



Taking Flight with Tailwind CSS

- PHP and Front End Developer
- System Administrator
- Senior Engineer at Inviqa
- Part-time freelancer
- Open sourcer
- @opdavies
- oliverdavies.uk





What is Tailwind CSS?

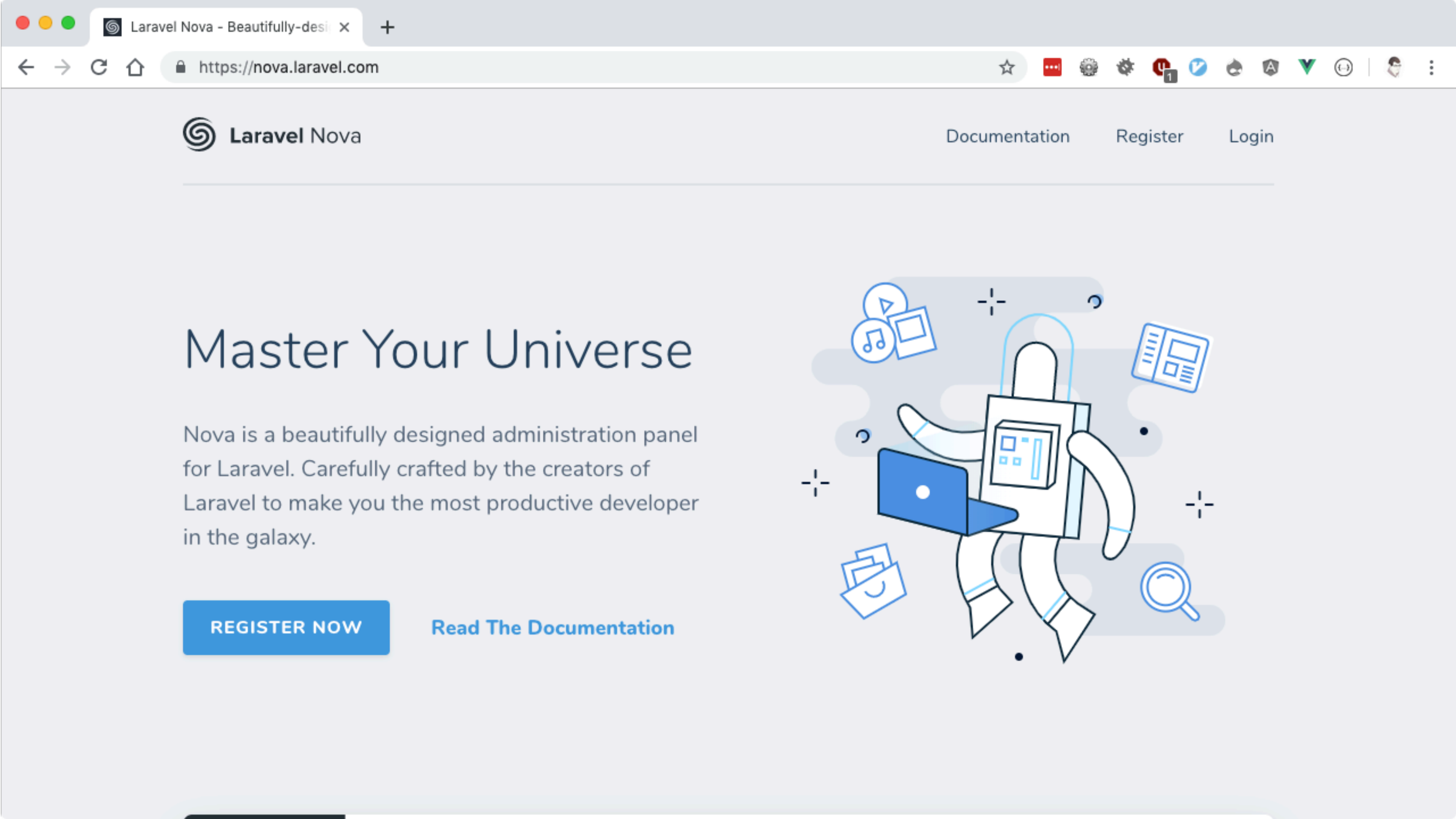
A **utility-first** CSS framework for
rapidly building **custom designs**.

Tailwind CSS is a **highly customizable, low-level CSS** framework

Tailwind is more than a CSS framework, it's an engine for **creating design systems.**

- Text/border/background colours
- Font size/family/weight
- Alignment
- Padding/margin/negative margin
- Flexbox
- Positioning
- Lists
- z-index
- Opacity

- Screenreader visibility
- Placeholder colour
- first-child, last-child, nth-child
- CSS Grid
- Transition
- Transform
- Spacing / Divide



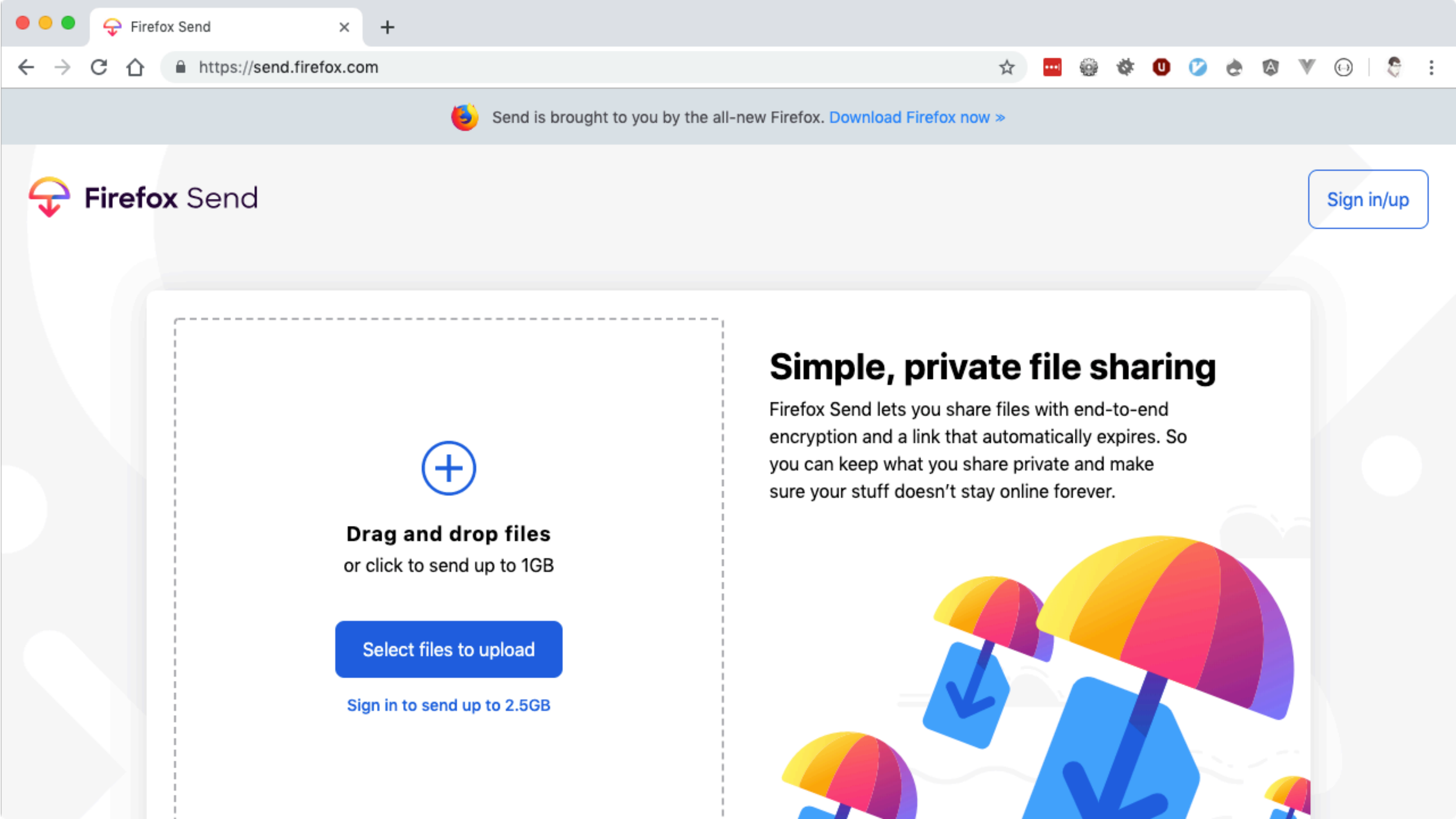
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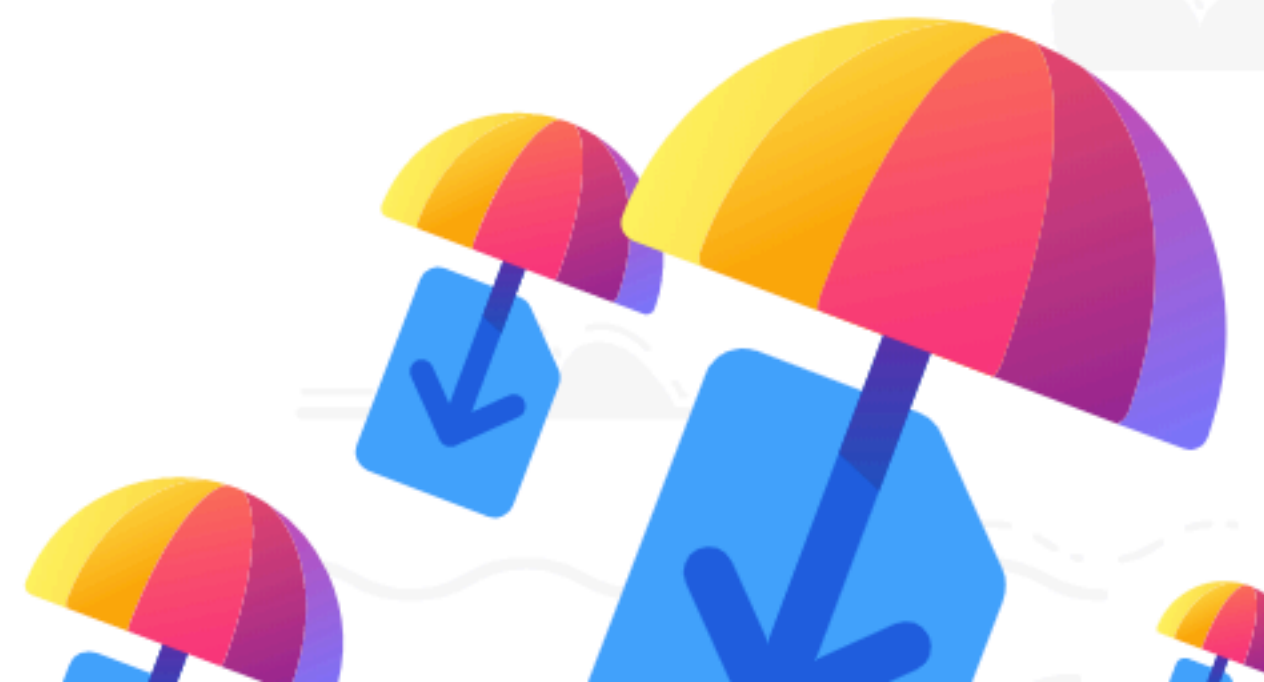
Drag and drop files
or click to send up to 1GB

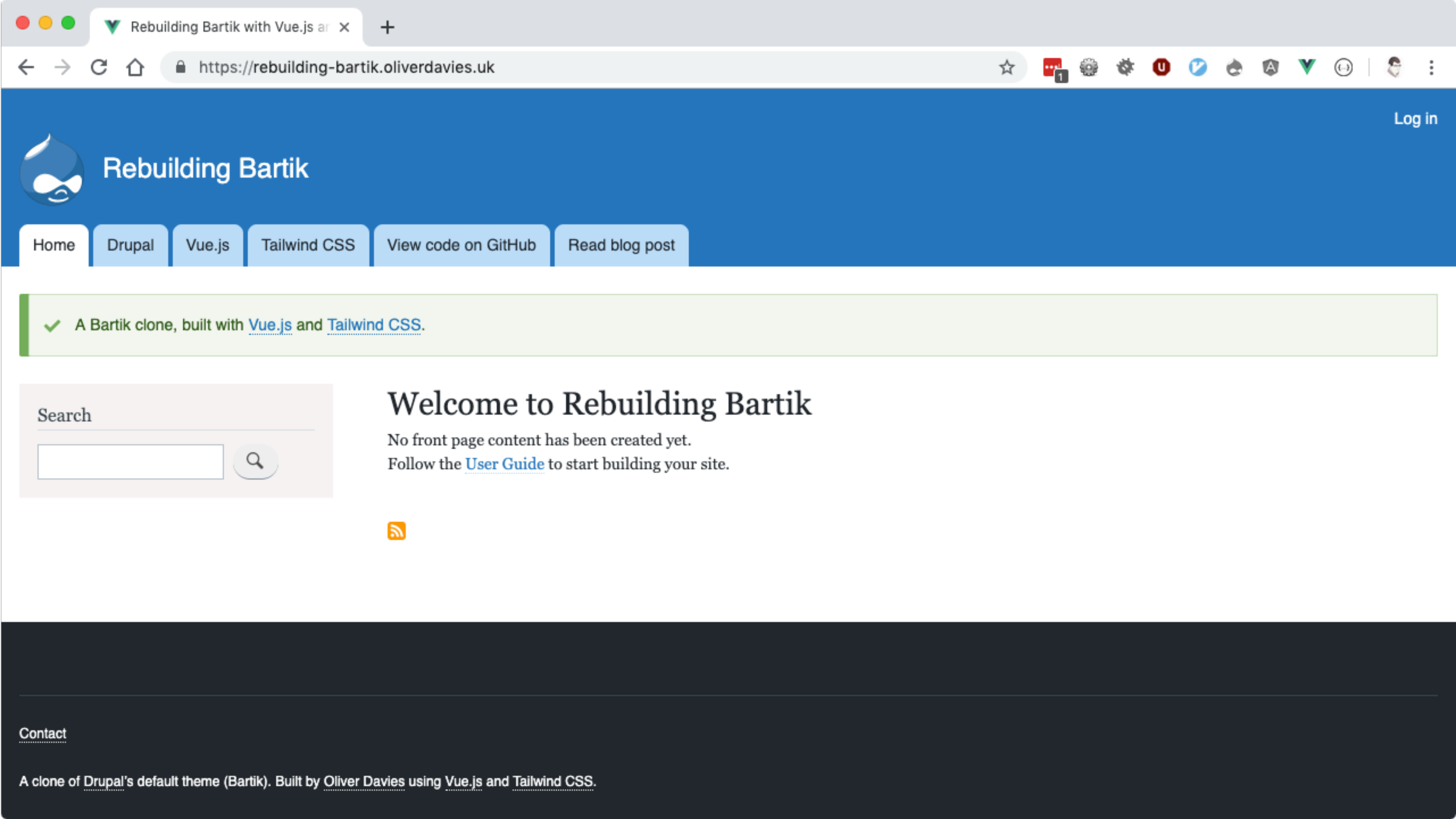
Select files to upload

[Sign in to send up to 2.5GB](#)

Simple, private file sharing

Firefox Send lets you share files with end-to-end encryption and a link that automatically expires. So you can keep what you share private and make sure your stuff doesn't stay online forever.





✓ A Bartik clone, built with [Vue.js](#) and [Tailwind CSS](#).

Search



Welcome to Rebuilding Bartik

No front page content has been created yet.
Follow the [User Guide](#) to start building your site.



How do I use Tailwind?

With Tailwind, you style elements
by applying pre-existing classes
directly in your HTML.

Using **utility classes** to build custom designs **without writing CSS**

Benefits

- You aren't wasting time and energy inventing class names
- Your CSS stops growing
- Making changes feels safer



```
1 <div class="bg-white rounded-lg">
2   
3   <div>
4     <h2>Erin Lindford</h2>
5     <div>Customer Support</div>
6     <div>erinlindford@example.com</div>
7     <div>(555) 765-4321</div>
8   </div>
9 </div>
```



Erin Lindford
Customer Support
erinlindford@example.com
(555) 765-4321



```
1 <div class="bg-white rounded-lg p-6">
2   
3   <div>
4     <h2>Erin Lindford</h2>
5     <div>Customer Support</div>
6     <div>erinlindford@example.com</div>
7     <div>(555) 765-4321</div>
8   </div>
9 </div>
```



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```
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8   </div>
9 </div>
```



Erin Lindford
Customer Support
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(555) 765-4321



```
1 <div class="bg-white rounded-lg p-6">
2   
3   <div>
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div>Customer Support</div>
6     <div>erinlindford@example.com</div>
7     <div>(555) 765-4321</div>
8   </div>
9 </div>
```



Erin Lindford

Customer Support

erinlindford@example.com

(555) 765-4321



```
1 <div class="bg-white rounded-lg p-6">
2   
3   <div>
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div>erinlindford@example.com</div>
7     <div>(555) 765-4321</div>
8   </div>
9 </div>
```



Erin Lindford

Customer Support

erinlindford@example.com

(555) 765-4321



```
1 <div class="bg-white rounded-lg p-6">
2   
3   <div>
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div class="text-gray-600">erinlindford@example.com</div>
7     <div class="text-gray-600">(555) 765-4321</div>
8   </div>
9 </div>
```



Erin Lindford

Customer Support

erinlindford@example.com

(555) 765-4321



```
1 <div class="bg-white rounded-lg p-6">
2   
3   <div class="text-center">
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div class="text-gray-600">erinlindford@example.com</div>
7     <div class="text-gray-600">(555) 765-4321</div>
8   </div>
9 </div>
```



Erin Lindford

Customer Support

erinlindford@example.com

(555) 765-4321



```
1 <div class="md:flex bg-white rounded-lg p-6">
2   
3   <div class="text-center">
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div class="text-gray-600">erinlindford@example.com</div>
7     <div class="text-gray-600">(555) 765-4321</div>
8   </div>
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```



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```
1 <div class="md:flex bg-white rounded-lg p-6">
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4     <h2 class="text-lg">Erin Lindford</h2>
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6     <div class="text-gray-600">erinlindford@example.com</div>
7     <div class="text-gray-600">(555) 765-4321</div>
8   </div>
9 </div>
```



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```
1 <div class="md:flex bg-white rounded-lg p-6">
2   <img class="h-16 w-16 rounded-full mx-auto md:mx-0 md:mr-6" s
3   <div class="text-center md:text-left">
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div class="text-gray-600">erinlindford@example.com</div>
7     <div class="text-gray-600">(555) 765-4321</div>
8   </div>
9 </div>
```



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(555) 765-4321



```
1 <div class="md:flex bg-white rounded-lg p-6">
2   <img class="h-16 w-16 md:h-24 md:w-24 rounded-full mx-auto md:
3   <div class="text-center md:text-left">
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div class="text-gray-600">erinlindford@example.com</div>
7     <div class="text-gray-600">(555) 765-4321</div>
8   </div>
9 </div>
```



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```
1 <div class="md:flex bg-white rounded-lg p-6">
2   <img class="h-16 w-16 md:h-24 md:w-24 rounded-full mx-auto md:
3   <div class="text-center md:text-left">
4     <h2 class="text-lg">Erin Lindford</h2>
5     <div class="text-purple-500">Customer Support</div>
6     <div class="text-gray-600">erinlindford@example.com</div>
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9 </div>
```



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How do I install Tailwind?

1. Use the CDN

**[https://unpkg.com/tailwindcss/dist/
tailwind.min.css](https://unpkg.com/tailwindcss/dist/tailwind.min.css)**

To get the most out of Tailwind, you really should install it via npm.

- You can't use any directives like *@apply*, *@variants*, etc.
- You can't enable features like *group-hover*
- You can't install third-party plugins

2. Installing Tailwind via NPM

```
npm install --save-dev  
tailwindcss
```

```
yarn add -D tailwindcss
```

Adding Tailwind to your CSS

```
/* src/css/app.pcss */
```

```
@tailwind base;
```

```
@tailwind components;
```

```
@tailwind utilities;
```

```
/* src/css/app.pcss */
```

```
@tailwind base;
```

```
/* Custom base styles go here */
```

```
@tailwind components;
```

```
/* Custom components go here */
```

```
@tailwind utilities;
```

```
/* Custom utilities go here */
```

Processing your CSS with Tailwind with the build command


```
npm run tailwind build  
  src/css/app.pcss  
-o dist/css/app.css
```

```
.text-left {  
  text-align: left;  
}
```

```
.text-center {  
  text-align: center;  
}
```

```
.text-right {  
  text-align: right;  
}
```

```
.text-justify {  
  text-align: justify;  
}
```

Processing your CSS with Tailwind with Laravel Mix

```
npm install --save-dev  
  laravel-mix
```

```
// webpack.mix.js
```

```
const mix = require('laravel-mix')
```

```
mix.postCss(  
  'src/css/app.pcss',  
  'dist/css',  
  [  
    require('tailwindcss')()  
  ]  
)
```

```
// webpack.mix.js
```

```
const mix = require('laravel-mix')
```

```
require('laravel-mix-tailwind')
```

```
mix.postCss('src/css/app.pcss', 'dist/css')  
    .tailwind()
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>My new website</title>
    <link rel="stylesheet" href="/dist/css/app.css" />
  </head>
  <body></body>
</html>
```

npm run dev

npm run watch

npm run prod

Interaction states

hover, focus, active, disabled, visited,
group-hover, focus-within,
first-child, last-child...

[state][separator][class]

hover:text-red-500

```
.text-red-500 {  
  color: #f56565;  
}
```

```
.hover\:text-red-500:hover {  
  color: #f56565;  
}
```

```
.focus\:text-red-500:focus {  
  color: #f56565;  
}
```

```
<a href="#" class="text-red-500 hover:text-red-800">  
  Read more  
</a>
```

```
// defaultConfig.stub.js
```

```
variants: {  
  alignContent: ['responsive'],  
  alignItems: ['responsive'],  
  alignSelf: ['responsive'],  
  appearance: ['responsive'],  
  backgroundAttachment: ['responsive'],  
  backgroundColor: ['responsive', 'hover', 'focus'],  
  backgroundPosition: ['responsive'],  
  backgroundRepeat: ['responsive'],  
  ...
```

Responsive

. [screen][separator][class]


```
// defaultConfig.stub.js
```

```
screens: {  
  sm: '640px',  
  md: '768px',  
  lg: '1024px',  
  xl: '1280px',  
},
```

md:flex

md: hover: bg-red-500

```
.block {  
  display: block;  
}  
  
@media (min-width: 640px) {  
  .sm\:block {  
    display: block;  
  }  
}  
  
@media (min-width: 768px) {  
  .md\:block {  
    display: block;  
  }  
}
```

```
<div class="block md:flex">
  <div class="w-full md:w-1/2">
    Column 1
  </div>

  <div class="w-full md:w-1/2">
    Column 2
  </div>
</div>
```

Keeping Things Small: Controlling the File Size

Disabling unused variants and core plugins

```
// tailwind.config.js
```

```
variants: {  
  alignContent: ['responsive'],  
  alignItems: ['responsive'],  
  alignSelf: ['responsive'],  
  appearance: ['responsive'],  
  backgroundAttachment: ['responsive'],  
  backgroundColor: ['responsive', 'hover', 'focus'],
```



```
// tailwind.config.js
```

```
variants: {  
  alignContent: ['responsive'],  
  alignItems: ['responsive'],  
- alignSelf: ['responsive'],  
+ alignSelf: false,  
  appearance: ['responsive'],  
  backgroundAttachment: ['responsive'],  
- backgroundColor: ['responsive', 'hover', 'focus'],  
+ backgroundColor: ['responsive'],
```

**Manually removing unused or
unwanted classes**

```
screens: {
  sm: '640px',
  md: '768px',
  lg: '1024px',
  xl: '1280px',
},
colors: {
  transparent: 'transparent',

  black: '#000',
  white: '#fff',

  gray: {
    100: '#f7fafc',
    200: '#edf2f7',
    300: '#e2e8f0',
    400: '#cbd5e0',
    500: '#a0aec0',
    600: '#718096',
    700: '#4a5568',
    800: '#2d3748',
    900: '#1a202c',
  },
},
```

```
screens: {
  sm: '640px',
  md: '768px',
  lg: '1024px',
- xl: '1280px',
},
colors: {
  transparent: 'transparent',

  black: '#000',
  white: '#fff',

  gray: {
    100: '#f7fafc',
-   200: '#edf2f7',
    300: '#e2e8f0',
-   400: '#cbd5e0',
-   500: '#a0aec0',
    600: '#718096',
    700: '#4a5568',
-   800: '#2d3748',
    900: '#1a202c',
  },
},
```

Automatically removing
unused classes

```
npm install --save-dev  
laravel-mix-purgecss
```

```
const mix = require('laravel-mix')

mix.postCss('src/css/site.css', 'dist/css').purgeCss({
  folders: ['templates'],
  extensions: ['html', 'php', 'twig'],
})
```

```
const mix = require('laravel-mix')  
  
require('laravel-mix-purgecss')  
  
mix.postCss('src/css/site.css', 'dist/css').purgeCss({  
  folders: ['templates'],  
  extensions: ['html', 'php', 'twig'],  
})
```


PurgeCSS is now **included by default** with Tailwind 1.4

```
module.exports = {  
  purge: [  
    './src/**/*.html',  
    './src/**/*.vue',  
    './src/**/*.jsx',  
  ],  
  theme: {},  
  variants: {},  
  plugins: [],  
}
```

Avoid repetition by **extracting**
components

Does something **justify**
becoming a component?

Could the duplication
be moved elsewhere?

```
{# base.html.twig #}

{% for item in navItems %}
    <a
        class="block py-3 px-4 text-sm text-gray-800"
        href="{{ item.url }}"
    >
        {{ item.title }}
    </a>
{% endfor %}
```

```
{# classes.html.twig #}
```

```
<h2>Adults</h2>
```

```
{% include 'class-list' with {  
    classes: page.classes,  
    type: 'adults',  
} %}
```

```
<h2>Kids</h2>
```

```
{% include 'class-list' with {  
    classes: page.classes,  
    type: 'kids',  
} %}
```

```
a.btn {  
  @apply text-sm no-underline font-bold;  
  @apply rounded-full inline-block px-5 py-2;  
  @apply text-white bg-blue-600;  
}
```

```
a.btn:hover {  
  @apply bg-blue-700;  
}
```



```
a.btn {  
  font-size: 0.875rem;  
  text-decoration: none;  
  font-weight: 700;  
  border-radius: 9999px;  
  display: inline-block;  
  padding-left: 1.25rem;  
  padding-right: 1.25rem;  
  padding-top: 0.5rem;  
  padding-bottom: 0.5rem;  
  color: #fff;  
  background-color: #3182ce;  
}
```

```
a.btn:hover {  
  background-color: #2b6cb0;  
}
```

Customising Tailwind

```
npx tailwind init
```

```
// tailwind.config.js
```

```
module.exports = {  
  theme: {  
    extend: {},  
  },  
  plugins: [],  
  variants: {},  
}
```

```
// tailwind.config.js

module.exports = {
  theme: {
    colors: {
      inherit: 'inherit',
    },
    extend: {},
  },
  plugins: [],
  variants: {},
}
```

```
// tailwind.config.js

module.exports = {
  theme: {
    extend: {
      colors: {
        inherit: 'inherit',
      },
    },
  },
  plugins: [],
  variants: {},
}
```

```
// tailwind.config.js
```

```
module.exports = {  
  prefix: '',  
  important: false,  
  theme: {  
    extend: {},  
  },  
  plugins: [],  
  variants: {},  
}
```

```
npx tailwind init --full
```


Extending Tailwind CSS with Plugins

```
npm install --save-dev  
tailwindcss-list-reset
```

```
// tailwind.config.js
```

```
module.exports = {  
  theme: {  
    extend: {},  
  },  
  plugins: [require('tailwindcss-list-reset')()],  
  variants: {},  
}
```

```
.list-reset {  
  list-style: none;  
  padding: 0;  
}
```

```
// index.js
```

```
module.exports = variants => ({addUtilities}) => {  
  addUtilities(  
    {  
      '.list-reset': {  
        listStyle: 'none',  
        padding: 0,  
      },  
    },  
    variants,  
  )  
}
```

Demo

Useful links

- tailwindcss.com
- tailwindui.com
- builtwithtailwind.com
- youtube.com/adamwathan
- drupal.org/project/tailwindcss
- oliverdavies.uk/tags/tailwind-css
- oliverdavies.uk/tailwind-repos

Questions?

oliverdavies.uk/tailwind-talk
@opdavies