How Tempo Got Their Data in Shape High-growth fitness start-up Tempo needed to better organize their data to

continue growth. Their solution? Mozart Data's [modern data stack/modern data platform] and a 76% reduction in time-to-insight. **Read the Case Study**

I've always liked the suggestion to avoid using hard-coded values (often called

"magic numbers") when writing code. Unfortunately, because all the work I do

Without the comment indicating what this magic number is, anyone coming

As I said, for personal projects that others are unlikely to touch, I'm not against

But when working on larger applications in a team environment, or on projects

that you may have to hand off to others, it's much better to do something like the

doing something like this. Even if I moved that value to a variable, I think a

comment is enough info to help future maintenance of this code snippet.

const HOUR IN MILLISECONDS = 60 * 60 * 1000;

console.log(HOUR IN MILLISECONDS); // 3600000

The above code sets the value in a constant that's clearly named so there's no

confusion when it's used later in the code. Additionally, even when I define the

constant, I'm not just hard-coding the value, but I'm "showing my work" via the

Now, you could argue that all this did was introduce three more hard-coded

Of course, ideally you'd like to pull those numbers in from some kind of

universal API that stores universal values or something. In that case, if all of

like that, then the value would still be correct. But that's kind of nutty talk, so I

humanity decides that they'd like to add more seconds to a minute or something

High-growth fitness start-up Tempo needed to better organize their data to continue growth.

Their solution? Mozart Data's [modern data stack/modern data platform] and a 76% reduction

A library for creating themeable user interfaces based on constraint-based design principles.

Build custom component libraries, design systems, web applications, Gatsby themes, and

An app development framework built on top of React that's easy to use, performant, and

A simple, scalable, and powerful architecture for building production ready React applications.

An opinionated Next.js 12 boilerplate built with SCSS, Jest, React Testing Library, Prettier,

A comprehensive UI component library and design system for React and Vue.

A runtime and SDK to build enterprise-ready, cross-browser, responsive web apps.

Open**UI5**

Create Enterprise-Ready Web Apps with Ease

An open-source admin dashboard interface built on top of Tailwind CSS and Flowbite (a

A styling library and UI kit to build design systems that work on React and React Native.

A starter template to get projects up and running with Next.js, TypeScript, Tailwind, css-

A starter toolkit for building projects with Nuxt.js, Vite, TypeScript, UnoCSS, Pinia for state

Turn screenshots into actual image assets. Screenstab lets you import screenshots, transform

them into photo-realistic 3D renderings, and export high definition images that are perfect for

An online tool to try out what is apparently the future of contrast testing according to the

A CLI tool for finding memory leaks in web apps, particularly SPAs. Use a single command to

A script to mock dynamic data in HTML to automatically test the responsiveness of page

An interactive website that allows you to do weird DNS-based tests and experiments, so you can

A tool that runs a Lighthouse performance test at a range of different network speeds, to show

6.71 s

4.51 s

3.41 s

2.86 s

Monitoring tool to identify vulnerabilities in your WordPress plugins, themes, and core. Free plan

A free, easy-to-use tool by Microsoft that captures how real people actually use your site.

VS Code extension that enables time travel debugging of pure functions in TypeScript with

A high-performance HTTP benchmarking tool with real-time web UI and terminal displaying.

Node.js utility to use your editor to inspect the log instead of scrolling the congested terminal.

VS Code extension that provides optimal flow for Jest-based testing in VS Code.

Turn screenshots into actual image assets. Screenstab lets you import screenshots,

transform them into photo-realistic 3D renderings, and export high definition images that

Open source software that helps you manage and run Windows apps on Linux with ease.

Create JSON API endpoints to store form data to Google Sheets, allowing you to use

A free online game engine to create games, learn programming, play, share, and

A native Mac, Windows, or Linux app that allows you to drag-and-drop to do various

믊

PLUGINS

Encode medium quality

X

(?)

operations (encode audio/video, optimize images, batch rename files, etc).

硘

916

0 errors

A heavyweight new open-source font inspired by early 19th-century "grotesque" typefaces

Type a description of your business and this tool will offer suggestions for domain names,

An HTML5 runtime engine to embed executable Squeak Smalltalk programs on web

A lightweight, ultra-fast tool for building observability pipelines. Collect, transform, and

A small open-source library that generates short, unique, non-sequential ids from

These are affiliate links, paid classifieds, and curated commercial apps (i.e. not

Evervault - Security toolkit for developers to prevent data breaches.

Relume Library - 650+ components for building sites with Webflow.

Simmmple - Free and Premium UI kits, templates, themes, etc.

Pack of Carrds - Unique landing page templates for websites built in Carrd.

vscode.email - Newsletter featuring tips/tools for VS code, coming soon. ad

Advanced React - React course with 70+ HD videos, currently half price. *ad*

Apparently my entire map-learning experience in school was a sham. Or maybe

6400 km

A lightweight alternative to Elasticsearch that requires minimal resources, written in Go.

Puppeteer - Headless Chrome API for Node.js at version 13+

Detox - End-to-end mobile testing at version 19+

Polly.JS - HTTP interactions testing at version 6+

The Uncategorizables

are perfect for sharing. sponsored

Sheets as a database for form data.

Drovp (BETA)

PROFILES

Drop testing

110 completed

1026

Discover and connect to thousands of curated, public APIs.

110

RapidAPI Hub

Namy

SqueakJS

pages.

Vector

Hashids

Zinc

Basement Grotesque

and modern "brutalist" aesthetics.

indicating which ones are available.

route all your logs and metrics with one tool.

free, not open source, limited free plan, etc).

A Tweet for Thought

ian bremmer 🤣 @ianbremmer

How maps can confuse us:

3:58 PM · Dec 7, 2021 · Twitter for iPhone

been populated with lots of content already.

Thanks to everyone for subscribing and reading!

Copyright © 2022 Web Tools Weekly, All rights reserved.

Made something? Send links via Direct Message on Twitter

@WebToolsWeekly (details here). No tutorials or articles, please. If you have any

Amazon Web Services has launched a cool new platform: AWS re:Post, which is

more or less a Stack Overflow for AWS-related questions. Looks like it's already

PayPal.me / Patreon / GitHub Sponsors / E-Books / \$5 Tip / \$1 Tip

Curious about this email? Well, at some point you subscribed, likely at webtoolsweekly.com

文件由 🖂 QQ邮箱生成

suggestions for improvement or corrections, feel free to reply to this email.

Send Me Your Tools!

Before I Go...

Keep tooling,

@WebToolsWeekly

Web Tools Weekly

5576 Yonge Street

North York, ON M2N 5S0

unsubscribe from this list

update subscription preferences

PO Box 10044

Privacy Policy

Canada

Support this newsletter:

Louis

I just wasn't paying attention.

numbers. Available in 30+ programming languages.

Commercial Apps and Classifieds

Screenshots Aren't Photos. Until Now.

Cypress - Cross-platform test suite now at version 9+

5.61 s 5.61 s

Bandwidth

6.71 s

4.51 s

3.41 s

5.61 s 5.61 s

2.86 s 2.86 s

6.71 s

4.51 s

3.41 s

10 Mbps 50 Mbps

6.71 s

5.61 s

4.51 s

3.41 s

2.86 s

6.71 s

5.61 s

4.51 s

3.41 s

2.86 s

8 Mbps

6.71 s

5.61 s

4.51 s

3.41 s

2.86 s

how bandwidth and round-trip latency impact site performance metrics.

Latency 0.1 Mbps **0.5 Mbps** 1 Mbps 1.6 Mbps 2 Mbps 4 Mbps 6 Mbps

6.71 s

4.51 s

3.41 s

2.86 s

is enough to locate problems, but you have to upgrade to fix them automatically.

6.71 s

5.61 s

4.51 s

3.54 s

3.26 s

Still in early development. A blazing fast unit-test framework powered by Vite.

A starter template for building projects with Parcel.js, Nunjucks, and Tailwind.

ever going to change and it's pretty clear what they do.

values. But I think in this case this is acceptable. These aren't values that are

across the code wouldn't know why that particular value was used. The

comment clears this up: It's the number of milliseconds in one hour.

nowadays is on my own, it doesn't bother me to do something like this:

setTimeout(() => {

setTimeout(() => {

comment and the full equation.

think this solution is good enough!

Front-end Frameworks

How Tempo Got Their Data in Shape

Now on to this week's tools!

in time-to-insight. sponsored

more with a flexible API.

Theme UI

Punjucks

Enact

customizable.

Bulletproof React

ESLint, and more.

Arco Design

OpenUI5

Windster

Tamagui

Nextal

Vitesse for Nuxt 3

sharing. sponsored

Vitest

fuite

APCA Contrast Calculator

upcoming version of WCAG.

test any URL for leaks.

elements with various types of content.

learn while not breaking stuff on a live site.

20.42 s 7.48 s

23.57 s 6.24 s

21.97 s 6.01 s

4.98 s

4.84 s

28.08 s

21.66 s

html-mocker

mess with dns

500 ms

400 ms

300 ms

200 ms

Patchstack

Clarity

Plow

vscode-jest

log-editor

Bottles

fabform.io

microStudio

Drovp

prototype games.

On the Release Radar:

DeLorean JS Debug

custom transformers.

Lighthouse Simulator

management, and more.

Tailwind component library).

modules, Jest, Husky, ESLint, Prettier, and more.

Testing and Debugging Tools

Screenshots Aren't Photos. Until Now.

Next.js 12 Complete Boilerplate

}, HOUR_IN_MILLISECONDS);

following:

 $\}$, 3600000); // ms in one hour