

What's new in Svelte: February 2022

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Happy February, everyone! Over the last month or so, we've seen Svelte and SvelteKit develop at rapid speed, new community rules across the Reddit, GitHub and Discord, and quite a few amazing apps, tutorials and libraries.

Let's take a look...

Highlights from the Svelte changelog

- **3.45.0** brought a new ally warning `all-y-no-redundant-roles`, destructuring and caching fixes
- **3.46.0** added the much requested `{@const}` tag and `style:` directive
- Check out **3.46.1** - **3.46.3** for fixes to the `{@const}` tag and `style:` directive, along with a number of fixes to animations
- AST output is now available in the Svelte REPL

What's new in SvelteKit

- `inlineStyleThreshold` allows you to specify where inline stylesheets are inserted into the page (Docs, #2620)
- `beforeNavigate/afterNavigate` lifecycle functions lets you add functionality before or after a page navigation (Docs, #3293)
- Platform context can now be passed from adapters (Docs, #3429)
- Hooks now have an `ssr` parameter in `resolve` to make it easier to skip SSR, when needed (Docs, #2804)
- `$page.stuff` provides a mechanism for pages to pass data 'upward' to layouts (Docs, #3252)
- Fallthrough routes let you specify where to route when a route can't be loaded (Docs, #3217)

New configs - Content Security Policy (CSP) is now supported for increased security when using inline javascript or stylesheets (Docs, #3499) - `kit.routes` config allows you to customise public/private modules during build (Docs, #3576) - `prerender.createIndexFiles` config lets you prerender index.html files as their subfolder's name (Docs, #2632) - HTTP methods can now be overridden using `kit.methodOverride` (Docs, #2989)

Config changes - `config.kit.hydrate` and `config.kit.router` are now

nested under `config.kit.browser` (Docs, 3578)

Breaking change - use `Request` and `Response` objects in endpoints and hooks (#3384)

Community Showcase

Apps & Sites - `timb(re)` is a live music programming environment - Music for Programming is a series of mixes intended for listening while ``${task}`` to focus the brain and inspire the mind - Team Tale allows two authors to write the same story in a tag-team sort of fashion - Puzzlez is an online place to play Sudoku and Wordle - Closed Caption Creator makes it easy to add subtitles to your video on Windows, Mac and Google Chrome - SC3Lab is a code generator for experimenting with `svelte-cubed` and `three.js` - `Donkeytype` is a minimalistic and lightweight typingtest inspired by `Monkeytype`. - Above is a visual routine timer built for the ADHD/autistic mind - `base.report` is a modern research platform for serious investors - `String` turns your Phone into a secure portable audio recorder, making it easy to capture and share personal notes, family moments, classroom lectures, and more - The Raytracer Challenge REPL provides a live editor interface to configure a raytraced scene and render it live in any modern browser - `awesome-svelte-kit` is a list of awesome examples of `SvelteKit` in the wild - Map Projection Explorer lets you explore different map projections and explains their differences - `Rubiks` is a Rubik's Cube simulator - `Pianisto` is a working piano made with SVG, `ToneJS` and a lot of patience

Want to work on a `SvelteKit` site with others, try contributing to the Svelte Society site!

Learning and Listening

To Read - Accelerating Svelte's Development by Ben McCann - Storybook for Vite - Let's learn SvelteKit by building a static Markdown blog from scratch by Josh Collinsworth - Building an iOS app with Svelte, Capacitor and Firebase by Harry Herskowitz - Mutating Query Params in SvelteKit Without Page Reloads or Navigations and Workaround for Bubbling Custom Events in Svelte by Mohamad Harith - How to build a full stack serverless application with Svelte and GraphQL by Shadid Haque - How to Deploy SvelteKit Apps to Github Pages - Creating a dApp with SvelteKit by Anthony Riley - Comparing Svelte Reactivity Options by Steve Lee

To Watch - Integrating Storybook with SvelteKit and Integrating FaunaDB with Svelte by the Svelte Sirens - SvelteKit Crash Course Tutorial by The Net Ninja - Svelte for Beginners by Joy of Code - SvelteKit For Beginners | Movie App Tutorial by Dev Ed - SvelteKit \$app/stores by lihautan - Sveltekit - Get All Routes/Pages by WebJeda

To Listen To - New Year, New Svelte!? from Svelte Radio - So much Sveltey

goodness (featuring Rich Harris) from JS Party - The Other Side of Tech: A Documentarian Perspective (with Stefan Kingham) from Purrfect.dev

Libraries, Tools & Components - threlte is a three.js component library for Svelte - svelte-formify is a library to manage and validate forms that uses decorators to define validations - gQuery is a GraphQL Fetcher & Cache for Svelte Kit - Unlock-protocol is an integration to help login with MetaMask, Firebase, and paypal customers - AgnosticUI is a set of UI primitives that start their lives in clean HTML and CSS - Vitebook is a fast and lightweight alternative to Storybook that's powered by Vite - SwyxKit is an opinionated blog starter for SvelteKit + Tailwind + Netlify. Refreshed for 2022! - svelte-themes is an abstraction for themes in your SvelteKit app - svelte-transition is a Svelte component to make using CSS class based transitions easier - ideally suited for use with TailwindCSS - Svelte Inview is a Svelte action that monitors an element enters or leaves the viewport/parent element - svelte-inline-compile is a babel transform that allows for a much more pleasant experience when testing svelte components using Jest and `@testing-library/svelte` - `@feltcoop/svelte-mutable-store` is a Svelte store for mutable values with an `immutable` compiler option - headless-svelte-ui is a group of headless components that can be used in building Svelte Apps.

Did we miss something? Need help bringing your next idea to life in Svelte? Join us on Reddit or Discord.

See ya next month!