

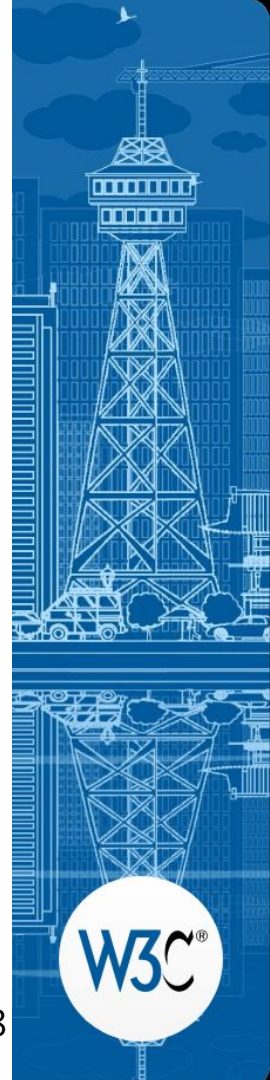
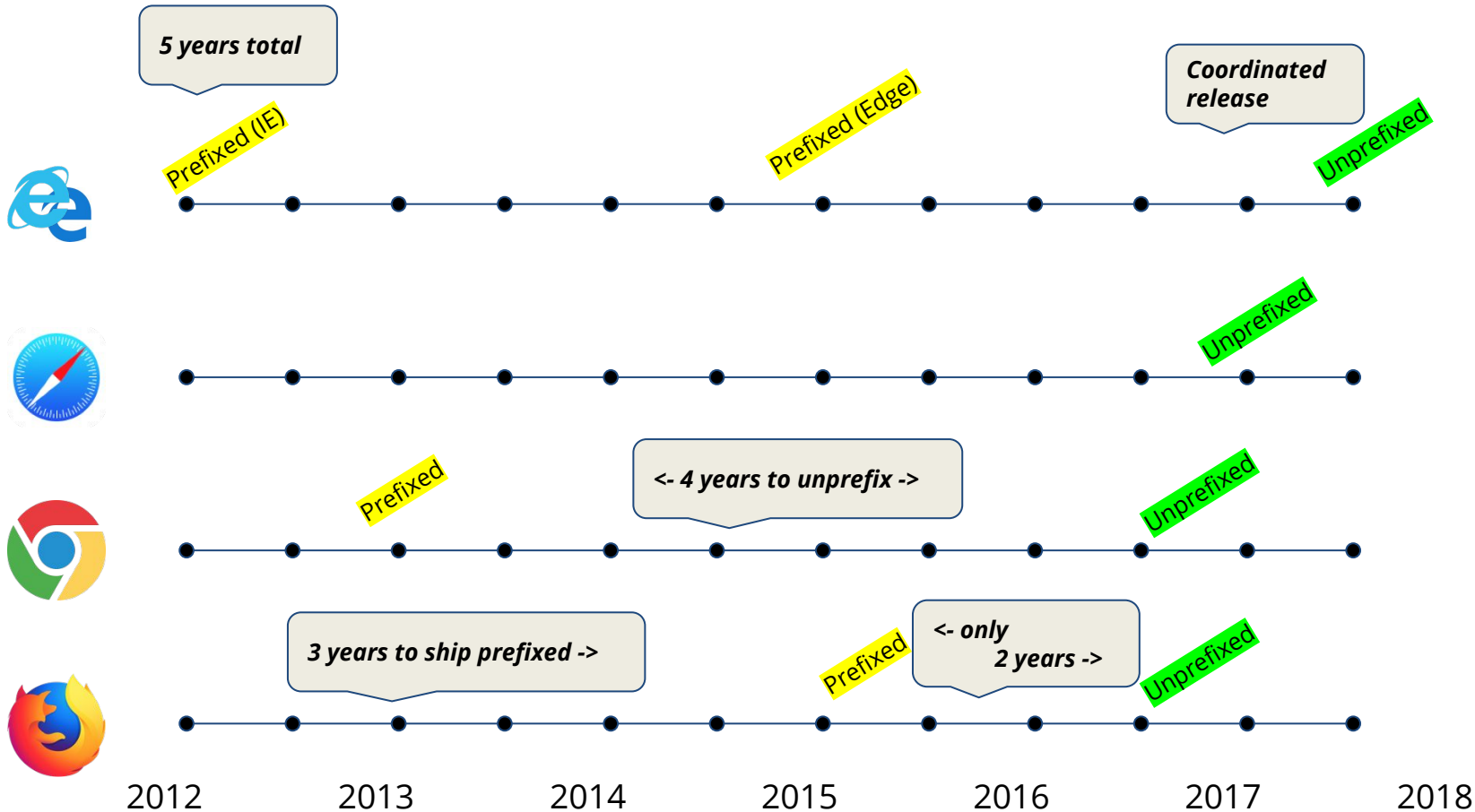
MDN Web Developer Needs Assessment

Kadir Topal

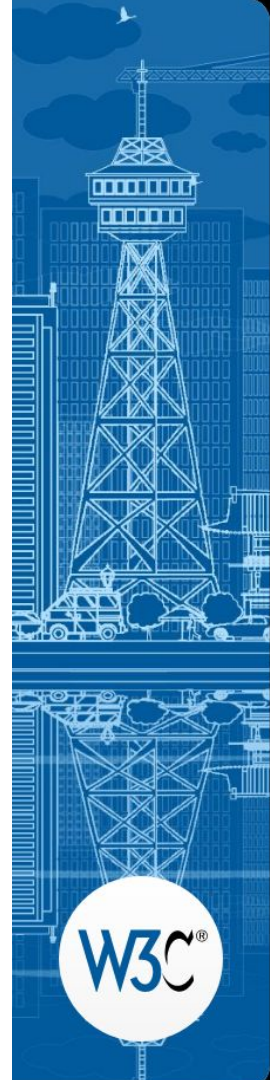
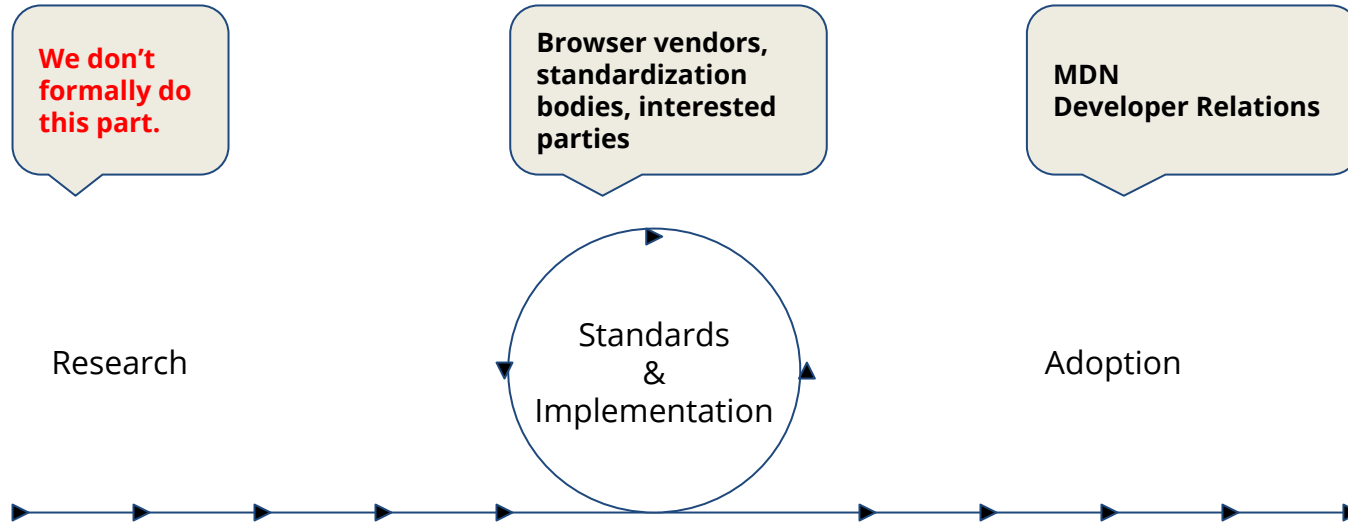
The W3C logo is a white circle containing the text 'W3C' in a blue, sans-serif font. The background of the slide features a blue-toned architectural illustration of a tall lattice tower, possibly a radio tower, with various structural elements and a small vehicle at its base. The W3C logo is positioned in the bottom right corner of the slide.

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The Case of CSS Grid



Web Platform Lifecycle



Interviews of Lifecycle Participants

“We haven’t tried formal research”

“Nobody can keep up.”

“Someone filed a bug.”

“It’s all ad-hoc.”

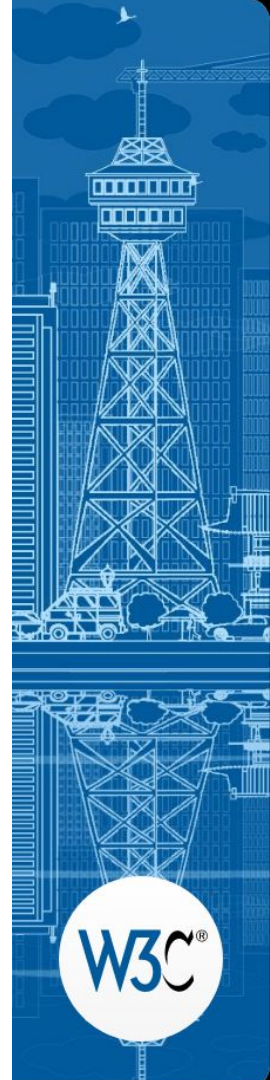
“Well, it’s partially based on guesses”

“All ears at this point”

“The process is anarchistic, amorphous.”

“We need to hear the voice of developers.”

“Success is when devs stop complaining.”

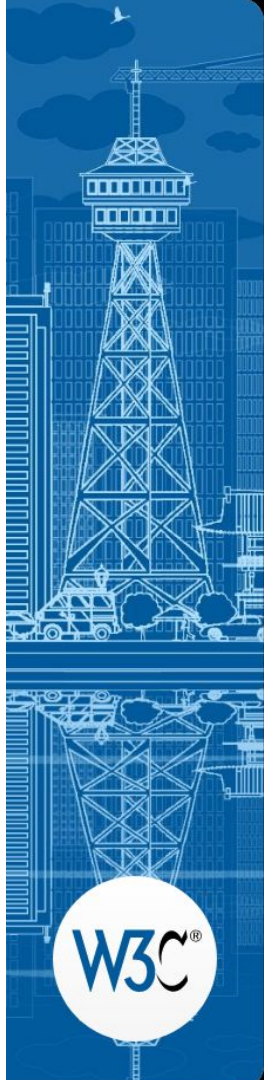


Developer Needs Assessment

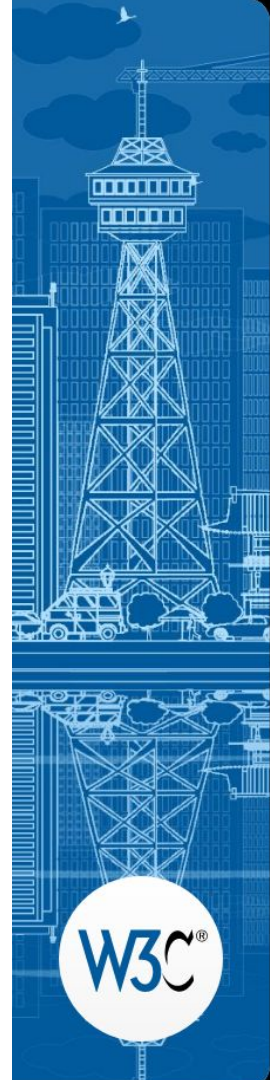
*Prioritized list of web designer and
developer needs*

Published on MDN

*Reproduced annually, tracking changes
over time*

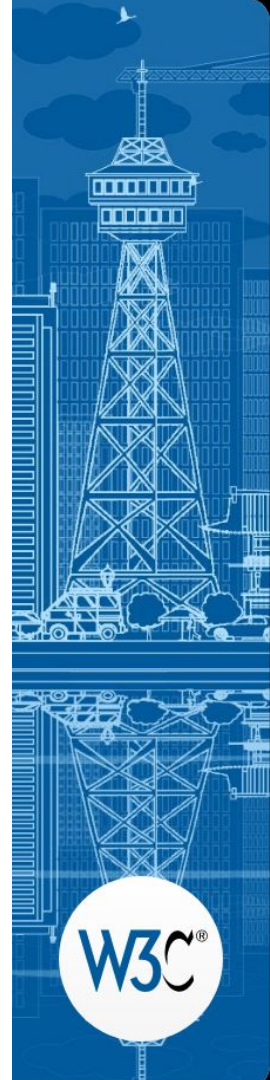


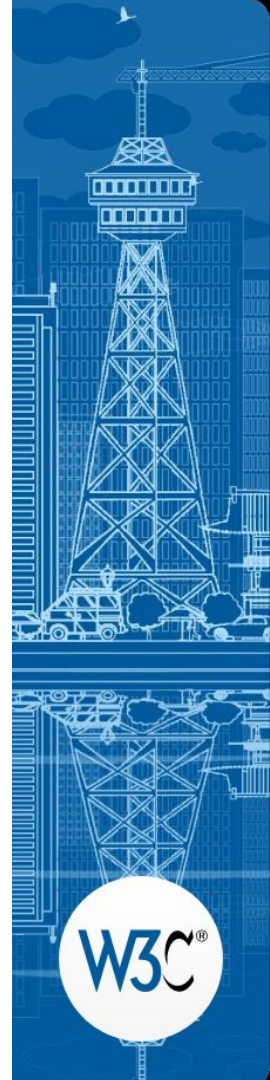
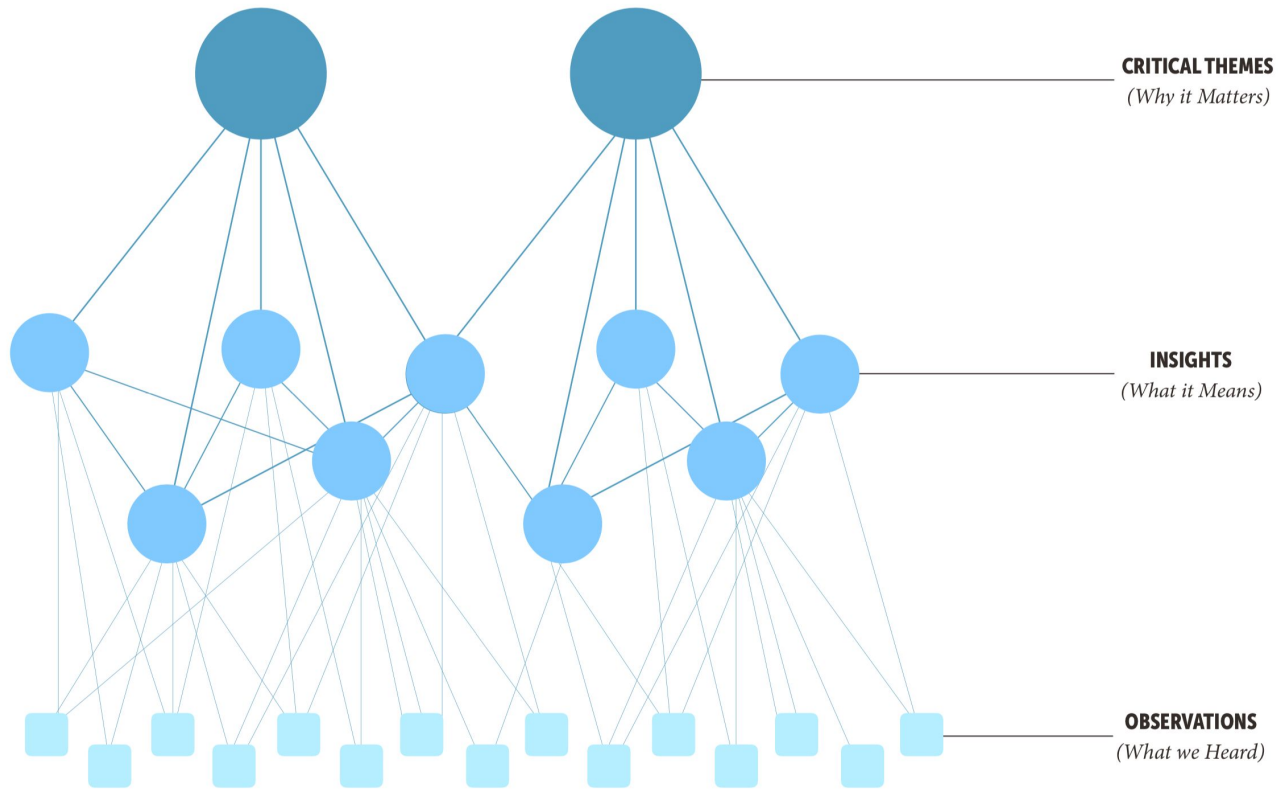
THE VOICE OF DESIGNERS AND DEVELOPERS WORKING ON THE WEB



W3C®

January 2019





Transcribing

The screenshot displays the Otter.ai web interface. On the left, a sidebar shows navigation options: 'My Conversations', 'Shared with Me', 'GROUPS', 'FOLDERS', and 'All Conversations'. The main area shows a folder named 'MZ2985 - Web Developer Needs Assessment ...'. A list of voice notes is visible, with the selected one being '6001 - [redacted]_Pixel Recording.mp3' from Friday, 3/22 at 5:21 PM, with a duration of 1:01:30.

The transcription window for this recording is open, showing the following content:

6001 - [redacted]_Pixel Recording.mp3
Fri, 3/22 - 5:21 PM 1:01:30

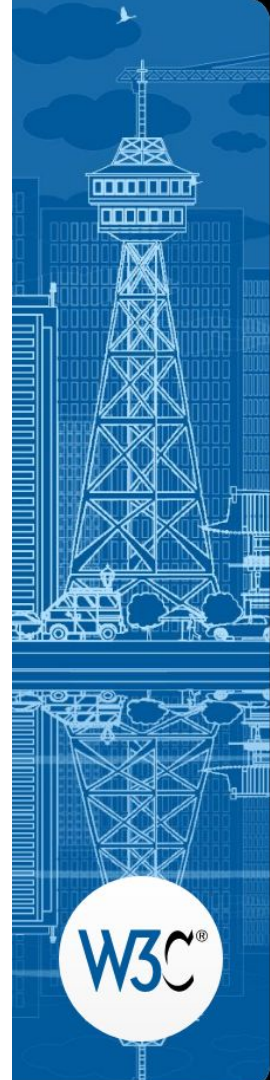
SUMMARY KEYWORDS
people | case | website | thinking | browser | question | gotcha | important | change | bit | documentation | pretty | feel | talk | tools | guess | boot camp | exists | web developer | credential

0:00
Okay, I'm not sure about that. I can. Good.

0:05
So for the next hour, I want to talk to you more about who you are as a web developer. And then I've got a couple activities I'd like to run through with you. And then just a couple of wrap up questions.

0:18
Yeah, sure. We'll see how it goes.

Allison McKeever 0:20
Okay. So I know on the survey that you mentioned, you are a web developer, and you've been working as a web developer for a little less than a year. So I'm wondering if you could talk to me more about what that means to you and how you got into the work and what type of work that you do? Yeah,



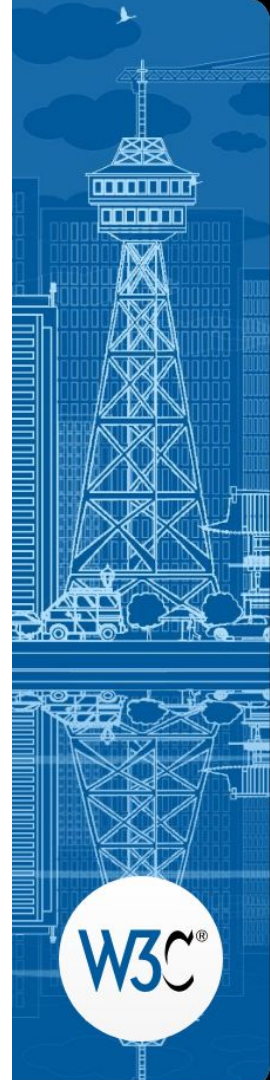
Coding

I guess, to pivot to browser compatibility to just feel like something is simple enough to where, it shouldn't render differently in Edge, but it does. That's kind of the big one, especially because oil and gas industry, most people aren't very technically inclined. And so you know, if there was a case where, well, the specific case will be very long to explain the long, long story short, there's like a beautiful sidebar, that I wanted to be very, very pretty. And it was very pretty on everything, that edge where it just wouldn't work. And I had to, I couldn't figure out why it wasn't sliding over from the left side correctly. I can't remember what the fix was. But it was just, you know, one of those cases where I had to do something completely differently for edge, which my brother who's the web developer himself talks about all the time. So that's

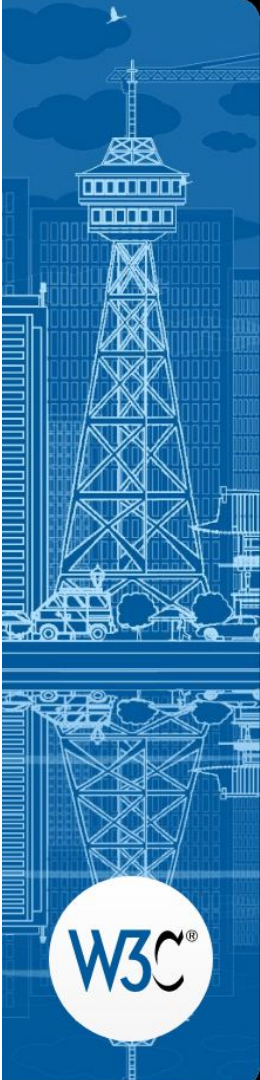
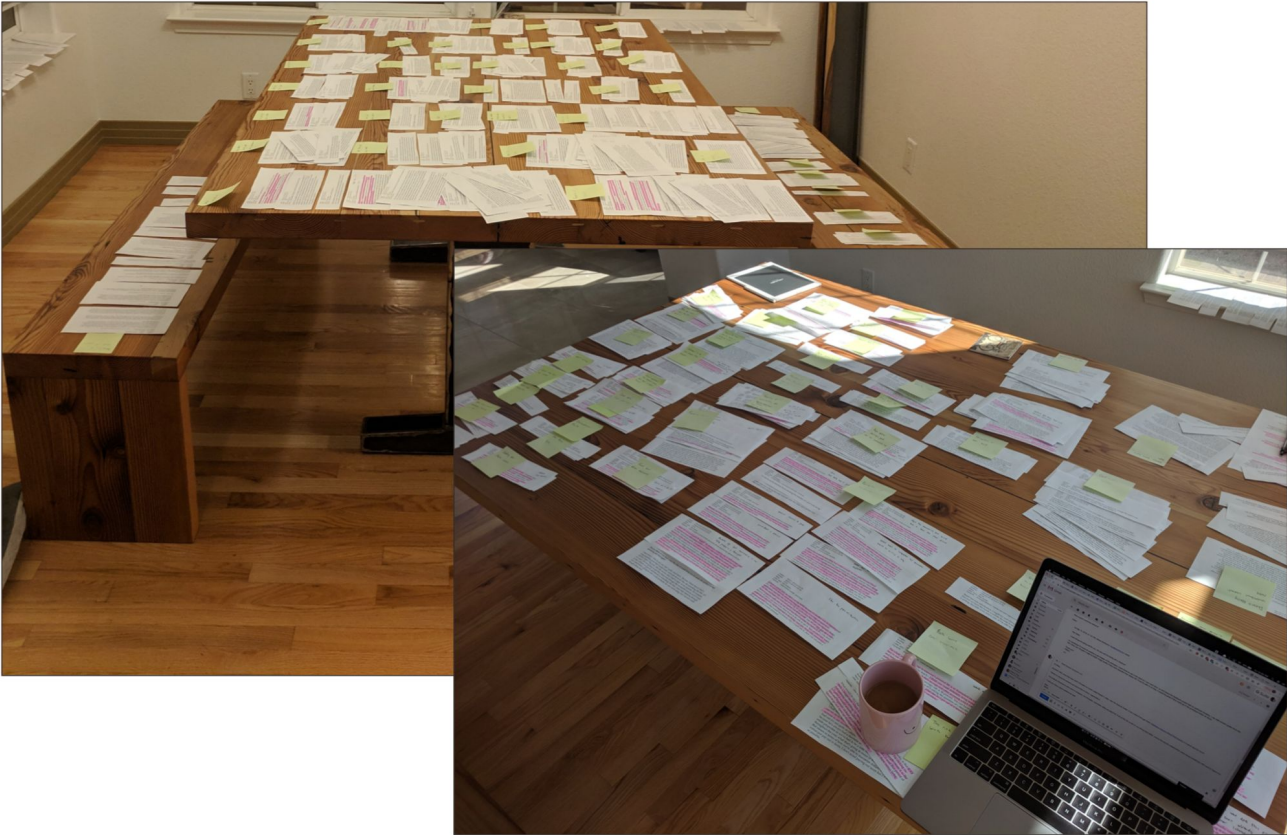
Keywords (All Words)

- untitled document
- trends, but yeah, and they come...
- I'm not because I don't want to b...
- Um, this is especially true at my L...
- I really wanted to get into, like, D...
- documentation? I guess like kno...
- documentation, particularly whe...
- security is very important for any...
- Okay. As for DevOps again, so I r...
- Oh, good performance. Again, fo...
- in case of deployment, in case of...
- debugging is a never ending proc...
- browser compatibility I don't kno...
- trends are not very important for...
- I think UX is one of the most imp...
- One important thing is what to le...
- JavaScript, in JavaScript, you ha...
- But also, it's really important for...
- sometimes I think it's possible, it'...
- I don't, I don't know really much a...
- And also sometimes
- I think the most difficult thing is
- Nothing stops me, I can do it act...
- is not frustration in the sense of...
- yeah, sometimes localization can...
- performance
- Untitled Document
- Ops things are moving so quickly...
- pace of a pace of change. This is...
- I guess, to pivot to browser comp...
- browser compatibility. Also, beca...
- because the fundamentals about...
- security here, security, super imp...
- This is the most frustrating from...
- so for us the impact it has, we ha...
- Accessibility this is this is so imp...
- makes me think of how to handle...

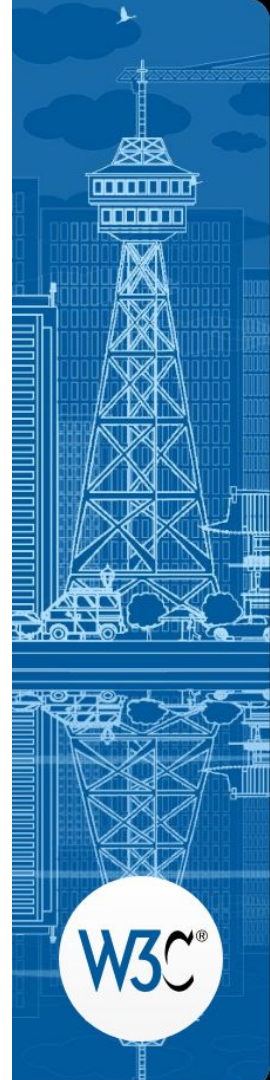
100% 166 words No Label No Status



Bucketing



July 2019





JSON.stringify()

Languages

Edit

Jump to: [Syntax](#) [Description](#) [Specifications](#) [Browser compatibility](#) [See also](#)[Web technology for developers](#) >[JavaScript](#) > [JavaScript reference](#) >[Standard built-in objects](#) > [JSON](#) >

JSON.stringify()

Related Topics

Standard built-in objects

JSON

Methods

[JSON.parse\(\)](#)[JSON.stringify\(\)](#)

Inheritance:

The **JSON.stringify()** method converts a JavaScript object or value to a JSON string, optionally replacing values if a replacer function is specified or optionally including only the specified properties if a replacer array is specified.



JavaScript Demo: JSON.stringify()

```
1 console.log(JSON.stringify({ x: 5, y: 6 }));
2 // expected output: '{"x":5,"y":6}'
3
4 console.log(JSON.stringify([new Number(3), new String('false'), new Boolean(false)]));
5 // expected output: '[3,"false",false]'
6
7 console.log(JSON.stringify({ x: [10, undefined, function() {}, Symbol('')] }));
8 // expected output: '{"x":[10,null,null,null]}'
9
10 console.log(JSON.stringify(new Date(2006, 0, 2, 15, 4, 5)));
11 // expected output: '"2006-01-02T15:04:05.000Z"'
12
```



MDN Survey

Help us understand the top 10 needs of Web developers and designers.

Take the survey



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JSON.stringify()



言語



編集

ジャンプ先: [構文](#) [説明](#) [仕様策定状況](#) [ブラウザ実装状況](#) [関連情報](#)[開発者向けのウェブ技術](#) >[JavaScript](#) >[JavaScript リファレンス](#) >[標準ビルトインオブジェクト](#) >[JSON](#) > [JSON.stringify\(\)](#)[関連トピック](#)[Standard built-in objects](#)[JSON](#)[メソッド](#)[JSON.parse\(\)](#)[JSON.stringify\(\)](#)

JSON.stringify() メソッドはある JavaScript の値を JSON 文字列に変換します。置き換え関数を指定して値を置き換えたり、置き換え配列を指定して指定されたプロパティのみを含むようにしたりすることができます。



JavaScript Demo: JSON.stringify()

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12
```



MDN アンケート

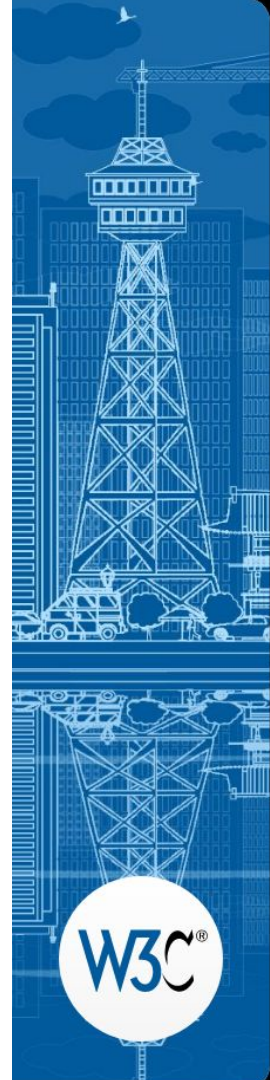
ウェブ開発者・ウェブデザイナーのニーズトップ 10 の把握にご協力ください。

[アンケートに答える](#)

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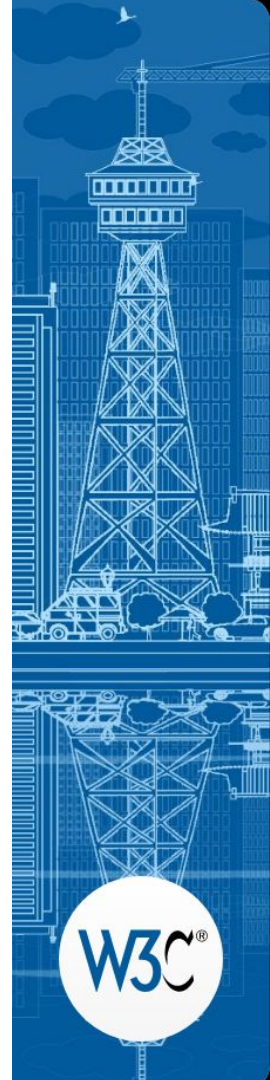
The MDN Web DNA

- Localized into 8 languages: Arabic, Chinese (zh-CN) , English, French, Japanese, Korean, Portuguese (pt-BR), Russian, Spanish
- Fielded in July 2019 for four weeks (July 16 to August 14)
- 76,118 responses
- 28,475 completes
- 173 countries
- Almost 10,000 hours of developer time

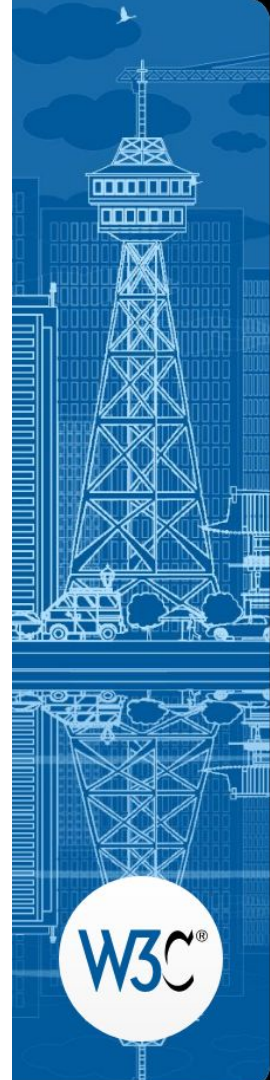


Sample Questions

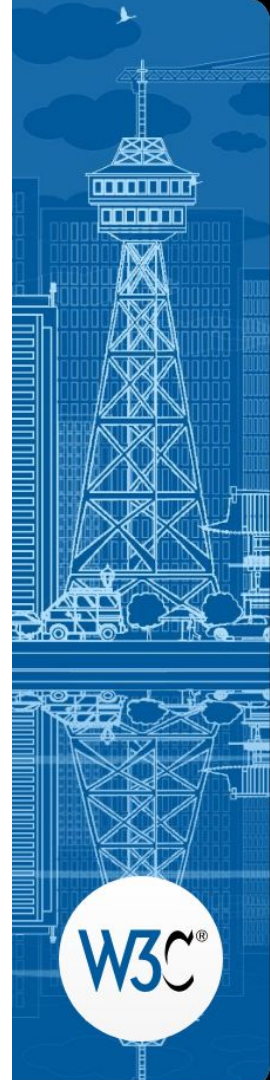
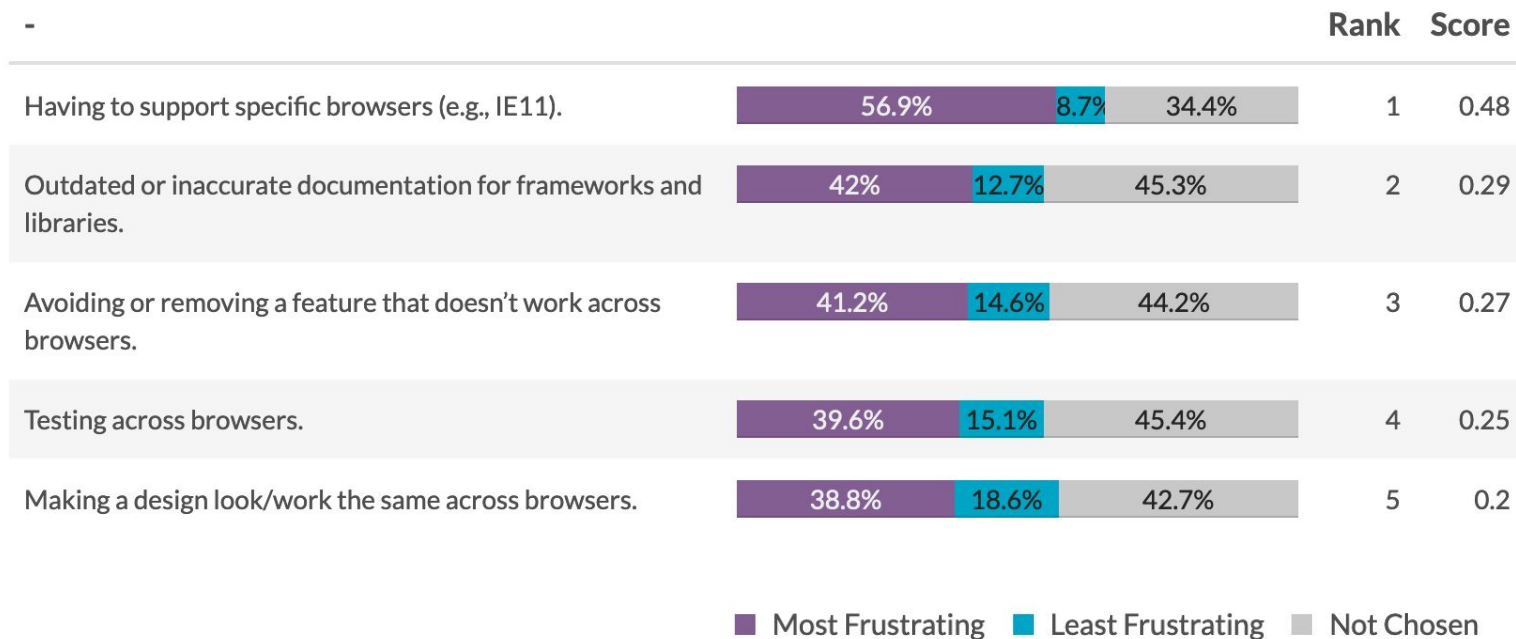
- How would you rate your overall satisfaction with the Web, as a platform and set of tools, to enable you to build what you need or want?
- What are things that you would like to be able to do on the Web but lack web platform features to do?
- What are the biggest pain points for you when it comes to JavaScript development?



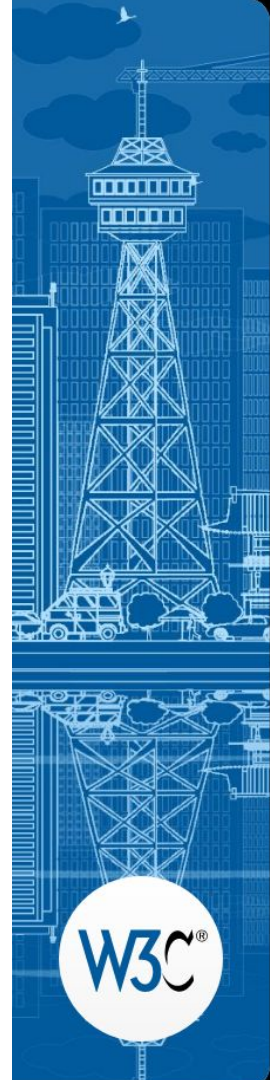
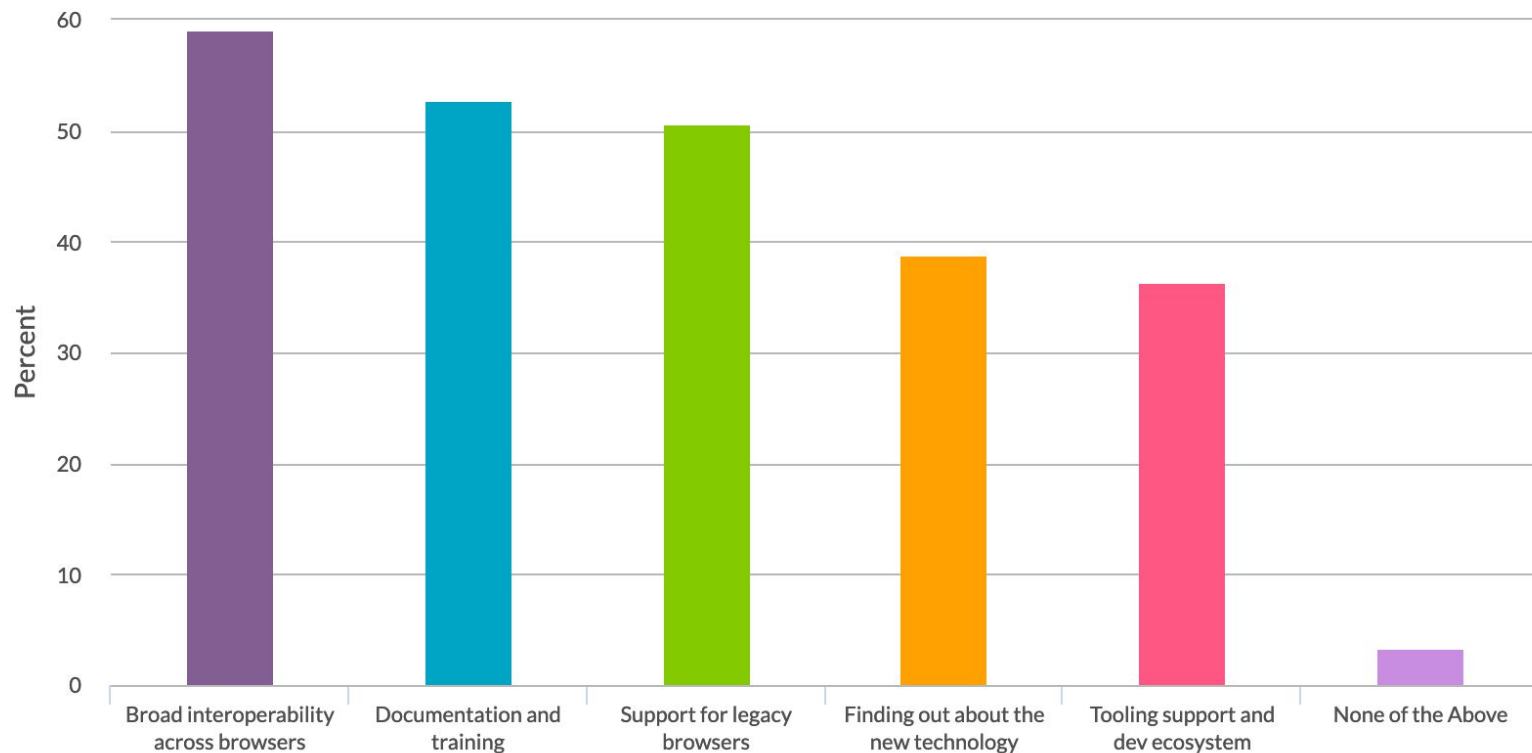
Sample Results



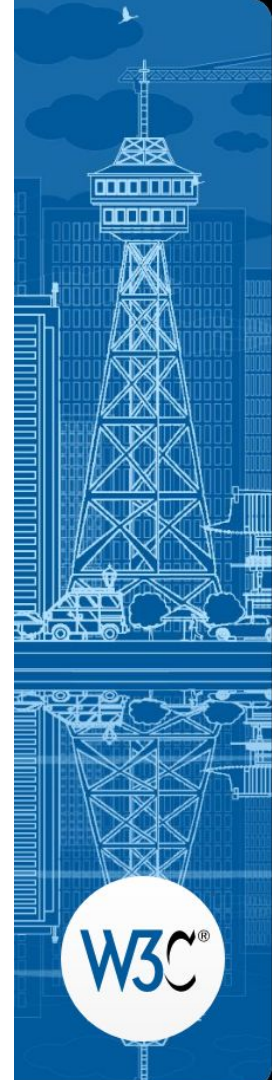
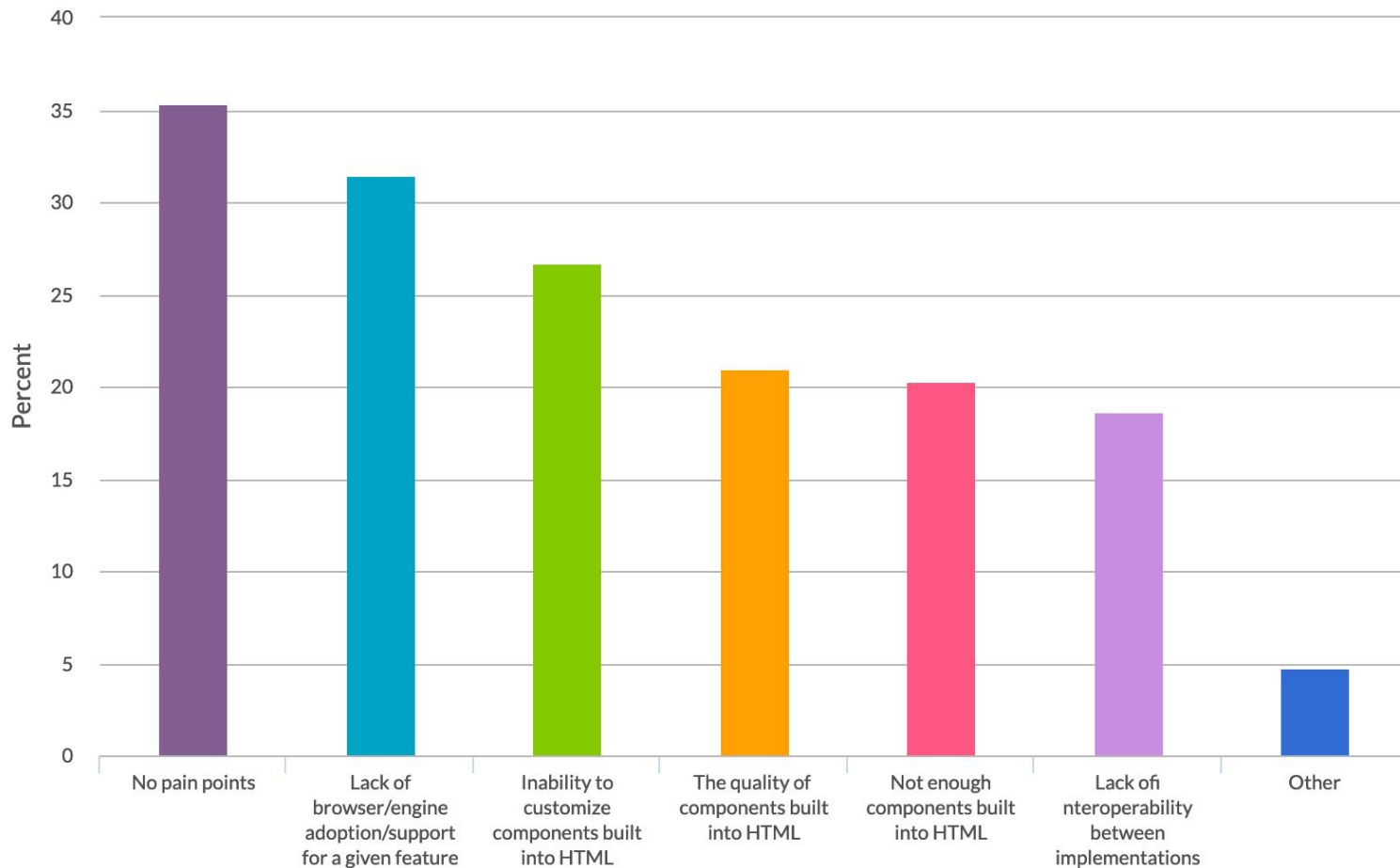
1. We want to learn about things that cause you frustration when you're developing for the web. You'll be shown twelve sets of four items. For each set pick one item that causes you the least frustration and one item that causes you the most frustration. Items will be repeated within sets.



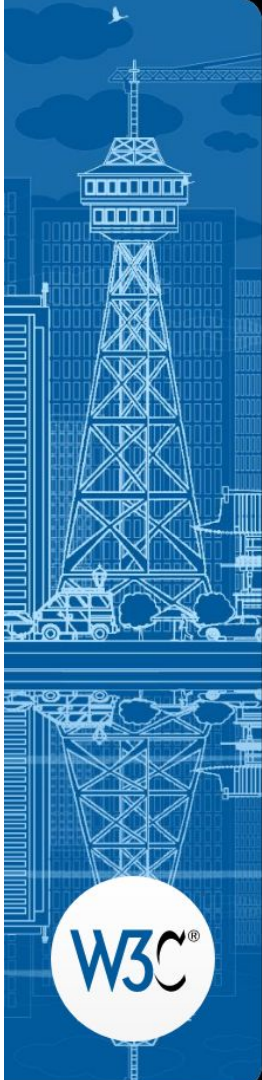
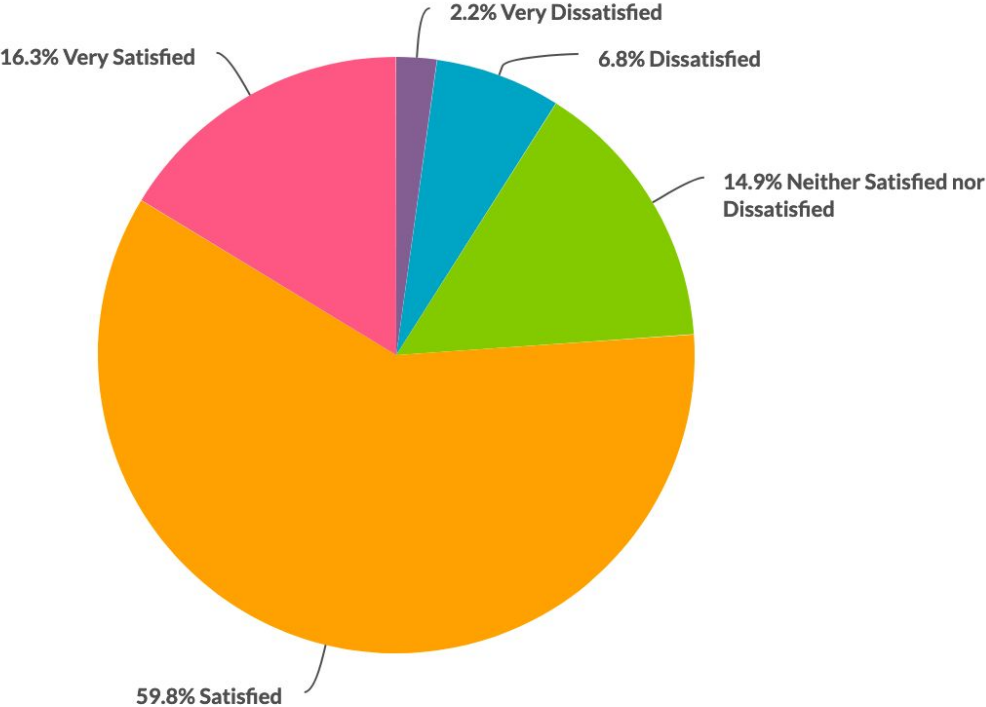
21. When a new web technology relevant to your needs becomes available, what are the main barriers to adoption? Select all that apply.



25. What are the biggest pain points for you when it comes to HTML development? Select all that apply.

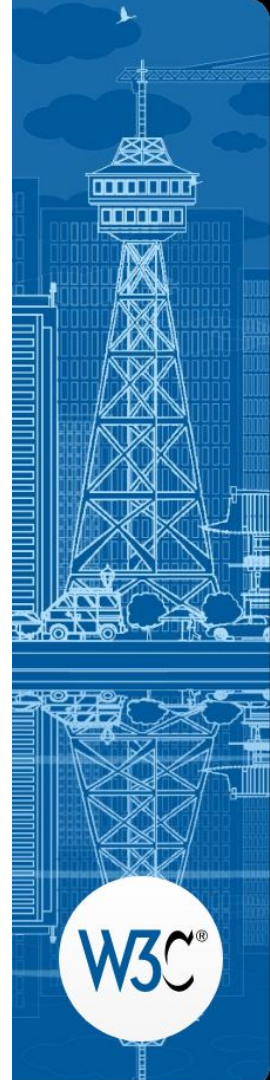


10. How would you rate your overall satisfaction with the Web, as a platform and set of tools, to enable you to build what you need or want?



Next Iteration

- Report for first iteration in November 2019
- Second iteration starts in March 2020
- Fielding starts May 2020
- Results will be published in September 2020



Prioritized List of Needs

Goal: Single and simple tool for harsh prioritization representing diverse populations and a huge feature space.

- You are the target audience
- How useful is that for you?
- What level of granularity?

