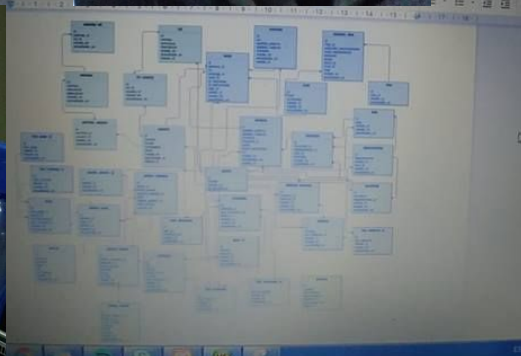
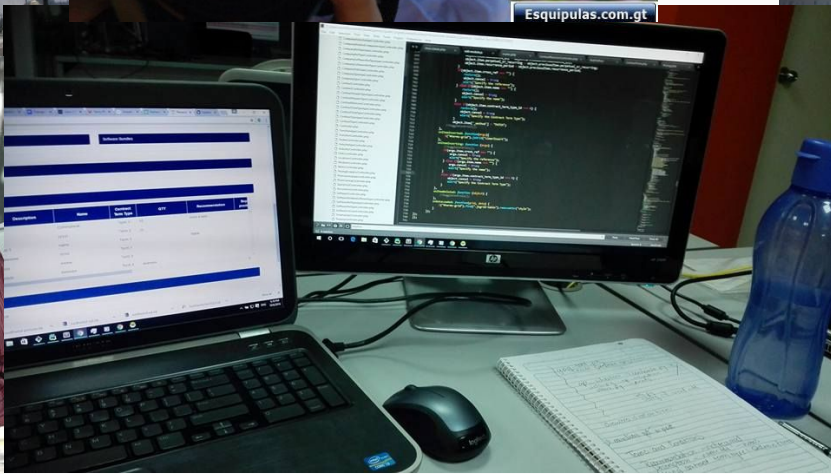


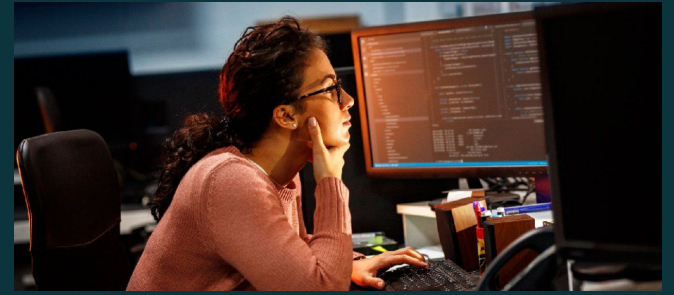
FrontEnd

Narcy Noelia Pazos
Dev Forum
Esquipulas, 2019

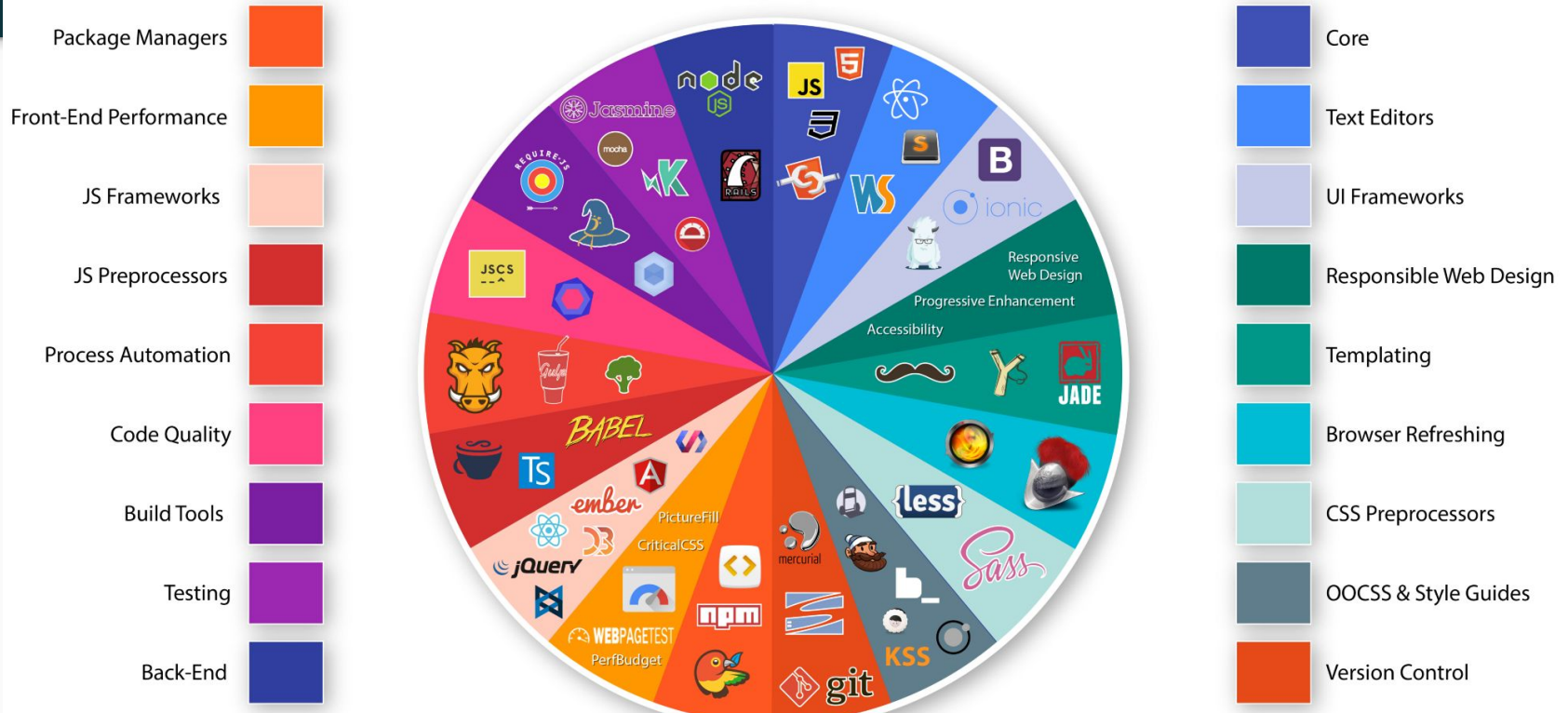


¿Quién soy?





THE FRONT-END SPECTRUM



¿Qué es frontend?



¿Dónde empezar?

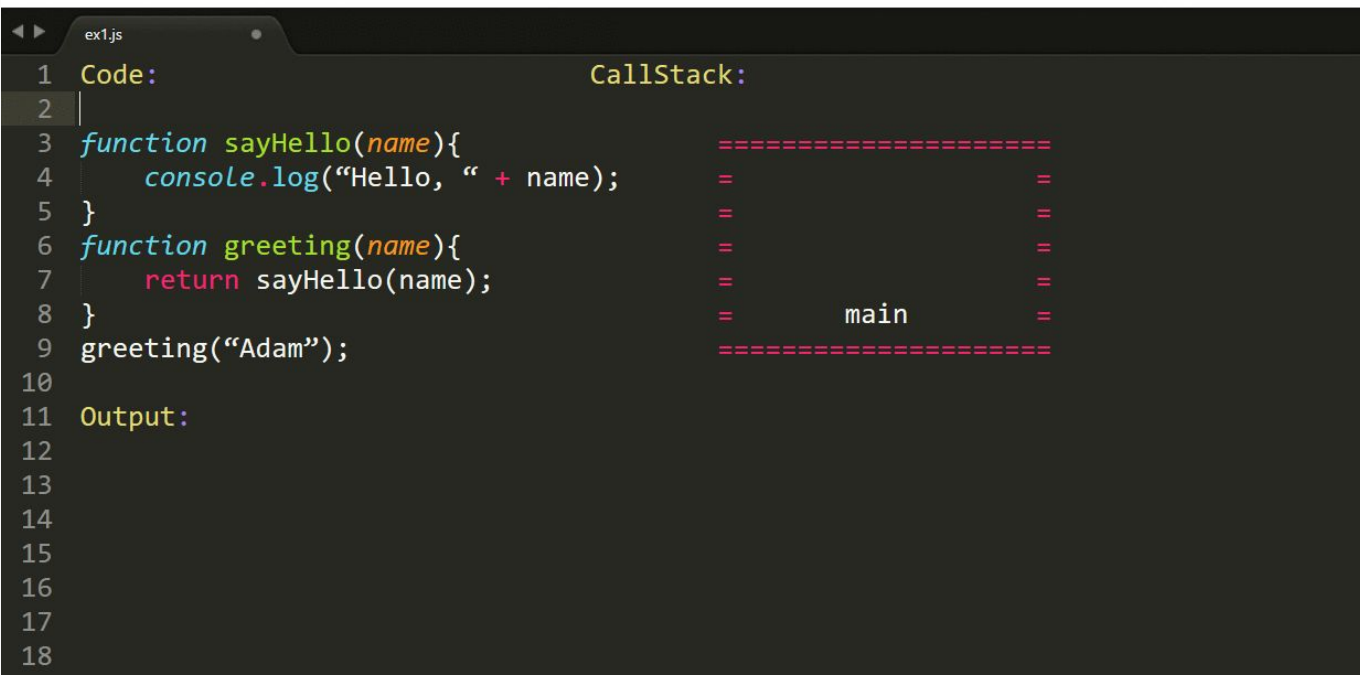
HTML



¿Dónde empezar?

JS

(1 / 10)



The screenshot shows a code editor with a file named 'ex1.js'. The code defines two functions: 'sayHello' and 'greeting'. 'sayHello' logs a message to the console. 'greeting' calls 'sayHello'. The 'greeting' function is then called with the argument 'Adam'. The call stack on the right shows the execution flow from 'main' to 'greeting' and then to 'sayHello'. The output section is empty.

```
1 Code: CallStack:
2
3 function sayHello(name){ =====
4     console.log("Hello, " + name); =
5 } =
6 function greeting(name){ =
7     return sayHello(name); =
8 } = main =
9 greeting("Adam"); =====
10
11 Output:
12
13
14
15
16
17
18
```

¿Dónde empezar?

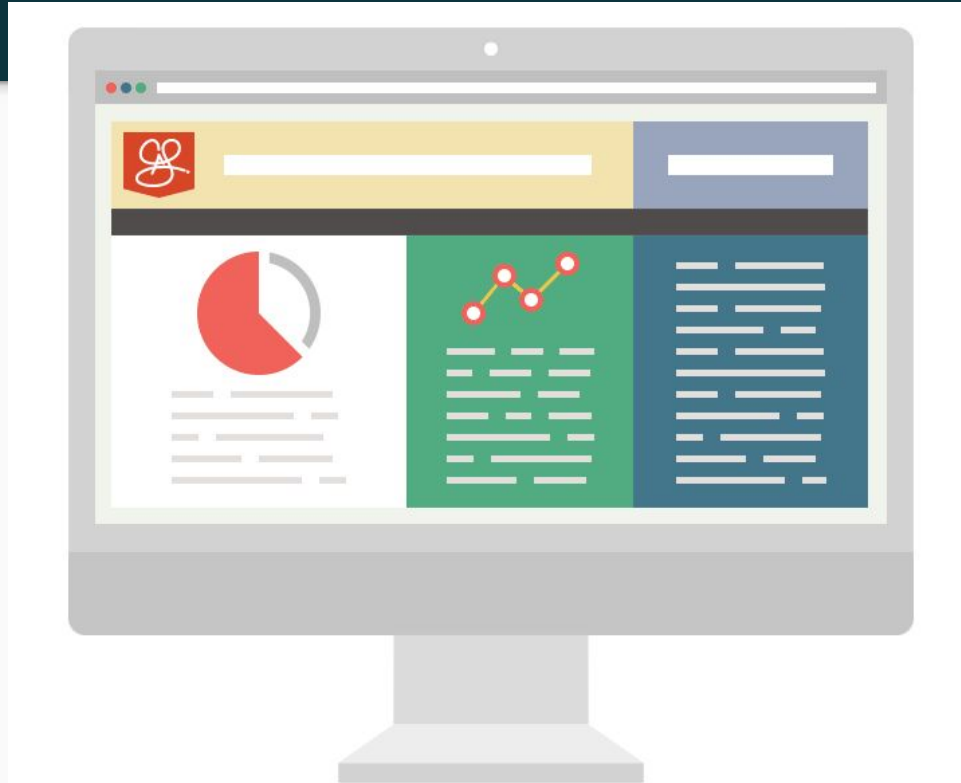
CSS



```
.vestColor{  
  fill:#449E0A;  
}  
  
.jackhammerMainColor{  
  fill:#FAA31C;  
}  
  
.pantsColor{  
  fill:#566275;  
}
```


¿Dónde empezar?

Responsive Design



¿Dónde empezar?

Developer tools

The screenshot shows a Stack Overflow page for the question "Firefox Developer Tools - Highlighting elements on hover?". The question asks if it's possible to highlight elements on hover in Firefox DevTools, similar to Chrome DevTools and Firebug. The answer, by Robert Farid Asaad, shows the HTML structure of the page and the CSS rules for the highlighted element.

Stack Overflow Header: Questions Tags Users Badges Unanswered Ask Question

Firefox Developer Tools - Highlighting elements on hover?

Is this possible? Chrome Dev Tools and Firebug both have this feature. Firefox Dev Tools only shows elements ON CLICK, but not on hover.

asked 1 hour ago
Robert Farid Asaad
6 • 1

asked today
viewed 6 times
active today

Related

- 160 .NET "must-have" development tools
- 3 JavaScript development addon for browsers
- 5 Does the Firefox Web

1 Answer

active oldest votes

Inspector

Content: <content> > div > div#mainbar > div#question.question > table > tbody > tr > td.postcell > div > div.post-text > p >

HTML Structure:

```
<td class="vote-cell"></td>
<td class="post-cell">
  <div>
    <div class="post-text" itemprop="description">
      <p></p>
    </div>
    <div class="post-taglist"></div>
    <table class="fw">
      <tbody>
        <tr>
          <td class="vt">
            <div class="post-menu"></div>
          </td>
        </tr>
      </tbody>
    </table>
  </div>
</td>
```

Rules

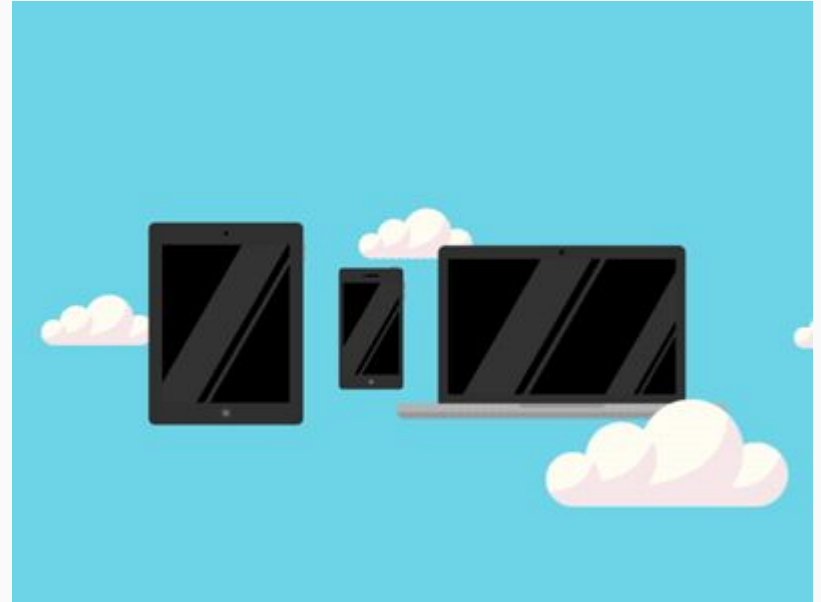
element { inline}

p { clear: both; margin-bottom: 1em; }

html, body, div, span, applet, all.css:1

object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, font, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt, var,

¿Dónde están nuestras mayores dificultades?



Frameworks de JS

1. Angular

2. React

3. Vue.js

4. Ember.js

5. Meteor

6. Mithril

7. Node.js

8. Polymer

9. Aurelia

10. Backbone.js



Frameworks de CSS

- [Bulma](#)
- [Tailwind CSS](#)
- [Bootstrap 4](#)
- [Semantic UI](#)
- [Foundation](#)
- [Materialize CSS](#)

BEST CSS FRAMEWORKS



Pure



MDB



Buenas prácticas - Minificar recursos

JS - UglifyJS

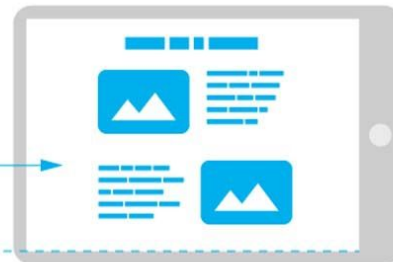
CSS - CSSNano y csso.

HTML - HTMLMinifier

```
1 |:link,:visited{text-decoration:none;}:focus,:active{outline:0;};ul,ol{list-style
0 11px;}.ad-banner-center-split{background:url(..images/dot.gif) repeat-x;text
:italic;padding:10px 10px 2px;}.#feature img{float:left;margin:0 20px 0 0;}.#feat
ize:1.1em;margin:0 0 4px;}.date{background:#fff;padding:5px 0;border-right:1px
m{background:url(..images/box.gif) no-repeat bottom;padding:2px 0;}.item{font-
rder-top:1px dotted #666;}.ad-footer img{margin:0 auto;display:block;padding:0;
;}.#top-right-tabbed-nav-container #tab-content-container #support-container{fon
#compressor-tab-container #compressor-tab-content-container #instructions-conta
sor-tab-container #compressor-tab-menu-container li a:hover{color:#071F2D;backg
fff;padding:5px 0;border-right:1px solid #D3EAF4;border-bottom:1px solid #D3EAF
ver{background:#fff url(..images/item.gif) no-repeat bottom;color:#fff;}.item-
ackground:#505050 url(..images/footer.gif) no-repeat right top;color:#ccc;padd
-transparent url(/images/icons-normal.png) no-repeat scroll 0 -48px;padding:0 0
```


Buenas prácticas - Lazy Load

LOAD FOR INITIAL VIEW



LOAD WHEN VISIBLE



Buenas prácticas - No ensuciar el scope global

```
<script>
  //JavaScript has two levels of scope: Global and funct
  var age = 55;

  alert("Global age: " + age);

  function loopFunction() {
    var age;
    //Age scoped to function
    for (age = 0; age < 5; age++) {

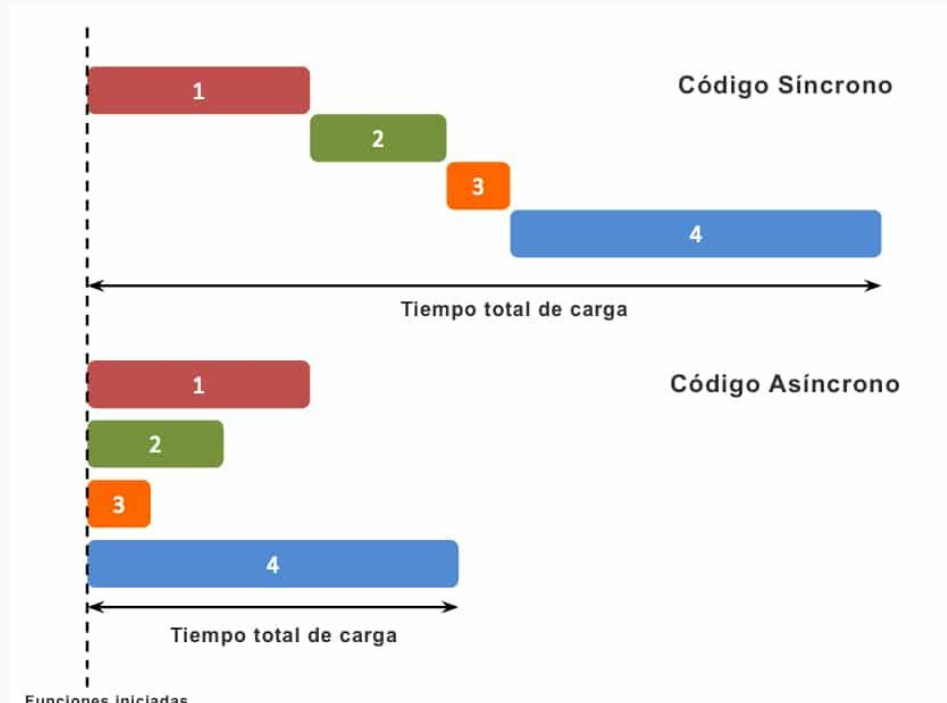
    }
    alert("Age in function: " + age)
  }

  loopFunction();
```

Global Scope

Function Scope

Buenas prácticas - Cargar JS no indispensable de forma asíncrona




Buenas prácticas - Usar preprocesadores



Buenas prácticas - Compatibilidad

XMLHttpRequest advanced features - LS

Usage

% of all users  ?

Global

92.86% + 3.36% = 96.22%

Adds more functionality to XHR (aka AJAX) requests like file uploads, transfer progress information and the ability to send form data. Previously known as **XMLHttpRequest Level 2**, these features now appear simply in the XMLHttpRequest spec.

Current aligned	Usage relative	Date relative	Apply filters	Show all	?										
IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	BlackBerry Browser	Opera Mobile *	Chrome for Android	Firefox for Android	IE Mobile	UC Browser for Android	
		2-3													
		1 2 3 3.5-5	4-6	3.1-4	10-11.5	3.2-4.3		2.1-2.3							
		1 2 6-9	1 2 7-28	1 2 5-6	12.1	5-6.1		1 2 3 3-4.3							
6-9		2 10-11	1 29-30	1 6.1-7	1 15-17	1 7.1									
1 1 10	12-17	12-65	31-72	7.1-11.1	18-57	8-11.4							1 10		
1 11	18	66	73	12	58	12.1	all	X Not supported				64	1 11	11.8	
		67-68	74-76	12.1-TP		12.2									

Opera Mini

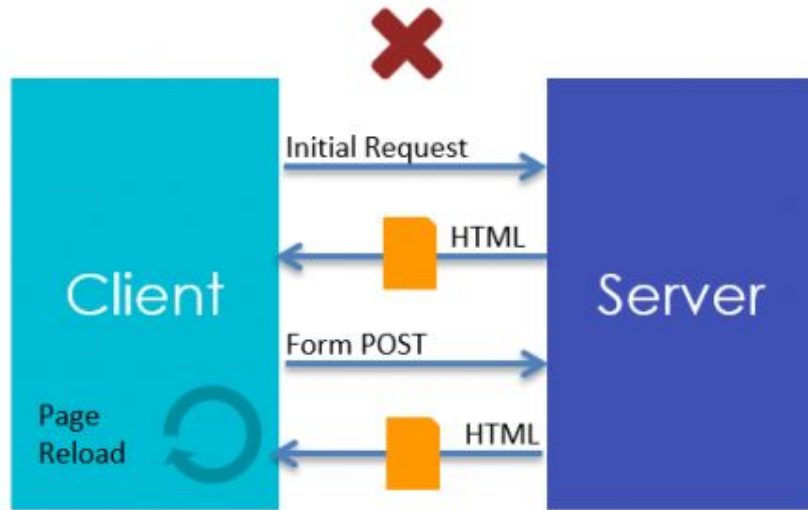
Support info

Browser version

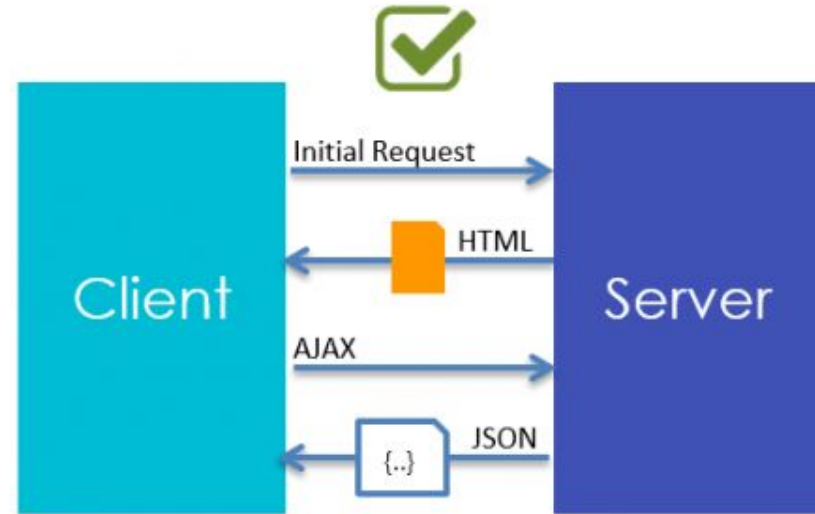
Usage

Global: **1.73%**

Single Page Applications



Traditional Page Lifecycle



SPA Lifecycle

Seguridad - Client XSS

