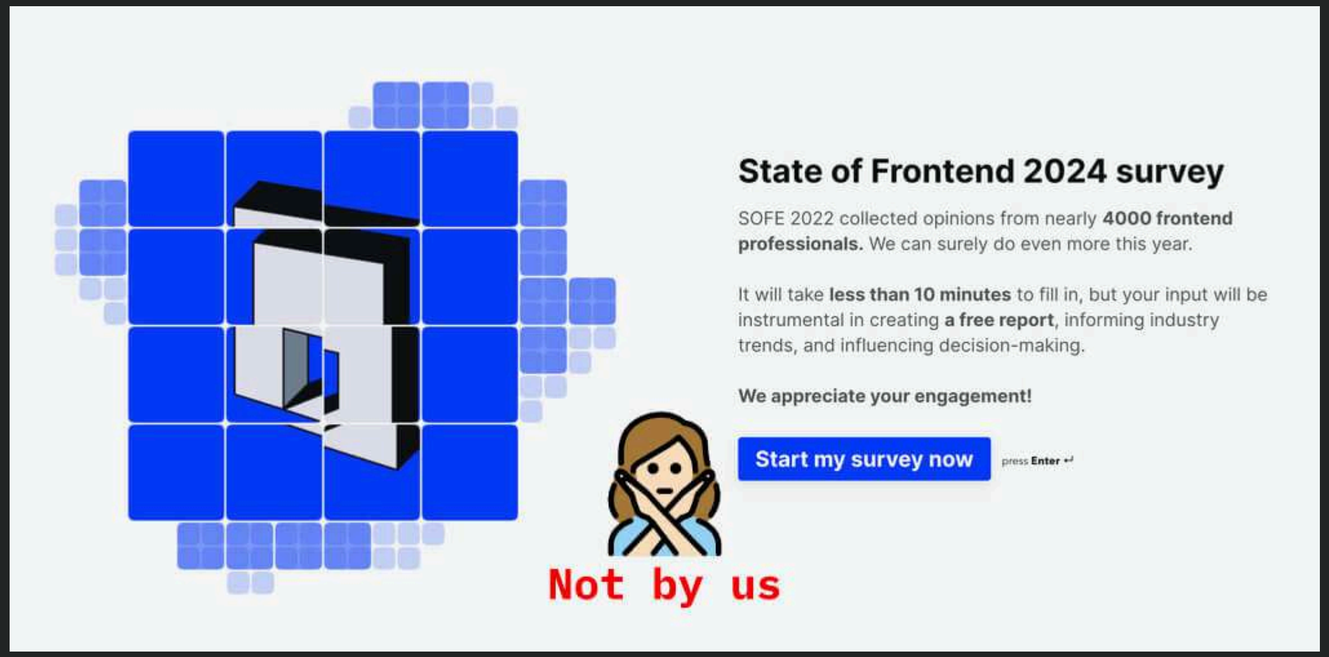
rk a k Wl rk ke Pa lW S

By Chen Hui Jing / @hj_chen


State of Frontend 2024 survey
SOFE 2022 collected opinions from nearly 4000 frontend professionals. We can surely do even more this year.
It will take less than 10 minutes to fill in, but your input will be instrumental in creating a free report, informing industry trends, and influencing decision-making.
We appreciate your engagement!
Start my survey now
press Enter
Not by us

STATE OF ORIGIN
LIVE & LOUD AT THE DUKE
GAME 1:
Wed 5th June
GAME 3:
Wed 17th July
Not by us

devographics

https://www.devographics.com

Alexey Pyltsyn

Chris Kirk-Nielsen

Eric Burel

Kilian Valkhof

Philip Jägenstedt

Raphaël Benitte

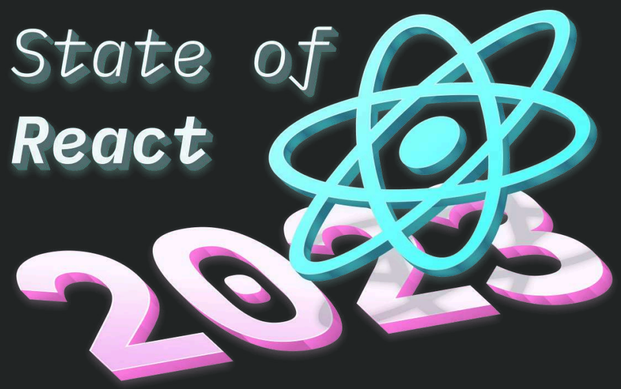
Sacha Greif

Sarah Fossheim

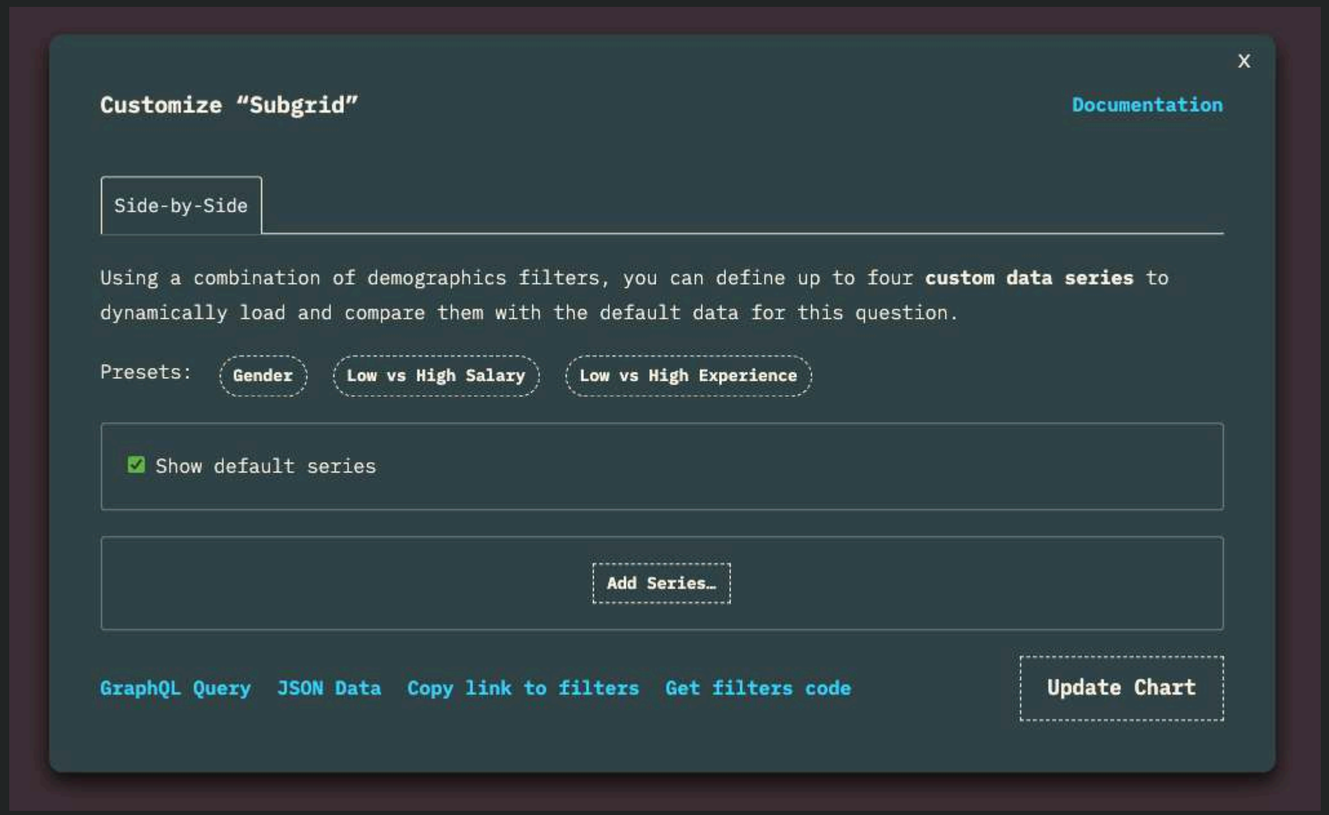
STATE OF
2023

STATE OF
CSS
2023

State of
GraphQL
2022

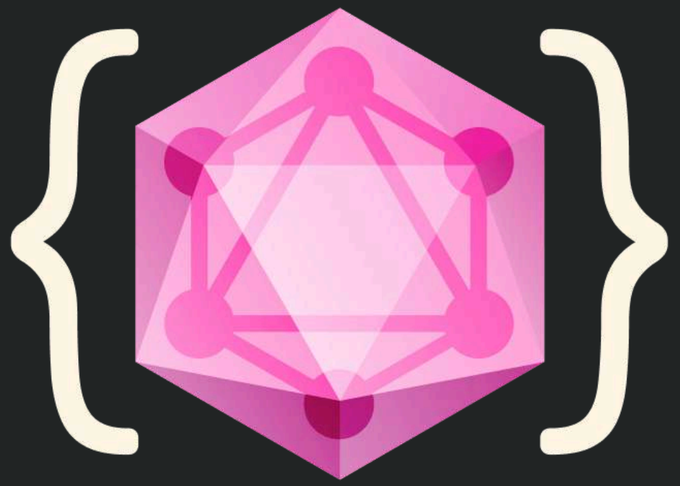

State of
React
2023

STATE OF
HTML
2023

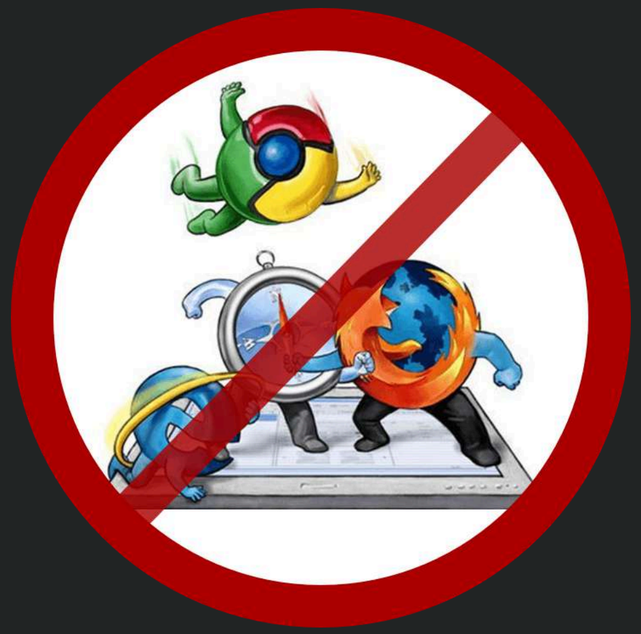


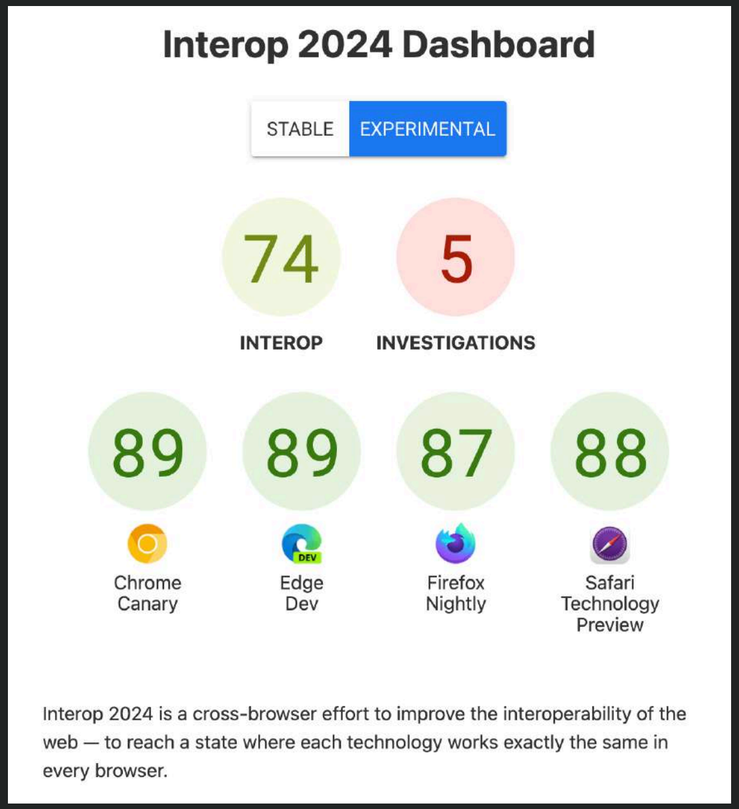
Join us on Discord.

Check out the code on GitHub.



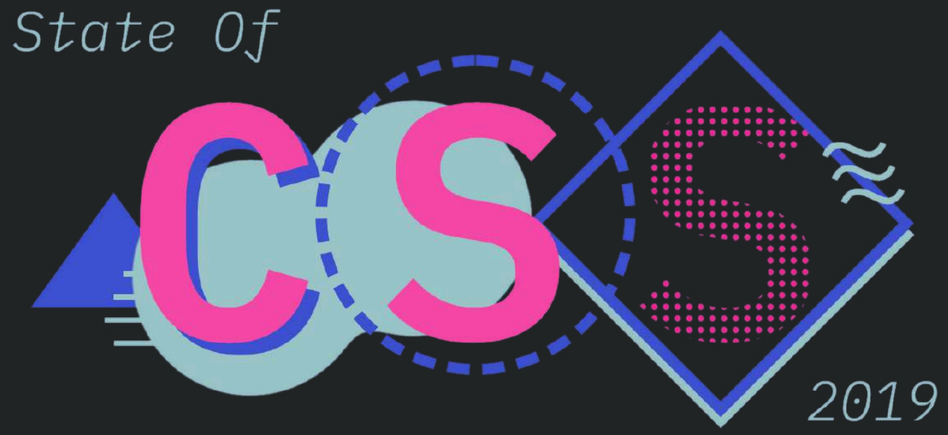
State of GraphQL 2022

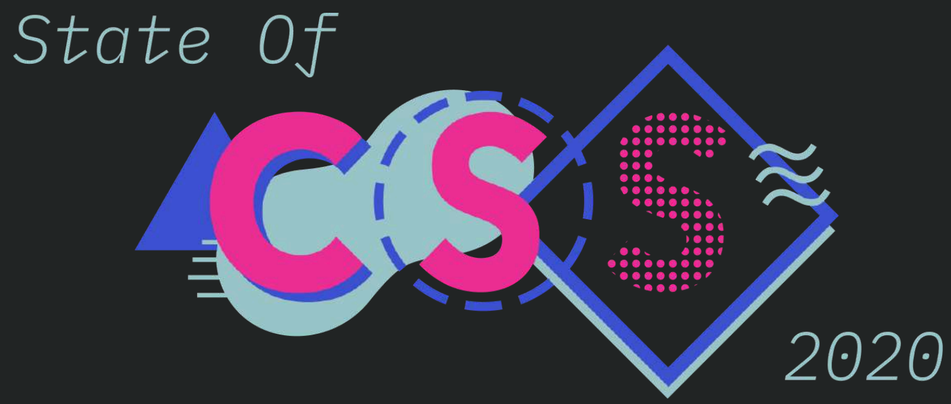


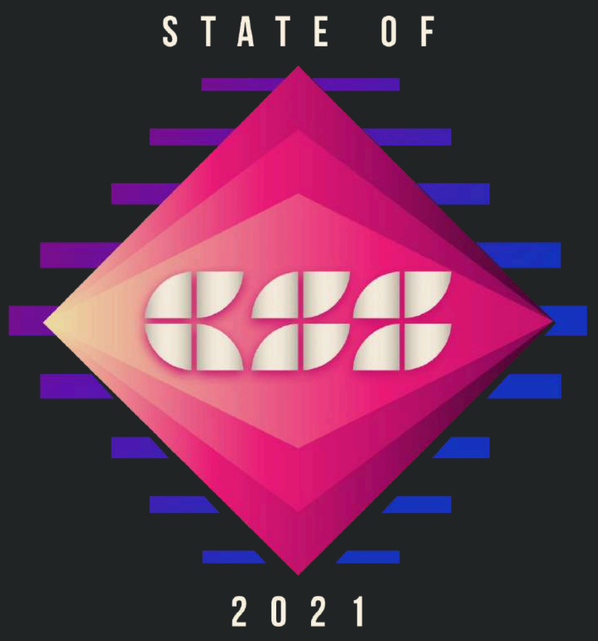


https://wpt.fyi/interop-2024

https://web.dev/baseline


State Of
CSS
2019


State Of
CSS
2020


STATE OF
2021

STATE OF
2022

STATE OF
2023

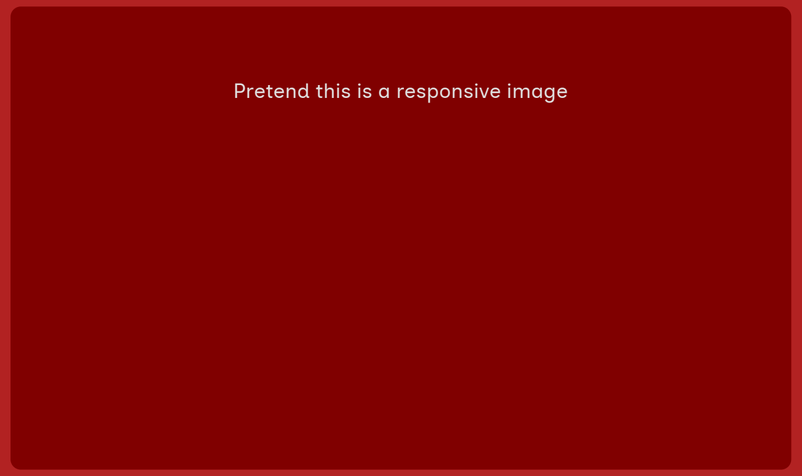
✓	word-break	CSS Text Module Level 4	WD
✓	word-space-transform	CSS Text Module Level 4	WD
✓	word-spacing	CSS 2.1	REC
✓	word-spacing	CSS Text Module Level 3	CRD
✓	word-spacing	CSS Text Module Level 4	WD
✓	word-wrap	CSS Text Module Level 3	CRD
✓	word-wrap	CSS Text Module Level 4	WD
✓	wrap-after	CSS Text Module Level 4	WD
✓	wrap-before	CSS Text Module Level 4	WD
✓	wrap-flow	CSS Exclusions Module Level 1	WD
✓	wrap-inside	CSS Text Module Level 4	WD
✓	wrap-through	CSS Exclusions Module Level 1	WD
✓	writing-mode	CSS Writing Modes Level 4	CR
✓	writing-mode	CSS Writing Modes Level 3	REC
✓	z-index	CSS 2.1	REC

589 distinct property names from 81 technical reports and 83 editors' drafts.

COLOR KEY

Abbreviation	Full name
ED	Editors' Draft (not a W3C Technical Report)
FPWD	First Public Working Draft
WD	Working Draft
CR	Candidate Recommendation
CRD	Candidate Recommendation Draft
PR	Proposed Recommendation
REC	Recommendation
NOTE	Working Group Note

Cu apuhW T hWph



a n oon Coano n Co

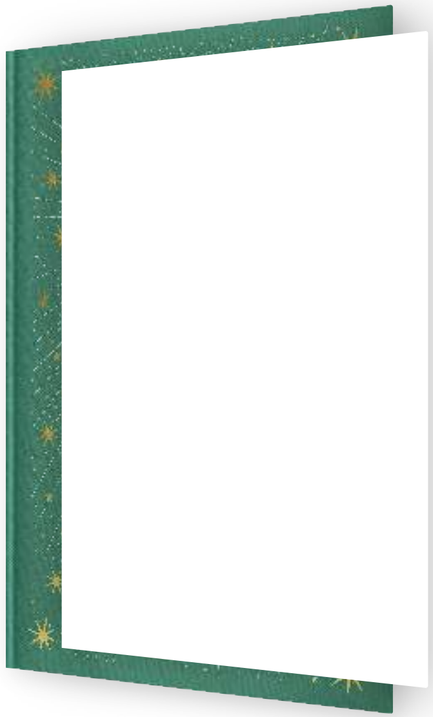
Most cards have blurbs. This is the epitome of a generic example. Oh well...

```
.contained {
  container-type: inline-size;
}

.card__img {
  background-color: darkgreen;
  margin-block-end: 2cqh;
  aspect-ratio: 2 / 1;
}

@container (min-width: 20em) {
  .card {
    display: flex;
    flex-wrap: wrap;
    gap: 1em;
    align-items: center;
  }

  .card__img {
    height: 20cqmax;
    aspect-ratio: 1 / 1;
    margin: 0 auto;
  }

  .card  txt {
```

HTML CSS JS Result EDIT ON

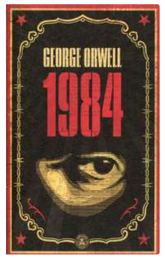
Container Query Bookstore Max Böck

FEATURED



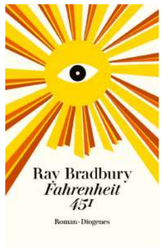
The Wizard of Oz

BESTSELLERS

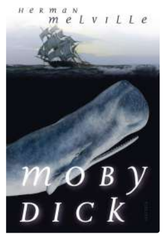


1984
George Orwell

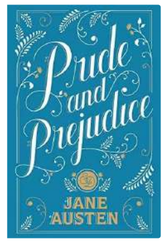
Little Women
Louisa May Alcott



Fahrenheit 451
Ray Bradbury



Moby Dick
Herman Melville



Pride and Prejudice
Jane Austen

Sputnik Sweetheart
Haruki Murakami

CART

Don Quixote

Resources 1× 0.5× 0.25× Rerun

Container Query Bookstore by Max Böck

oh :has() hshe CW

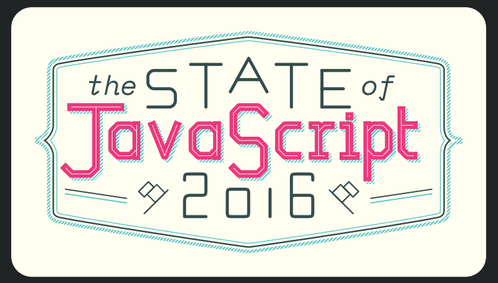
```
/* Matches menu items with submenus in them */
nav li:has(menu) a::after { … }

/* Matches <h1> elements only if they have a <p> element directly after
h1:has(+ p) { … }

/* Matches all <section> elements that do NOT contain headings */
section:not(:has(h1, h2, h3, h4, h5, h6)) { … }

/* Matches all <section> elements that have empty <div>s */
section:has(div:empty) { … }
```

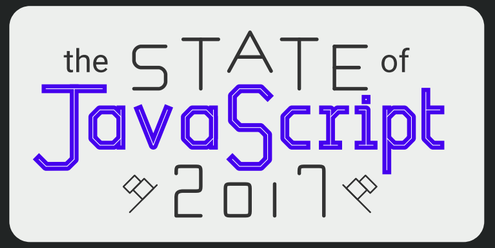
RATIOS OVER TIME

Percentages | Rankings

Retention, interest, usage, and awareness ratio over time.

Customize Chart…


the STATE of
JavaScript
2016


the STATE of
JavaScript
2017

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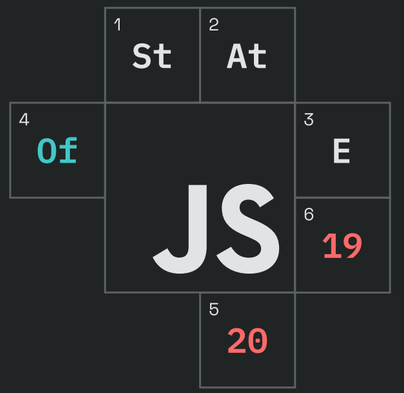
5 Va
6 Sc
7 Ri
8 Pt
9 20
10 18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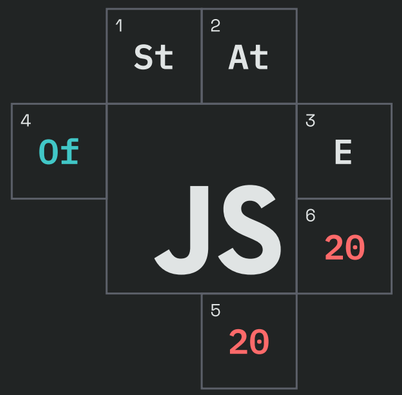
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STATE OF
2021

STATE OF
2022

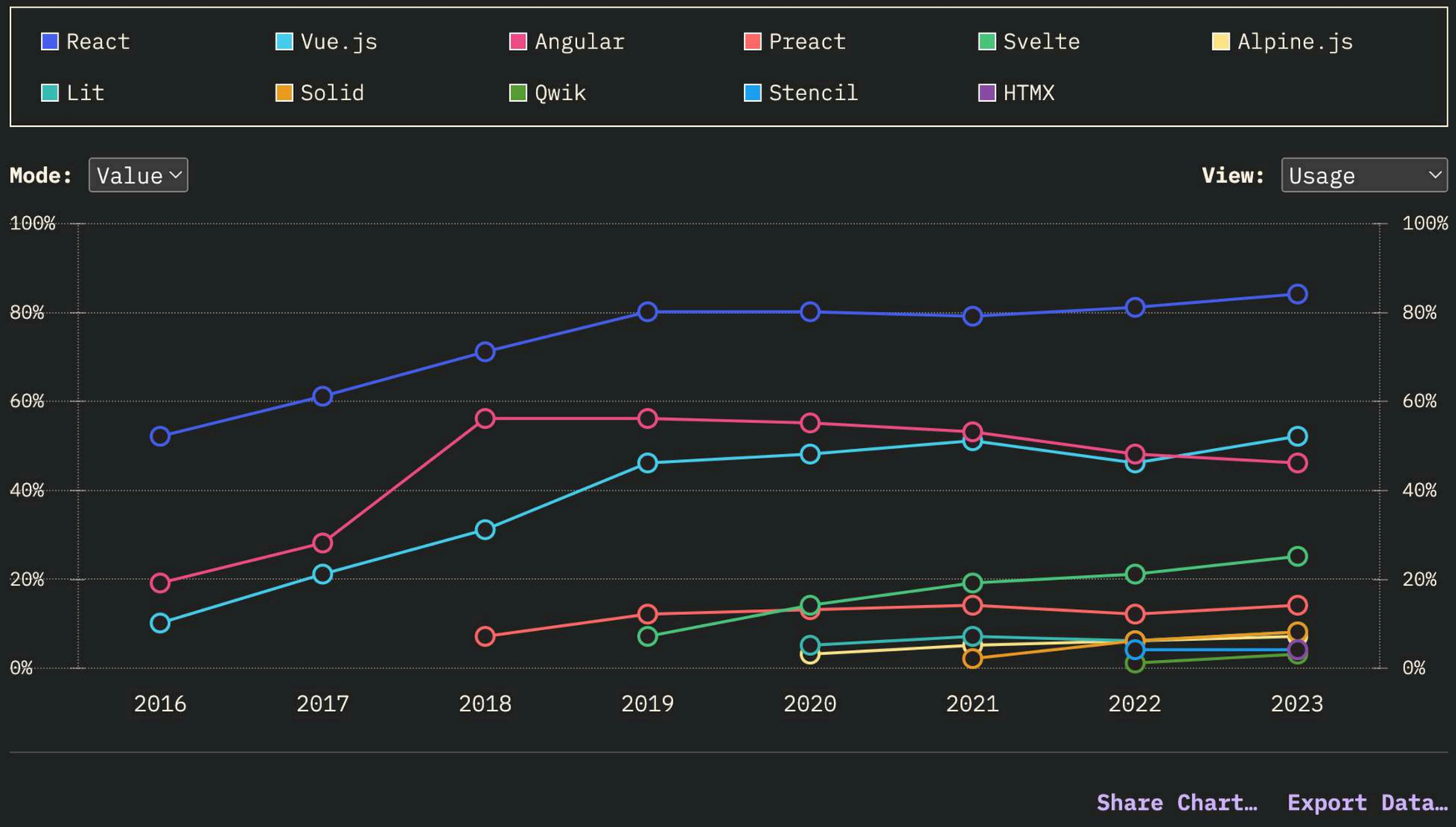
STATE OF
2023

iPhone OS

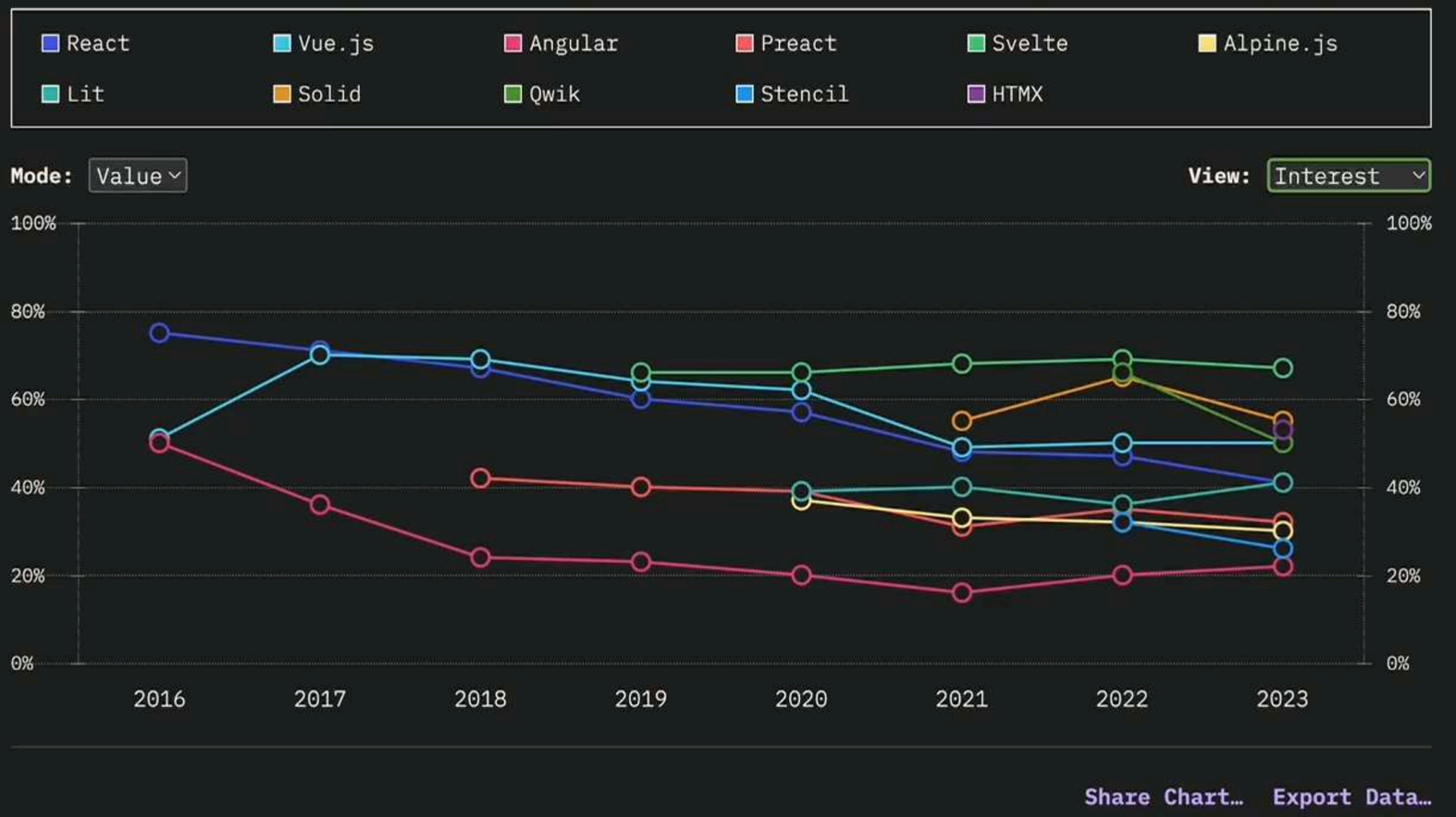
Released in 2007

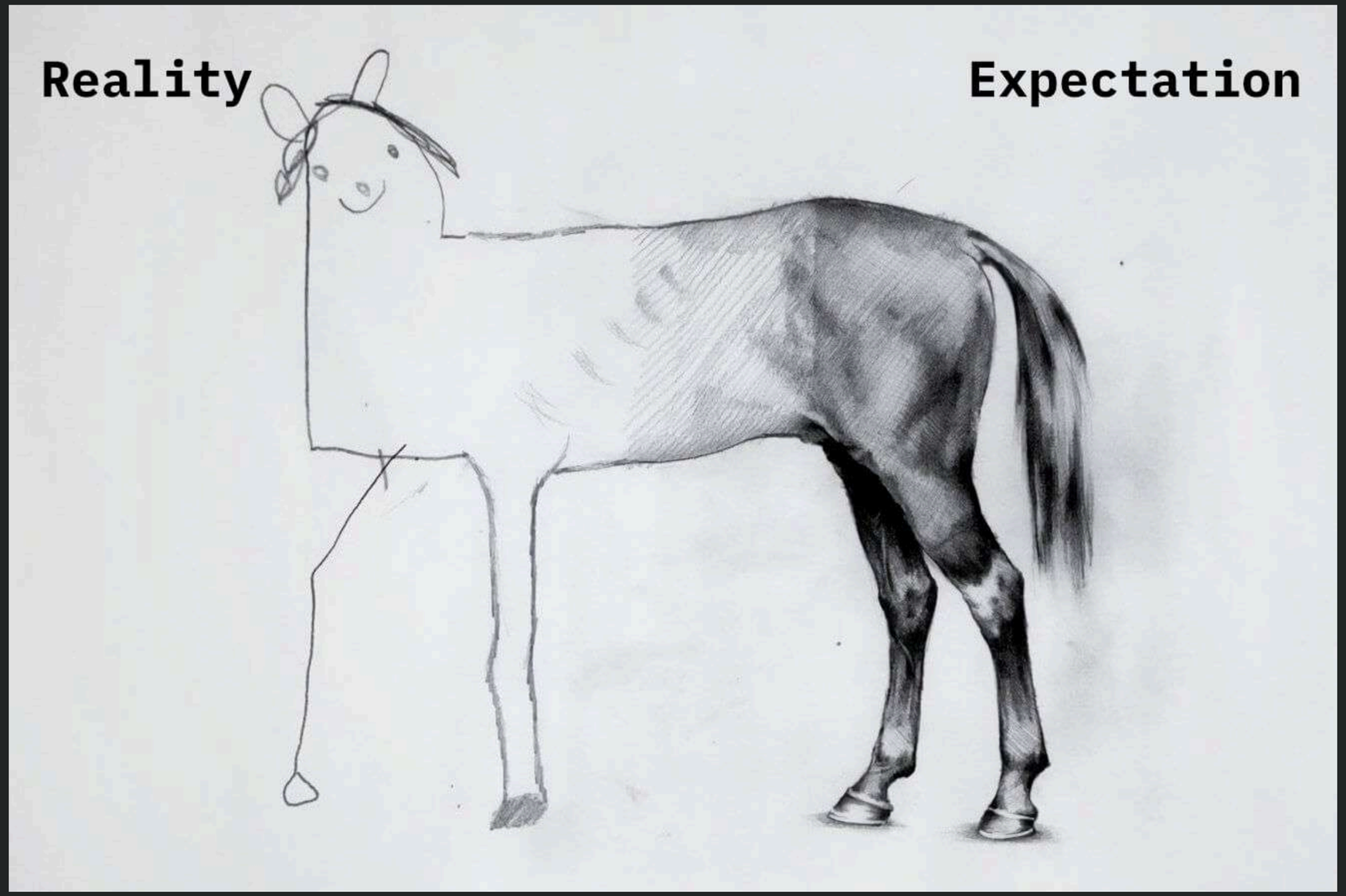
Released in 2008

FRONT-END FRAMEWORKS RATIOS OVER TIME



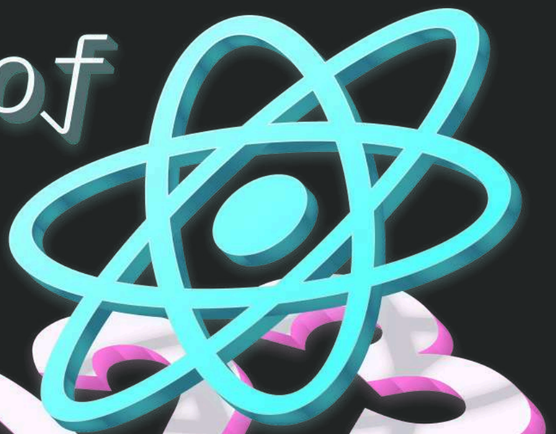
FRONT-END FRAMEWORKS RATIOS OVER TIME

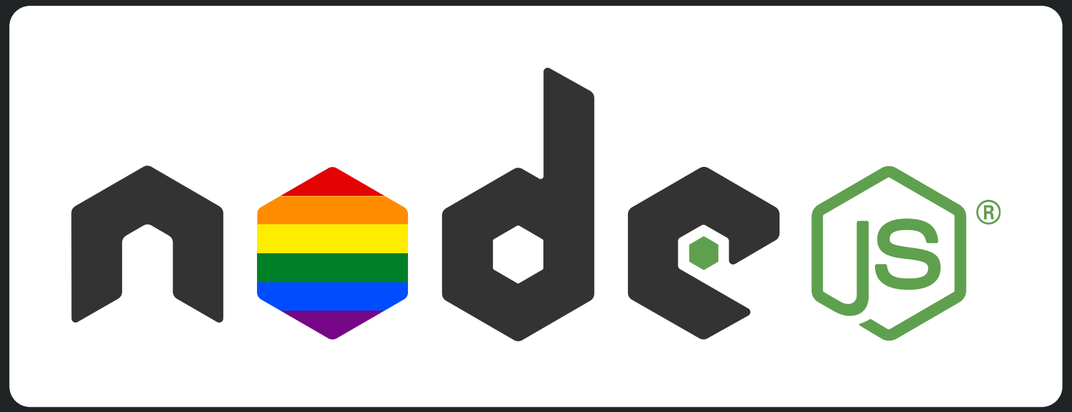


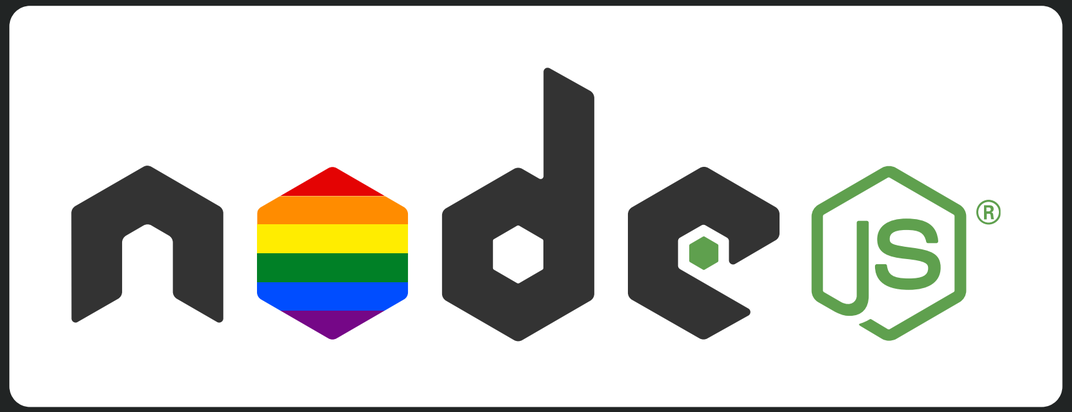


The horse that became a meme by Ali Bati

State of React 2023

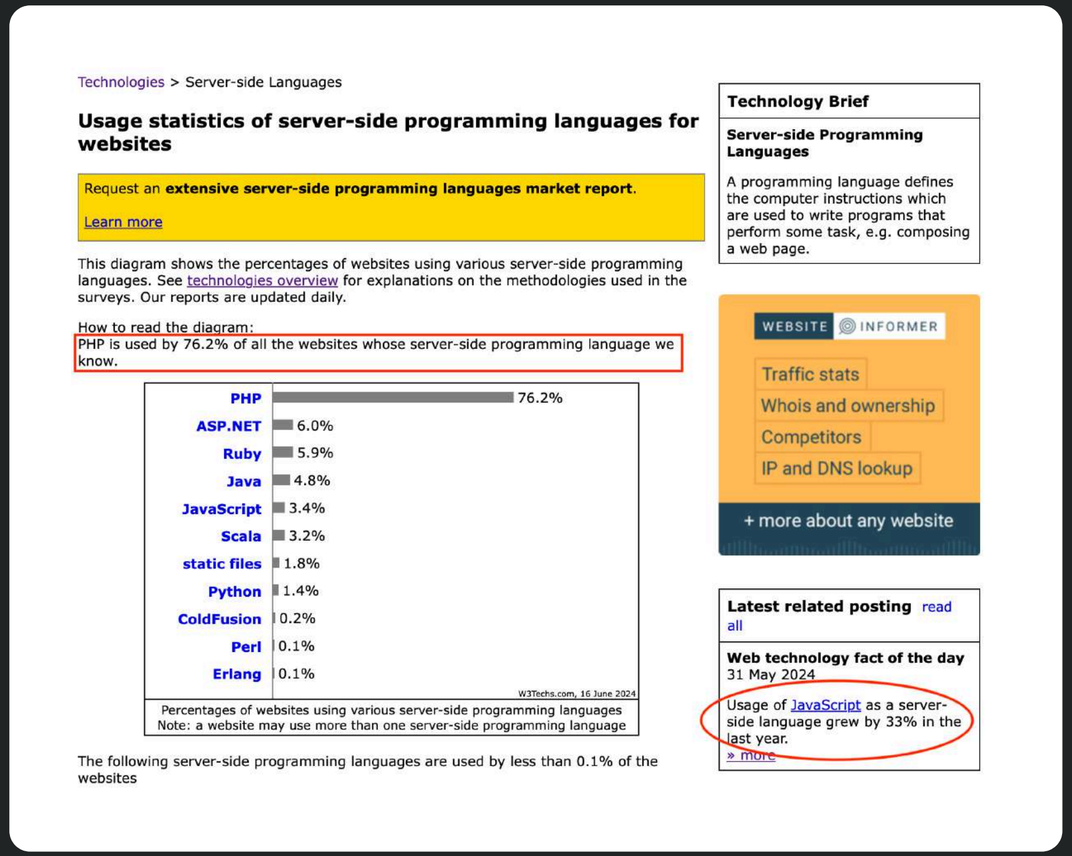



node
JS



Node.js is used by 3.3% of all the websites whose web server we know.

-W3Techs



Technologies > Server-side Languages

Usage statistics of server-side programming languages for websites

Request an **extensive server-side programming languages market report**.

Learn more

This diagram shows the percentages of websites using various server-side programming languages. See technologies overview for explanations on the methodologies used in the surveys. Our reports are updated daily.

How to read the diagram:
PHP is used by 76.2% of all the websites whose server-side programming language we know.

Percentages of websites using various server-side programming languages
Note: a website may use more than one server-side programming language

The following server-side programming languages are used by less than 0.1% of the websites

Technology Brief

Server-side Programming Languages

A programming language defines the computer instructions which are used to write programs that perform some task, e.g. composing a web page.

WEBSITE INFORMER
Traffic stats
Whois and ownership
Competitors
IP and DNS lookup
+ more about any website

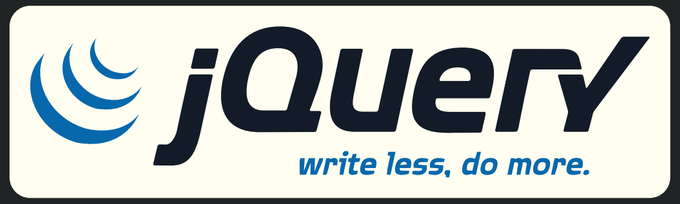
Latest related posting read all

Web technology fact of the day
31 May 2024

Usage of JavaScript as a server-side language grew by 33% in the last year.
» more

PHP is used by 76.2% of all the websites whose server-side programming language we know.

-W3Techs



At the very least, make sure you know what jQuery is doing for you, and what it's not.

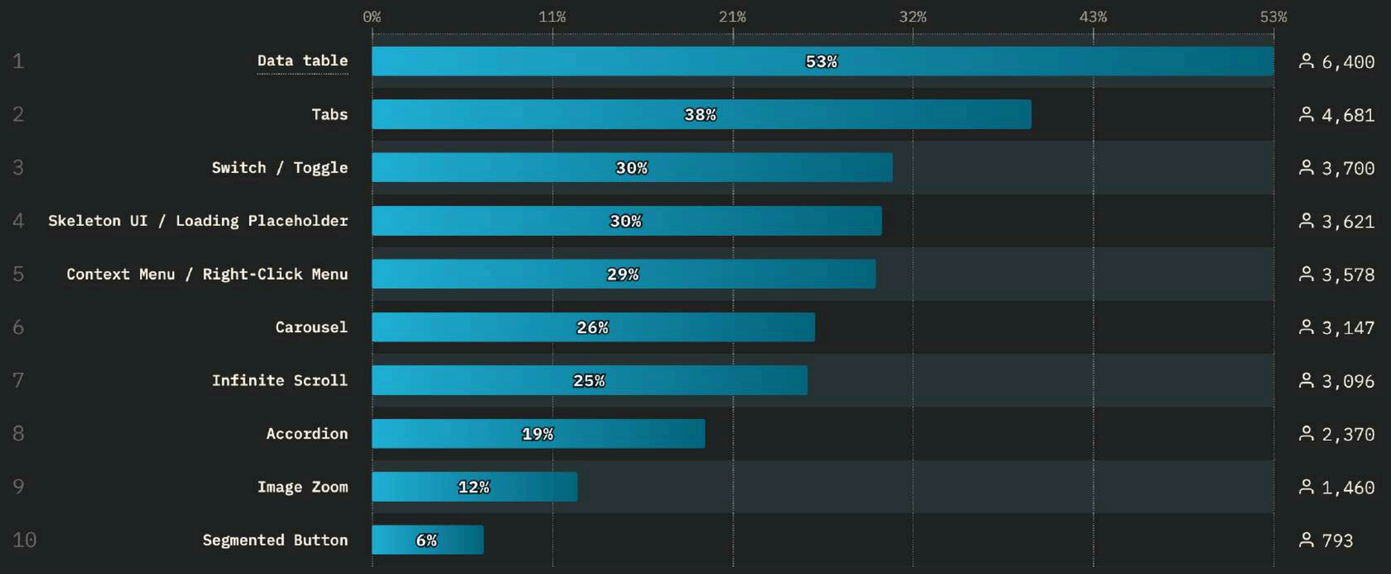
–You might not need jQuery

STATE OF
HTML
2023

MISSING ELEMENTS

If you could add 3 elements to HTML, what would they be?

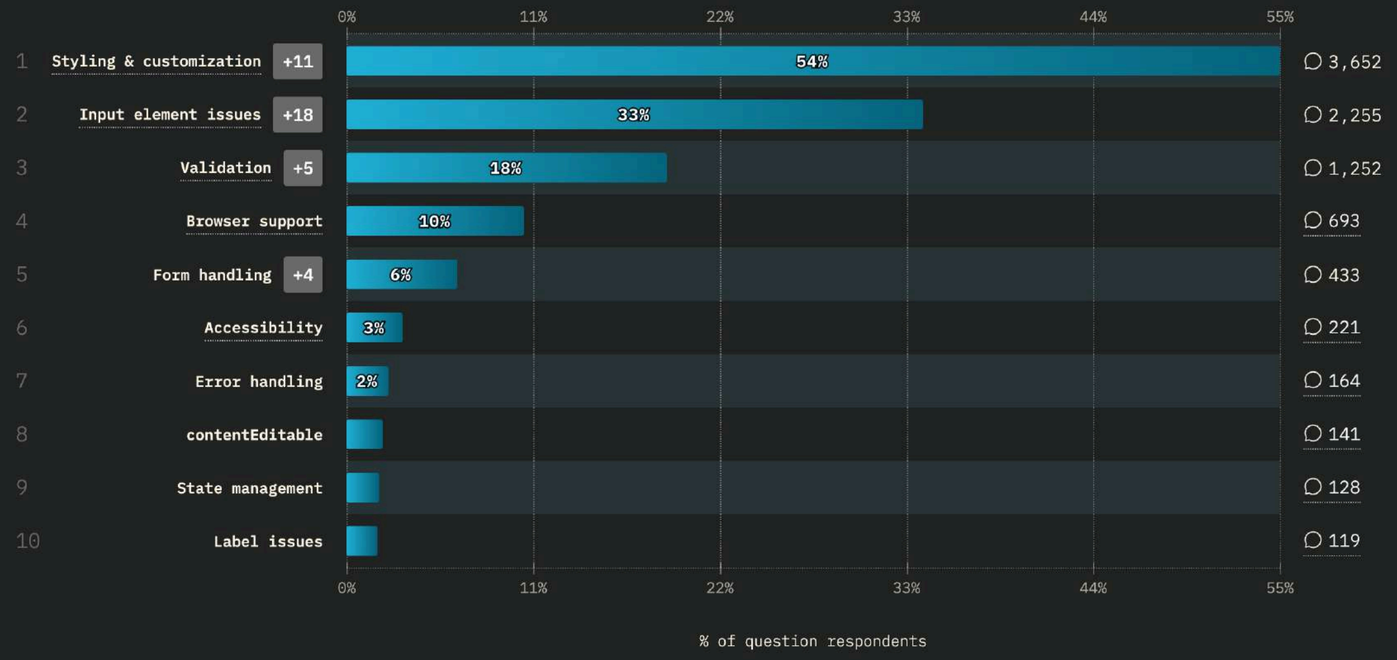
All Respondents | Add Filters…



FORM PAIN POINTS

What are your pain points around HTML forms? FREEFORM

All Respondents | Add Filters…



HTML

Result

EDIT ON

```
<button popovertarget="message">Toggle Popover</button>

<div id="message" popover>
  <p>This is a popover which you can close with <kbd>esc</kbd> or by clicking outside it.<p>
</div>
```

Toggle Popover

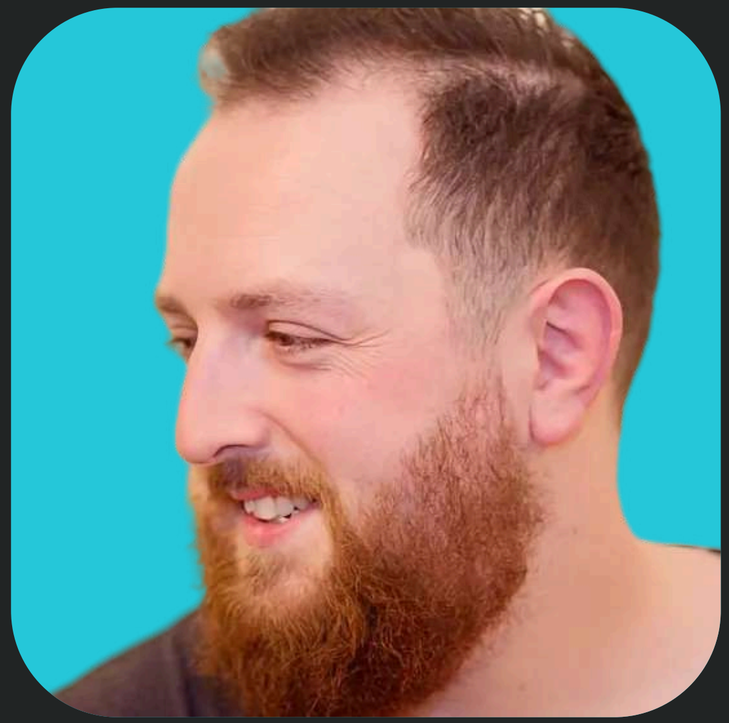
This is a popover which you can close with esc or by clicking outside it.

Resources

1× 0.5× 0.25×

Rerun

hc Ct RCuhu



Keith Cirkel

Let's Share What We Know

World Wide Web

hihWhueh

- You probably don't need GraphQL
- List of CSS properties, both proposed and standard
- iShadeed Lab - Container queries
- The CSS :has() selector is way more than a “Parent Selector”
- Why is ReactJS so popular?
- State of HTML 2023 now open!
- Anchor Positioning and the Popover API for a JS-Free Site Menu
- Use web components for what they’re good at
- Web components should be able to easily adapt to the host page while maintaining enapsulation

raTy W

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