Curso desarrollo web

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Tech School

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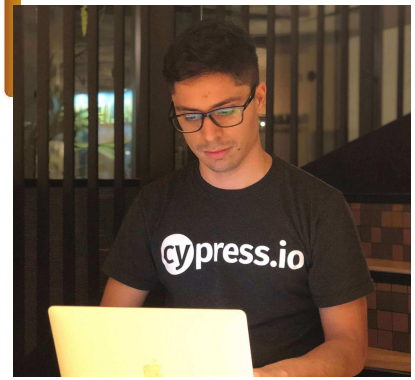

JavaScript developer, enthusiastic about web development, testing, and knowledge sharing. Team lead at **DCSL Guidesmiths**, frontend/ NodeJS instructor, Cypress ambassador and tech speaker.

dcsl GuideSmiths

BRIKEV

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Herramientas necesarias para el curso

- Editor de texto (VScode)

Resources

- https://developer.mozilla.org/en-US/
- https://www.w3schools.com/
- https://developers.google.com/

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Course summary

- Intro web development
- Client-server architecture
- Frontend introduction
- Basic HTML
- Advanced HTML
- Browser support
- Responsive design
- Basic CSS
- Basic Javascript

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Web development

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Web development is the building and maintenance of websites; it’s the work that happens behind the scenes to make a website look great, work fast and perform well with a seamless user experience.

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How websites work?

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airbnb

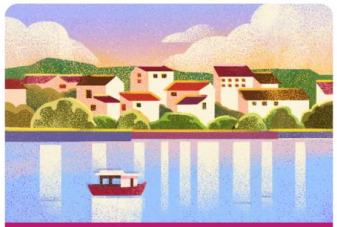
Start your search

Become a Host

Inspiration for your next trip

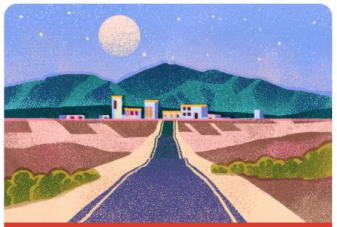
Málaga

414 kilometers away



Santander

341 kilometers away



Almeria

410 kilometers away

Vigo

468 kilometers away

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Client Server

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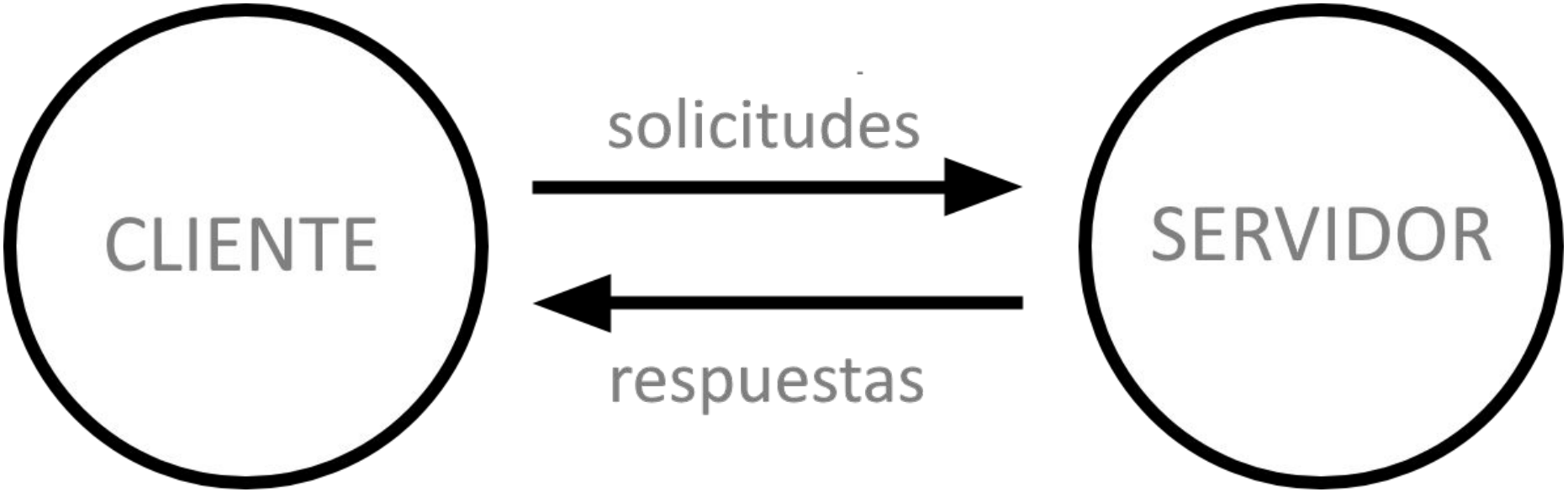

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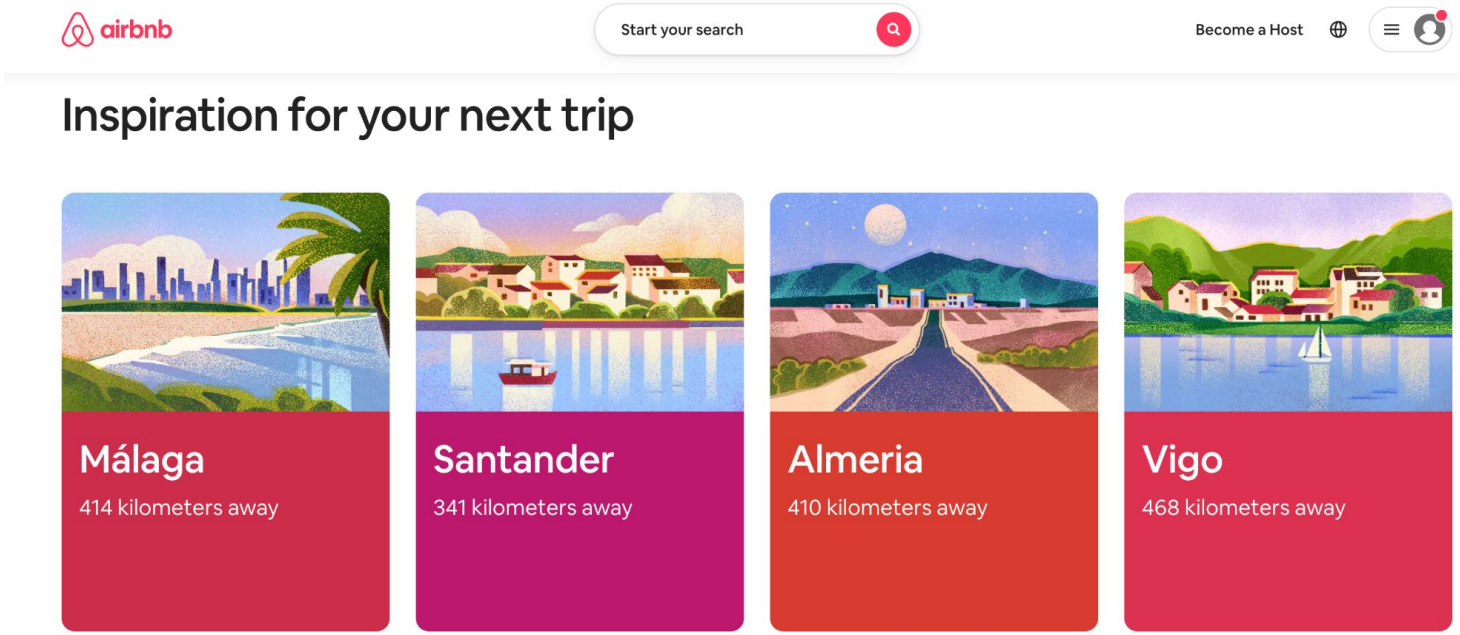
Clients



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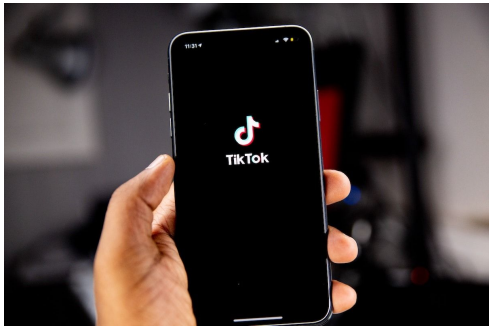
Clients



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Servers

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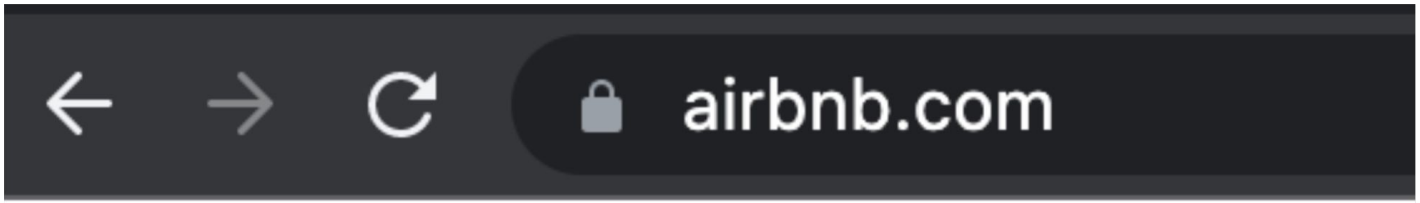
Servers



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DNS (Domain name system)

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Works like an address book where it has a mao between the domain and the IP of the server

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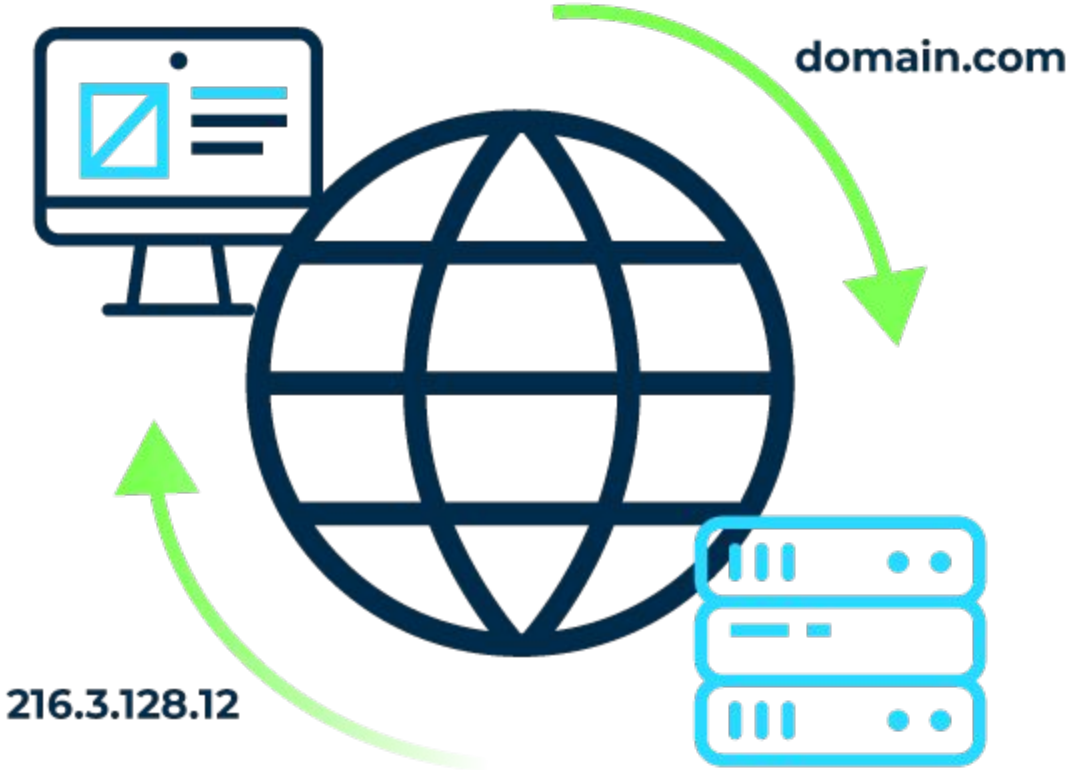

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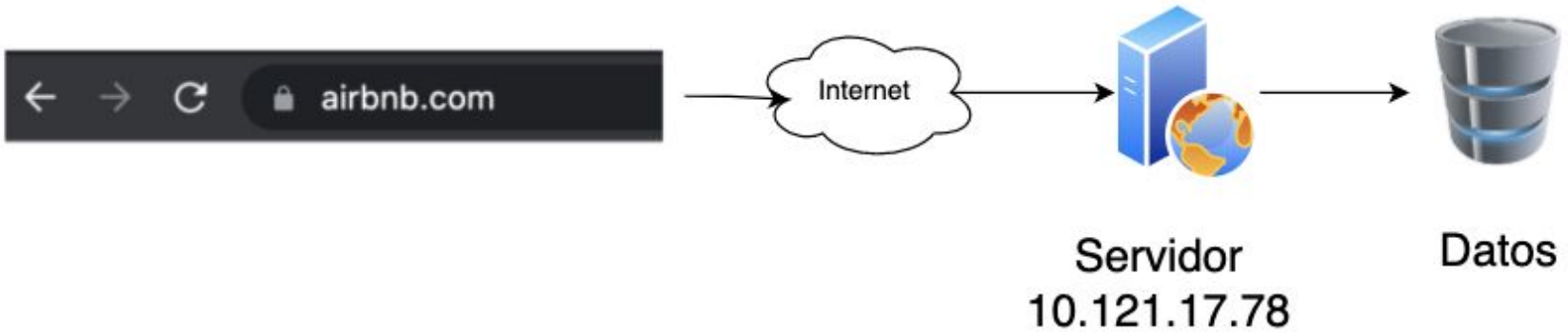

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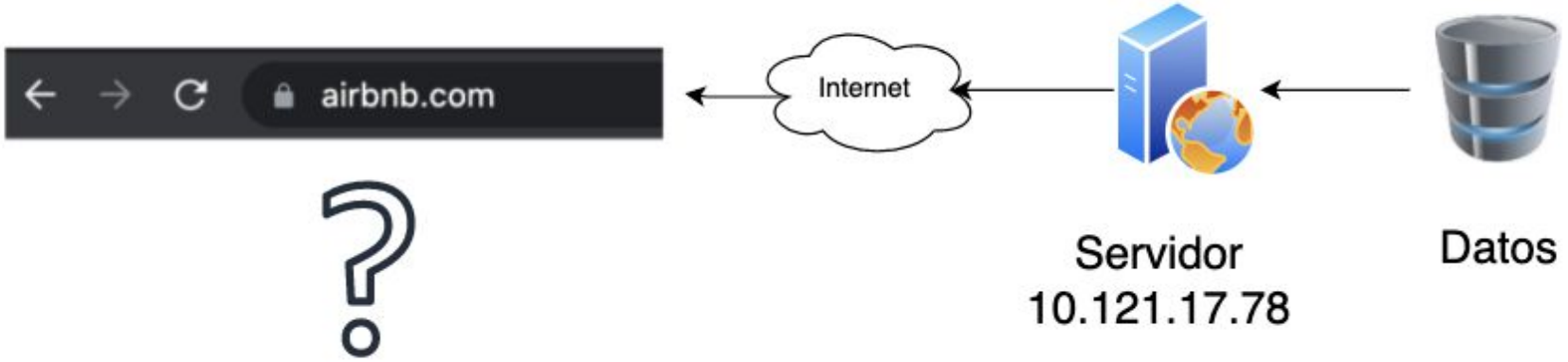

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It will return Files:

- Code files (HTML, CSS & Javascript)
- Resources (Images, Videos, JSON)

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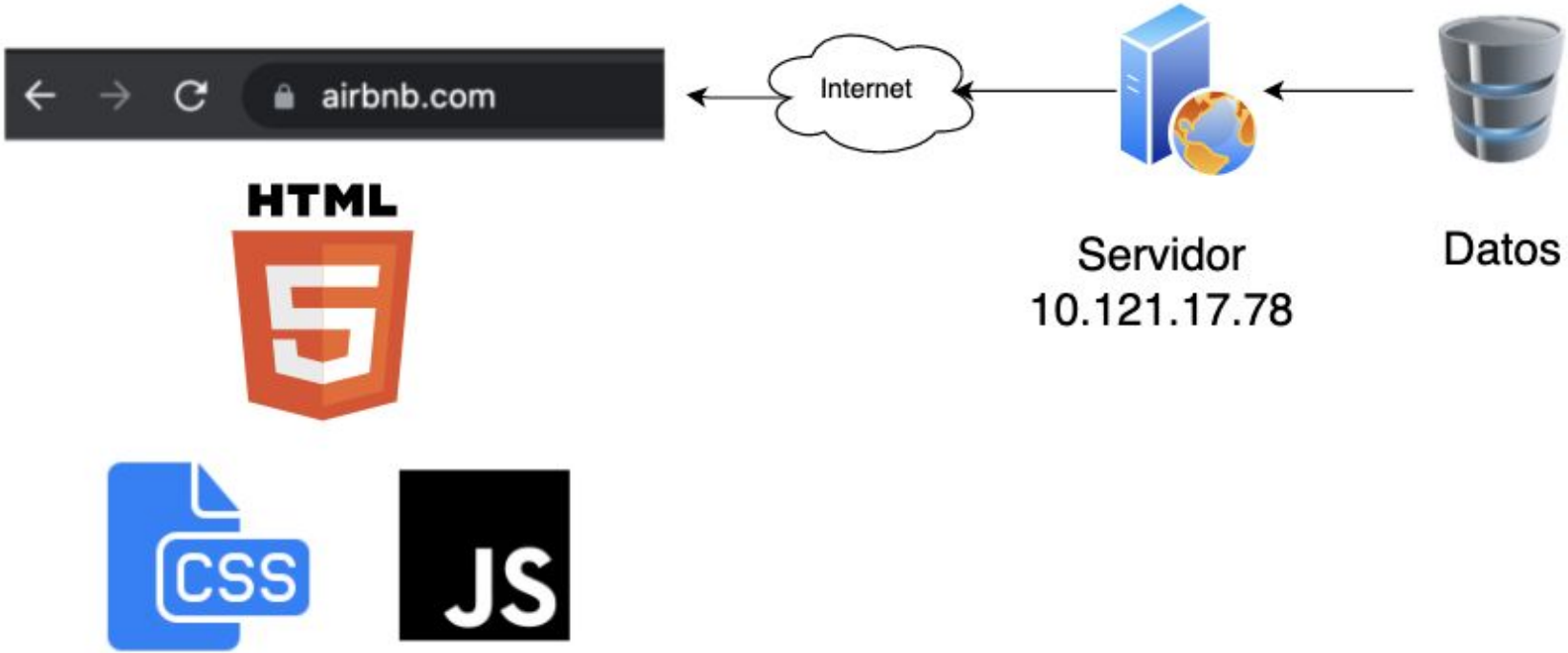

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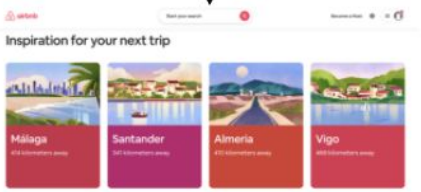

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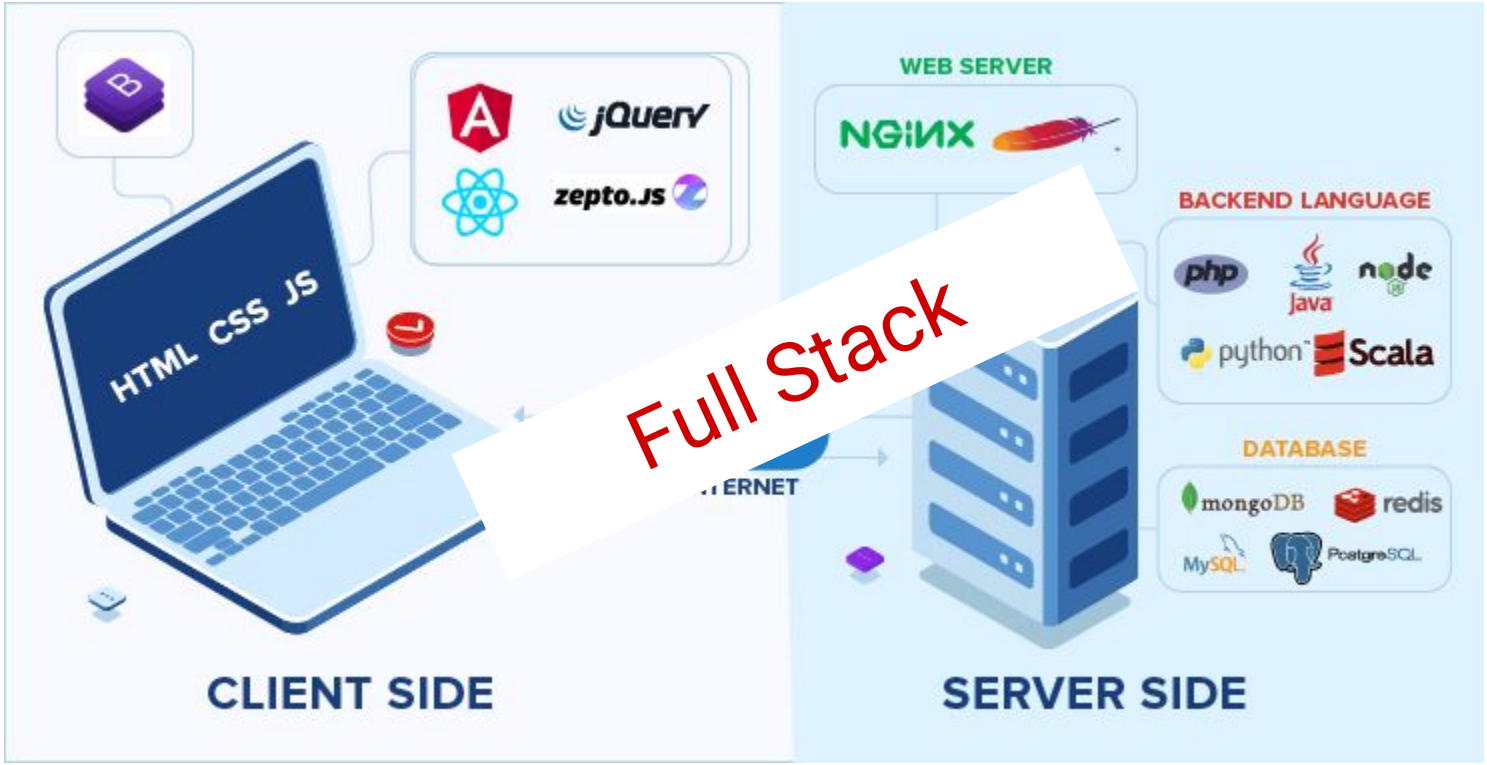

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ROCK STAR DEVELOPER
WE'RE LOOKING FOR A ROCK STAR DEVELOPER TO JOIN OUR TEAM
HE'S GOOD!
@SKELETON_CLAW
SKELETONCLAW.COM

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Frontend developer

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Front-end web development is the development of the graphical user interface of a website, through the use of HTML, CSS, and JavaScript, so that users can view and interact with that website

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Only 3 tools, then it’s easier 🤔

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·Tech Notes· ·Animation Sketches· ·Behind-the-Scenes Footage·

CHARACTER DEVELOPMENT

As if the Looney Tunes didn't have enough troubles, Warner Bros. Feature Animation created a whole new set of bad guys to give them a hard time. Here's how they came to life.

| BUPKUS | NADA | NULL | VOID | ZILCH |

BUPKUS

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Heroes and villains

Filters

CLEAR FILTERS

Play on

Console games PC games

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Action & Adventure ×

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Sort: Newest

TUNIC

Tom Clancy's Rainbow Six® Siege Deluxe Edition

Marvel's Guardians of the Galaxy

Paradise Killer

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it worths?

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it worths?

- Good salary
- Good schedule
- Remote work
- Constant change in tech
- Creative job
- Good community

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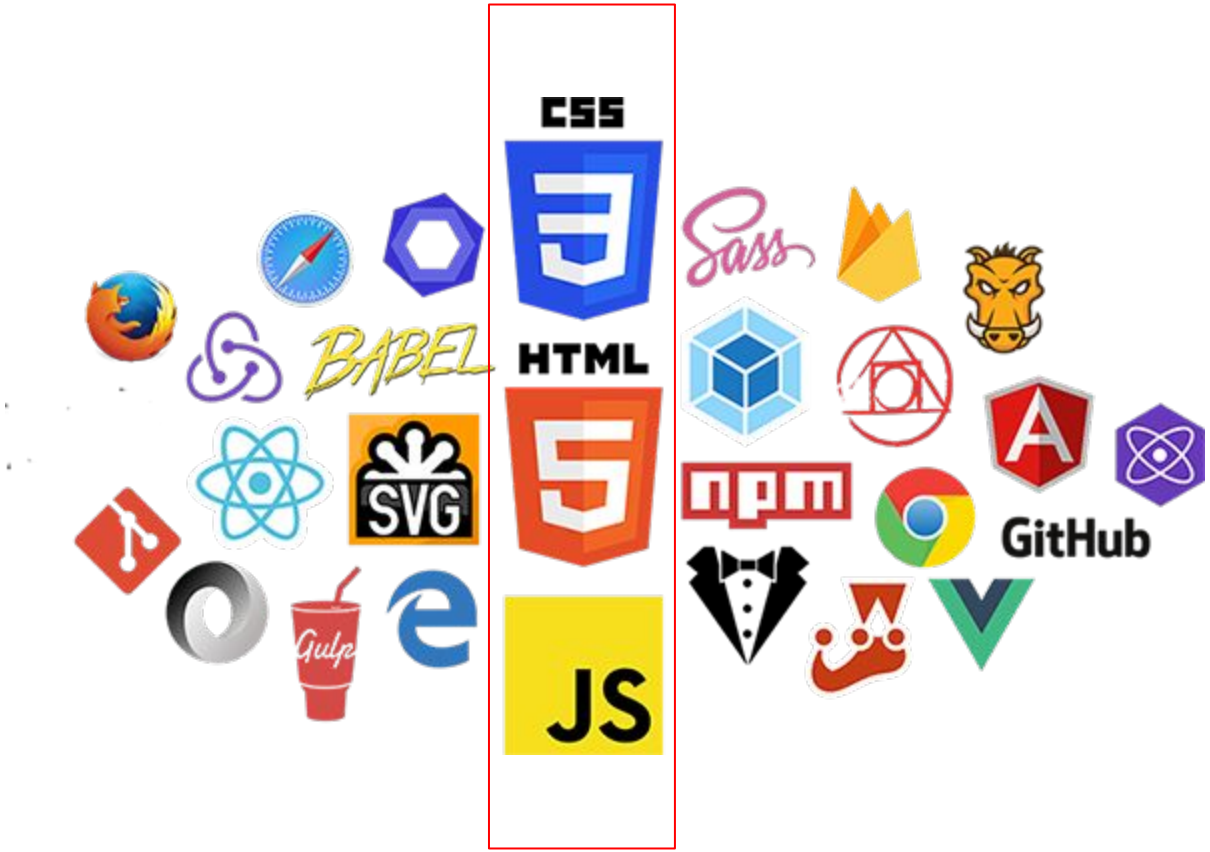

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Tips

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Tips

- Practice
- Patience
- Always ask
- Take a break
- Be pride of your progress
- Patience
- Don’t be afraid of failure

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HTML

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HTML (HyperText Markup Language) is the most basic building block of the Web. It defines the meaning and structure of web content.

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Other technologies besides HTML are generally used to describe a web page's appearance/presentation (CSS) or functionality/behavior (JavaScript).

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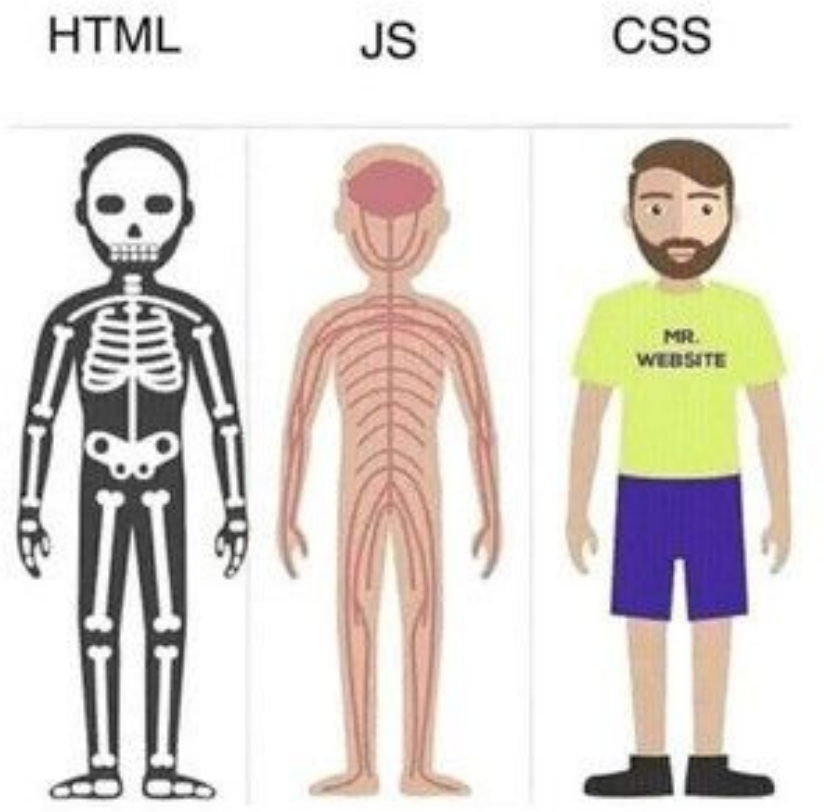

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HTML uses "markup" to annotate text, images, and other content for display in a Web browser. HTML markup includes special "elements" such as <head>, <title>, <body>, <header>, <footer>, <article>, <section>, <p>, , , <img>, <aside>, <audio>, <canvas>, <datalist>, <details>, <embed>, <nav>, <output>, <progress>, <video>, <ul>, <ol>, <li> and many others.

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How will we work?

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Basic tagging

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Basic tagging

- <!DOCTYPE html> — doctype. It is a required preamble. They don't do much and are basically just needed to make sure your document behaves correctly.
- <html></html> This element wraps all the content on the entire page and is sometimes known as the root element.
- <head></head> This element acts as a container for all the stuff you want to include on the HTML page that isn't the content you are showing to your page's viewers. This includes things like keywords and a page description that you want to appear in search results, CSS to style our content, character set declarations, and more.
- <meta charset="utf-8"> — This element sets the character set your document should use to UTF-8 which includes most characters from the vast majority of written languages
- <title></title> This sets the title of your page
- <body></body>This contains all the content that you want to show to web users when they visit your page

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Headings

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Paragraphs

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Lists

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nested tags

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The tag defines a division or
a section in an HTML document

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DOM Tree

When a web page is loaded, the browser creates a **D**ocument **O**bject **M**odel of the page.

The **HTML DOM** model is constructed as a tree of **Objects**

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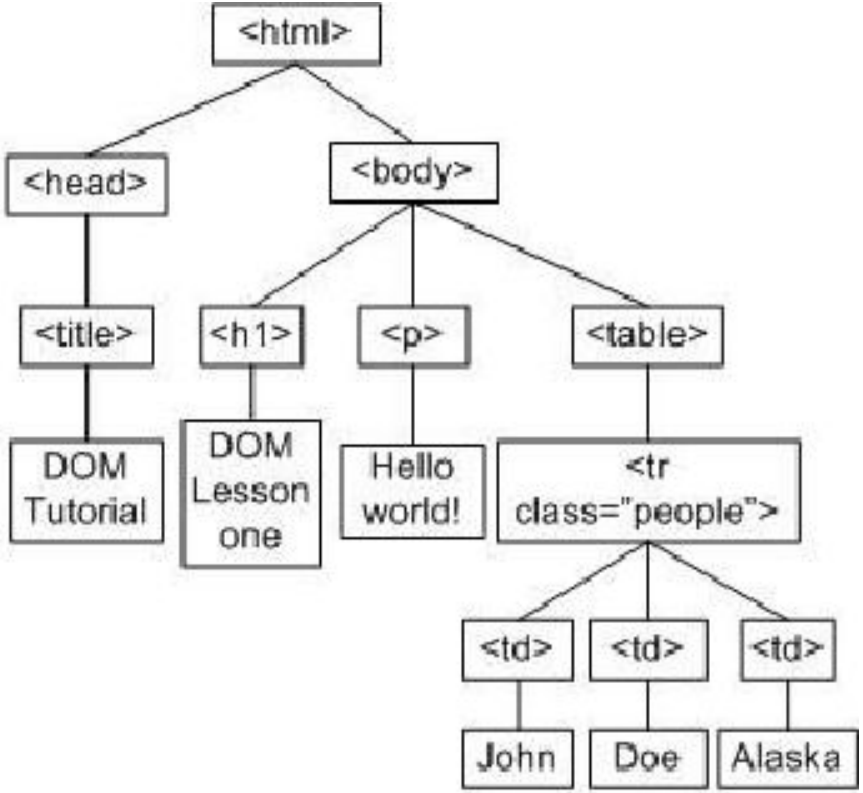
```
<html>
  <head>
    <title>DOM Tutorial</title>
  </head>
  <body>
    <h1>DOM Lesson one</h1>
    <p>Hello world!</p>
    <table>
      <tr class="people">
        <td>John</td>
        <td>Doe</td>
        <td>Alaska</td>
      </tr>
    </table>
  </body>
</html>
```

test.html



DOM Tree

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Attributes

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Semantic HTML

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```
<div id="header"></div>
<div class="section">
    <div class="article">
        <div class="figure">
            <img>
            <div class="figcaption"></div>
        </div>
    </div>
</div>
<div id="footer"></div>
```

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This will render it to look like a top level heading, but it has no semantic value, so it will not get any extra benefits as described above. It is therefore a good idea to use the right HTML element for the right job.

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HTML should be coded to represent the data that will be populated and not based on its default presentation styling. Presentation (how it should look), is the sole responsibility of CSS.

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```
<header></header>
<section>
    <article>
        <figure>
            <img>
            <figcaption></figcaption>
        </figure>
    </article>
</section>
<footer></footer>
```


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Semantic HTML benefits

- Search engines will consider its contents as important keywords to influence the page's search rankings (see SEO)
- Screen readers can use it as a signpost to help visually impaired users navigate a page
- Finding blocks of meaningful code is significantly easier than searching through endless divs with or without semantic or namespaced classes
- Suggests to the developer the type of data that will be populated

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HTML forms

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The HTML <form> element is used to create an HTML form for user input

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forms attributes

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Form attributes

- The action attribute defines the action to be performed when the form is submitted.
- The target attribute specifies where to display the response that is received after submitting the form
- The method attribute specifies the HTTP method to be used when submitting the form data.
- The novalidate attribute is a boolean attribute.

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forms elements

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Inside a form we can include any element we want. Normally we will see <input>, , <label> and <button>

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Form validation

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We can use some input attributes as restrictions to validate the forms

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Attribute	Description
checked	Specifies that an input field should be pre-selected when the page loads (for type="checkbox" or type="radio")
disabled	Specifies that an input field should be disabled
max	Specifies the maximum value for an input field
maxlength	Specifies the maximum number of character for an input field
min	Specifies the minimum value for an input field
pattern	Specifies a regular expression to check the input value against

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Attribute	Description
readonly	Specifies that an input field is read only (cannot be changed)
required	Specifies that an input field is required (must be filled out)
size	Specifies the width (in characters) of an input field
step	Specifies the legal number intervals for an input field
value	value
data-*	Custom Attributes that we can use ij our javascript code

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Browser support

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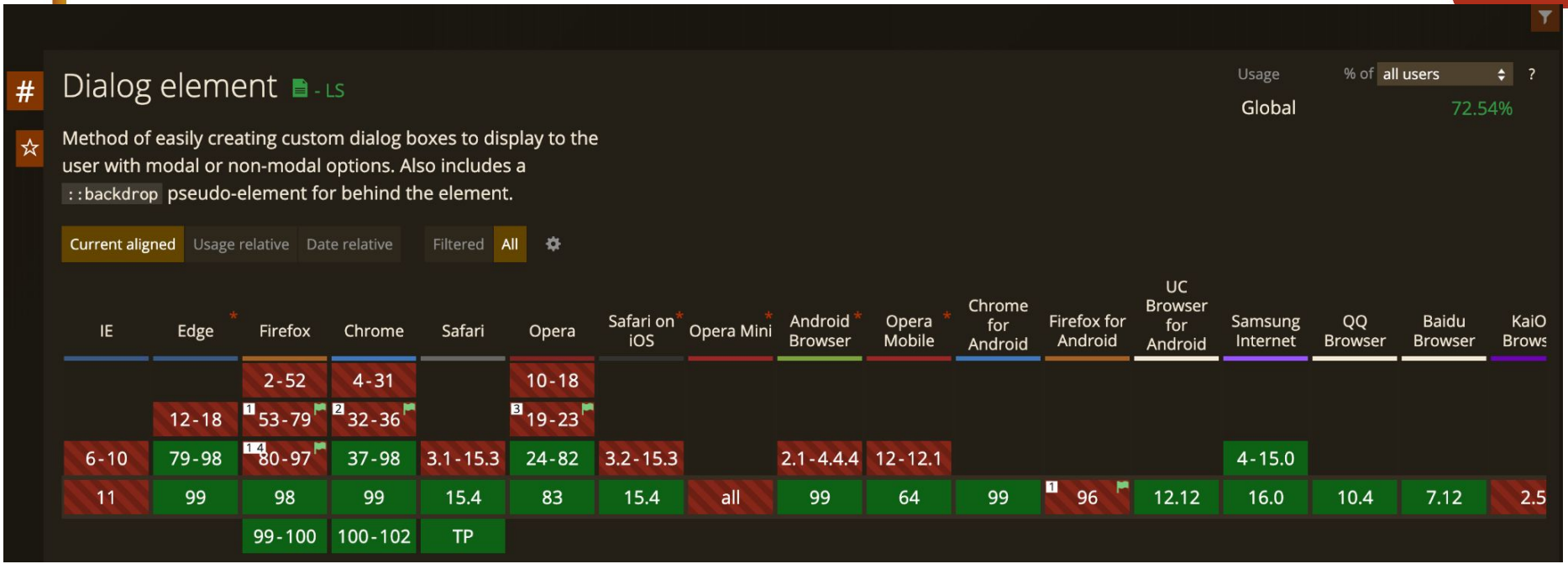

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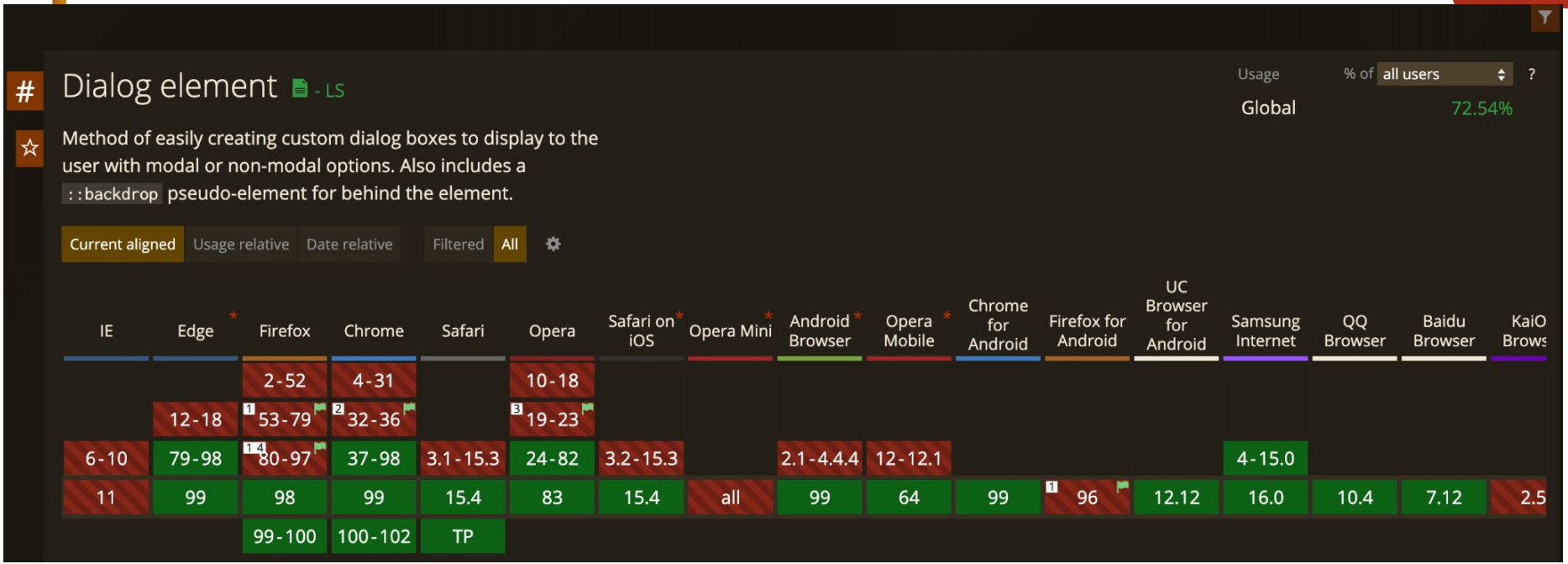

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