and content of a webpage. It consists of elements represented by tags.



CSS is used to style the HTML elements, providing visual presentation and layout.

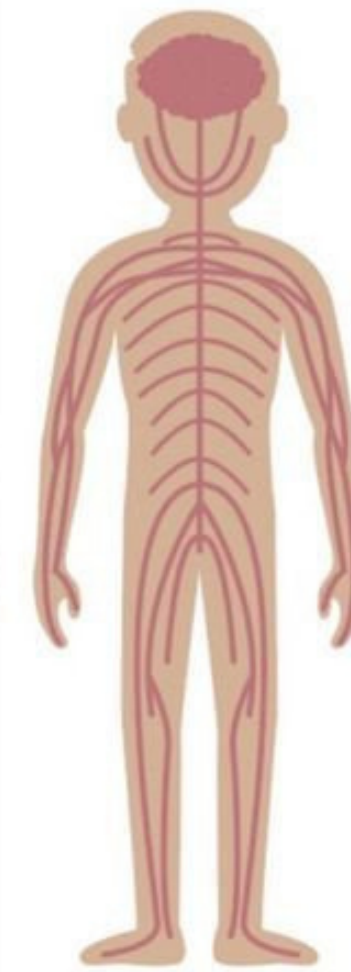


JavaScript is a programming language that enables interactivity and dynamic behavior on webpages.

HTML

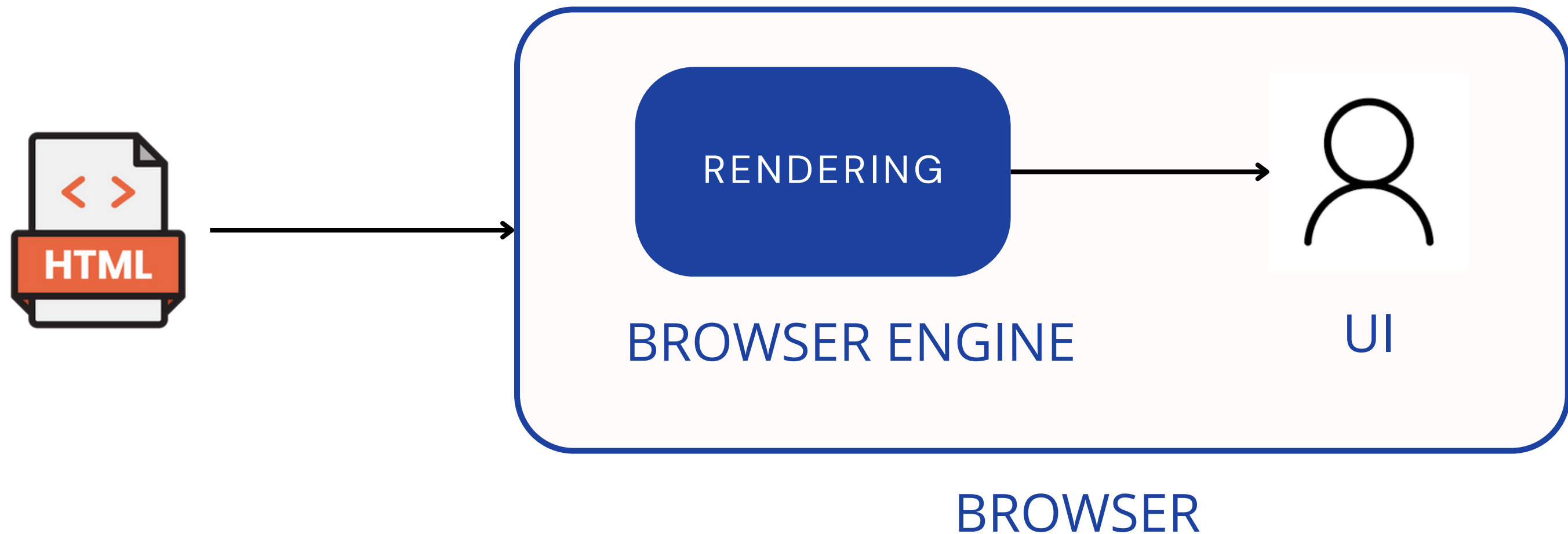
JS

CSS



# HYPertext MARKUP LANGUAGE

standard markup language used for creating and structuring web pages. It provides a set of elements or tags that define the structure of content on a webpage.





# BROWSER

## WHAT IS A BROWSER

A browser, short for web browser, is a software application used to access and navigate the World Wide Web. It allows users to view web pages, interact with web content, and access various online resources such as websites, images, videos, and other types of multimedia content.



MEMORY  
MANAGEMENT  
AND WEB  
CACH

HARDWARE  
ACCES

**BROWSER ENGINE**

NETWORK  
CONTROL

APP AND  
USER  
INTERFACE

BROWSER

# BROWSER ENGINE

A browser engine or rendering engine, is a core component of a web browser responsible for rendering web pages. It interprets HTML, CSS, and JavaScript code to display web content on the screen

YOUR COMPUTER  
LOAD HTML,CSS FILE  
IN BYTE TO THE  
MEMORY

LOADING  
IN  
BYTES

Tokenization is the  
process of breaking a  
piece of text into  
words, phrases,  
symbols, or other  
meaningful elements,  
known as tokens.

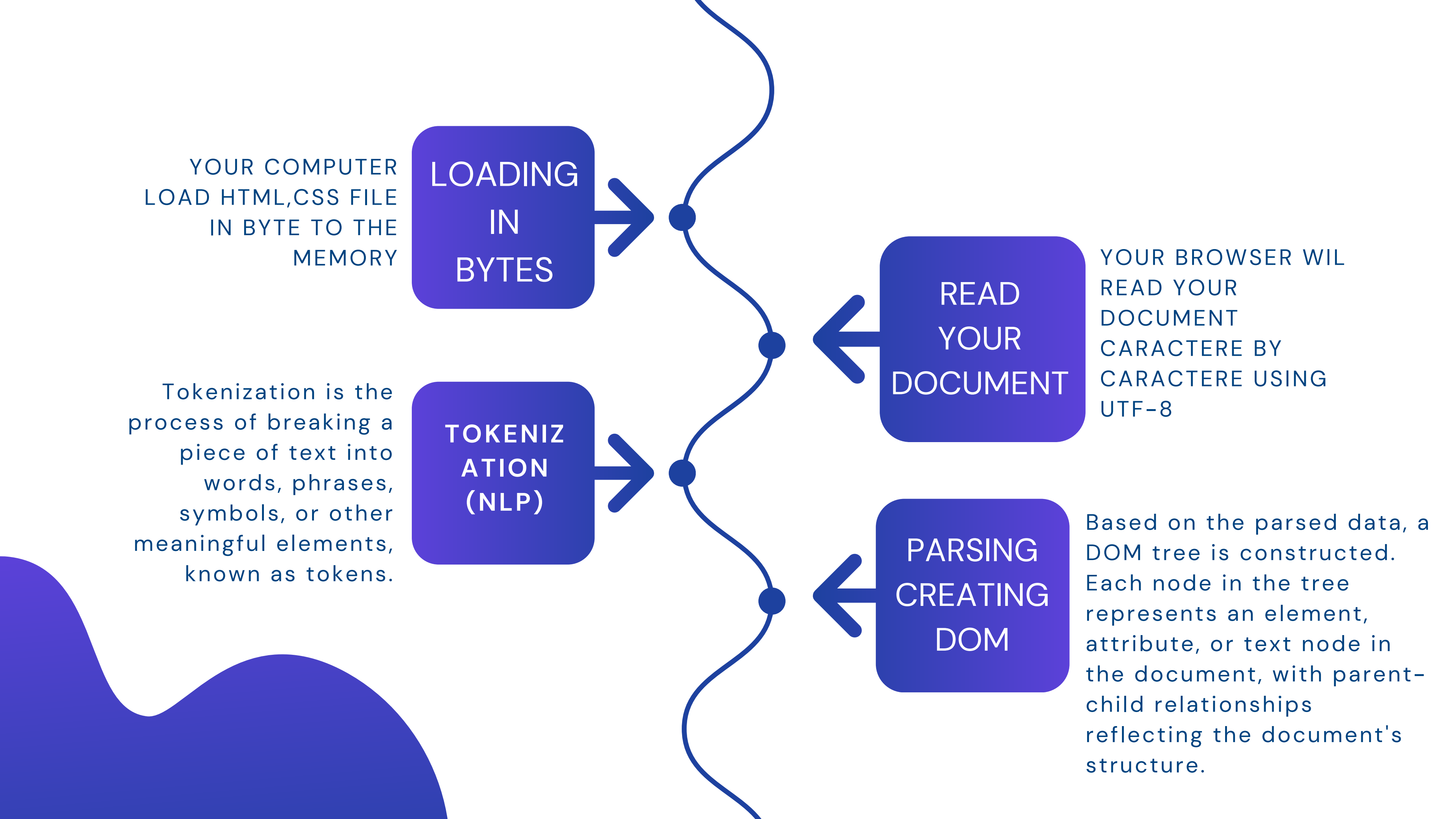
TOKENIZ  
ATION  
(NLP)

READ  
YOUR  
DOCUMENT

YOUR BROWSER WILL  
READ YOUR  
DOCUMENT  
CHARACTER BY  
CHARACTER USING  
UTF-8

PARSING  
CREATING  
DOM

Based on the parsed data, a  
DOM tree is constructed.  
Each node in the tree  
represents an element,  
attribute, or text node in  
the document, with parent-  
child relationships  
reflecting the document's  
structure.

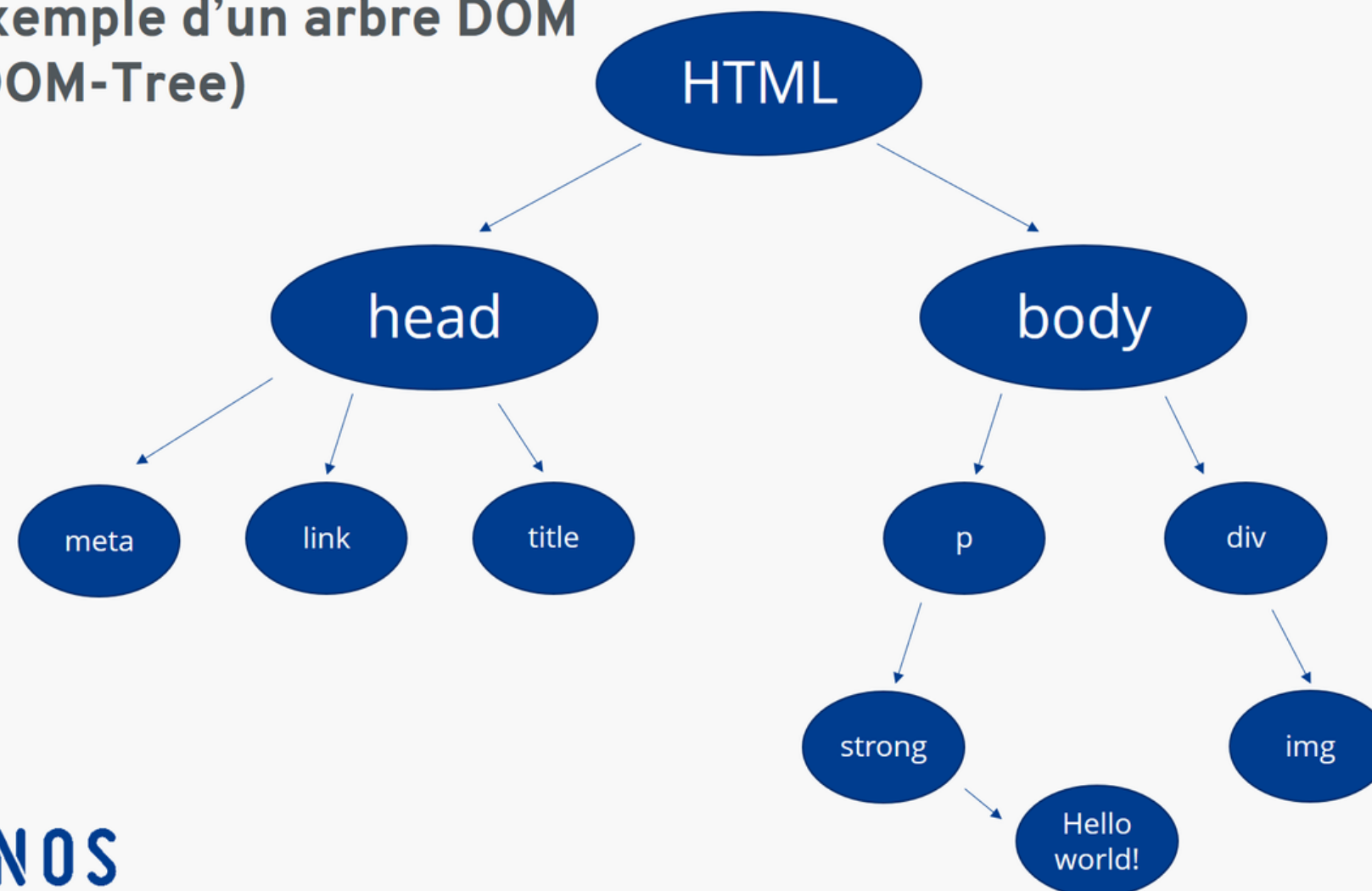




## DOM OBJECT MODEL

The DOM provides a structured representation of the document, which can be manipulated and interacted with using programming languages like JavaScript.

Exemple d'un arbre DOM  
(DOM-Tree)



**HTML**

# **1- TYPOGRAPHIE**

## **2- Global attribute**



# **3- Anchor**

# 4-Containers

# 5-lists

**6-tables**



**7-media**

# 8-Forms

# 9-Optmization