

Tools for Web Developers

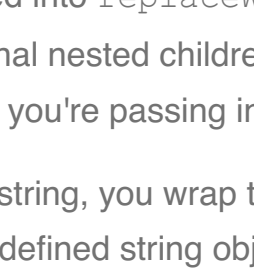
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The DOM API includes another interesting method that I just stumbled across that's relatively new to the spec: `Element.replaceWith()`. In brief, this method allows you to replace an element with a new element and any children nested inside it. It also accepts a DOM string.

Here's some code demonstrating three different ways to use it:

```
// replacing element with element
par1.replaceWith(par2);

// replacing element with text
par1.replaceWith('Some example text');

// replacing element with tags as escaped strings
par1.replaceWith('<div>More example text</div>');
```

You can try a real interactive example in [this CodePen demo](#). It will help to look at the code to see what's happening, but note a few things about the three ways you can replace the main paragraph element in the code above and the demo:

- The lone argument passed into `replaceWith()` can be a single HTML element object with optional nested children. Those child elements will be preserved. So technically you're passing in a node tree.
- When passing in a DOM string, you wrap the argument with quotes or pass it in as a previously defined string object. Again, the full string will replace the element so that the original element completely disappears.
- My last example in the code above includes HTML tags in the string value. These won't be recognized as tags but will be escaped as part of the string to display on the page. You can try this using the interactive demo by entering HTML characters or other special characters in the input field.
- In the live demo, notice the paragraph being replaced also has a child element (for the italics). This element also disappears when the parent is replaced.

And that's pretty much all there is to this method. It's handy because it's much like `innerHTML()` but instead of replacing the child elements of the targeted element, it replaces the element directly while passing in any accompanying children.

Now on to this week's tools!

JavaScript Libraries and Frameworks

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Imba

Not exactly a JS library, but a new web language that compiles to JS that features speed via a time-saving syntax and memoized DOM.

Vizzu

A free, open-source JavaScript library for creating static data charts and animated data stories and visualizations.

Motion One

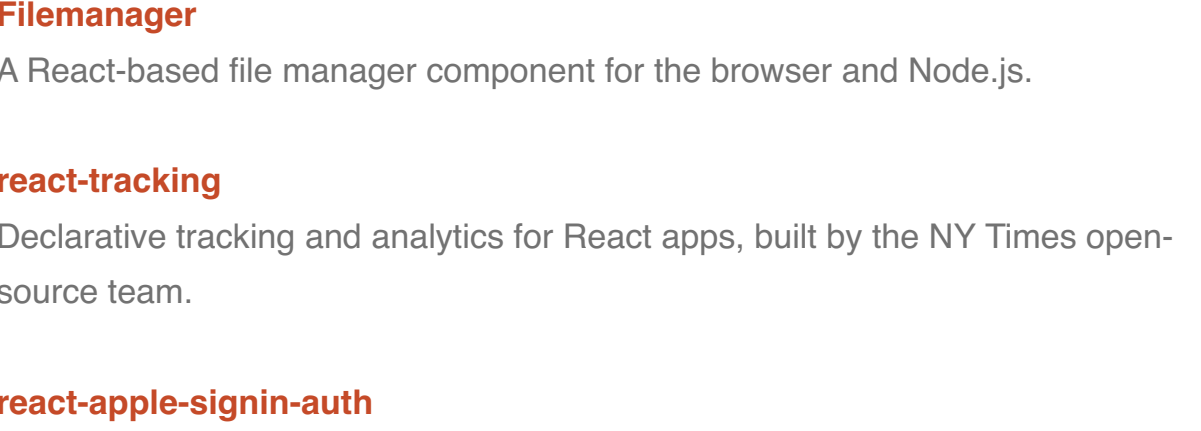
A new performance-first animation library built on the Web Animations API and includes features like selectors, individual transforms, timeline sequencing, and more.

Mechanic

An open source framework that makes it easy to create custom, web-based design tools that export design assets right in your browser.

Theatre.js

A JavaScript animation library with a GUI that that animates the DOM, WebGL, and any other JavaScript variable. Some nice examples on the home page.



Mafs

A library of React components to build interactive, animated math-based visualizations with declarative code.

Wasp

A language for building and deploying modern full-stack web apps with less code. Describe high-level features with Wasp then write the rest of your logic in React, Node.js and Prisma.

Ultra

A web framework based on Deno and React, with no build or bundle, that embraces modern native browser features like ES Modules, Import Maps, and Web Streams.

Blockly

A library for teaching code concepts that allows web and mobile apps to include a visual code editor for any of the five supported programming languages.

Cornerstone

JavaScript library to easily build interactive medical imaging web applications.

On the Release Radar:

- **Electron** - Cross-platform apps now at **version 15+**
- **Vendure** - Headless GraphQL-based e-commerce now at **version 1+**
- **Stimulus** - HTML-friendly JS framework now at **version 3+**
- **Nuxt** - Vue framework now at **version 3+**
- **Relay** - React framework for data-driven apps now at **version 12+**

React Tools

Tech Jobs for Good

Tech Jobs for Good helps connect developers to job opportunities at organizations working on pressing issues such as improving educational outcomes, eliminating barriers to mental health, and providing pro bono legal services to those in need. Find out how you can use React to make a difference today. [sponsored](#)

react-horizontal-scrolling-menu

Horizontal scrolling menu component for React.

react-monacoeditor

React component for the popular Monaco embeddable code editor (which is the engine that powers VS Code).

React Carousel Minimal

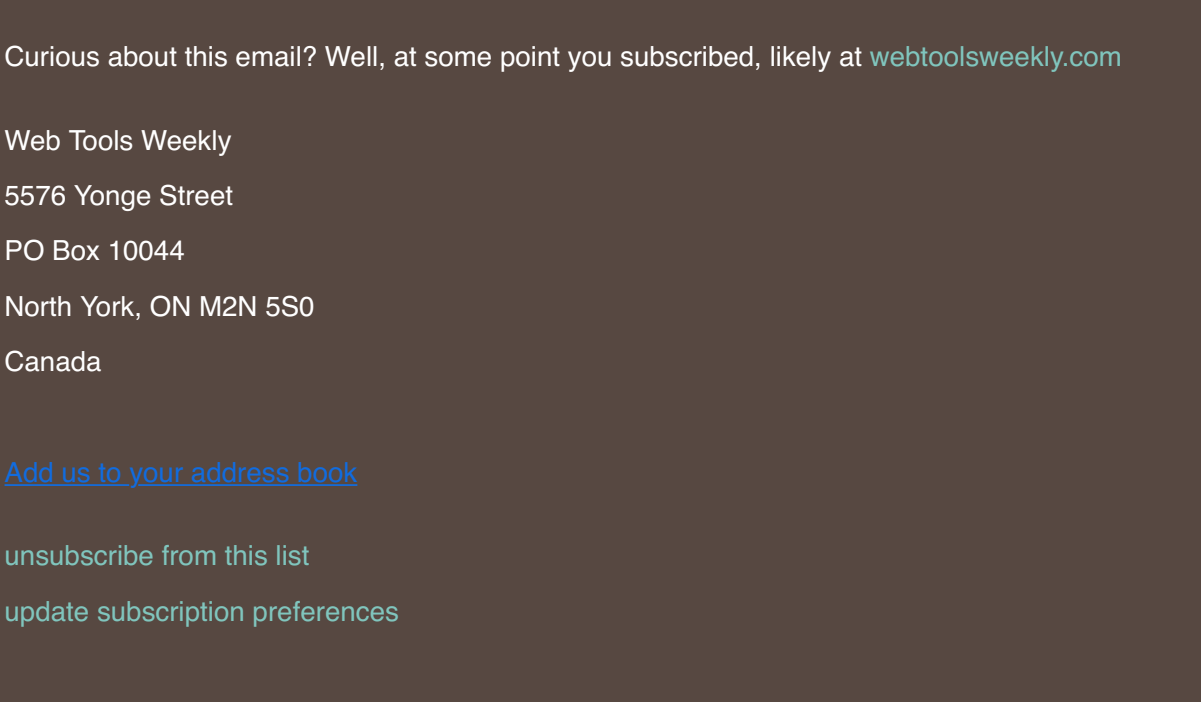
Easy to use, responsive, and customizable carousel component for React projects.

React Image Pan, Zoom & Rotate

A React library to add provide rotate, zoom, drag, pan, move, etc., functionality to an image on the page.

kbar

React component to add a fast, portable, and extensible CMD+K interface to your site.



react-hook-form-jsonschema

Lightweight form that exposes an API for easily creating customizable forms with built-in validation based on a JSON Schema.

react-stickynode

A performant and comprehensive React component to add a sticky element to a page.

react-model

A next-generation state management library for React with support for TypeScript, Class and Hooks API, and compatible with Preact, React Native, and Next.js.

Filemanager

A React-based file manager component for the browser and Node.js.

react-tracking

Declarative tracking and analytics for React apps, built by the NY Times open-source team.

react-apple-signin-auth

Apple sign-in for React using the official Apple JS SDK.

React Social Login Buttons

A simple package to provide a front-end for social login buttons using React, on top of already-existing functionality for auth/login.

On the Release Radar:

- **React Data Table Component** - Tables in React now at **version 7+**
- **React-Async-Hook** - React hook to handle async ops now at **version 4+**
- **React Swipeable** - Swipe event handler hook now at **version 6+**
- **Little State Machine** - State management hook now at **version 4+**
- **React Virtuoso** - Virtualized list component now at **version 2+**

The Uncategorizedables

Tech Jobs for Good

Use Tech Jobs for Good to find front-end developer jobs at organizations working on pressing issues such as fighting misinformation online, improving access to social services, and reducing carbon emissions. [sponsored](#)

Xplorer

A customizable, modern, and cross-platform File Explorer built with Electron and available for Mac, Windows, and Linux.

Cryptomator

A free and open-source cloud encryption tool for Dropbox that creates a "vault" for your cloud files.

Leapp

An open-source, cross-platform app designed to manage and secure your cloud credentials in multi-account environments.

Featurebase

Capture, organize and analyze what your users have to say through public feedback boards to make better product decisions.

Docbloc

API documentation tool that simplifies the creation and distribution of REST API documentation.



Fake Word Generator

Might come in handy if you're trying to come up with a new name for a product service. Even lets you 'mutate' words to see related results.

Gust

A WordPress theme built with Tailwind CSS.

btop

A Linux system resource monitor with support for Mac in development.

Waydroid

A container-based approach to boot a full Android system on a regular GNU/Linux system like Ubuntu.

WCAGify

Node utility for people who need to reference the Web Content Accessibility Guidelines frequently and are tired of copying and pasting.

KDL

A document language with XML-like semantics that looks like you're invoking a bunch of CLI commands.

Commercial Apps and Classifieds

These are commercial (non-free) tools, paid classifieds, and affiliate links. You can [submit](#) a link for consideration or you can [buy a classified link](#) (will be marked "ad").

SlashApi - Web platform to build REST APIs fast with no coding.

Frontendor UI Library - Library of 100+ UI Blocks & 6+ Templates. [ad](#)

Mini Course Generator - Build and share interactive mini-courses.

JavaScript E-Books Bundle - 3 JS/DOM E-Books 50% off at AppSumo. [ad](#)

ProtectPDF.io - Service to add piracy protection to PDF e-books.

All-in-one Domain Tools - Mac/Win/Linux app for domain checking, etc.

A Tweet for Thought

Wes Bos @wesbos

Doing a spicy [@syntaxfm](#) where we talk about how many the modern web dev trends, frameworks and ideas are things PHP has had for years.

- * Logic/Templating mix
- * URL based routing
- * request scope
- * Server rendered
- * large standard lib

Any more?

11:02 AM · Sep 27, 2021 · TweetDeck

Send Me Your Tools!

Made something? Send links via Direct Message on Twitter [@WebToolsWeekly](#) ([details here](#)). No tutorials or articles, please. If you have any suggestions for improvement or corrections, feel free to reply to this email.

Before I Go...

StackOverflow Copilot is one of the more humorous projects you'll come across. There's a reason "Don't" is step 1 in the installation instructions.

Thanks to everyone for subscribing and reading!

Keep tooling,
Louis

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