



Taking Flight with Tailwind CSS

- PHP and Front End Developer
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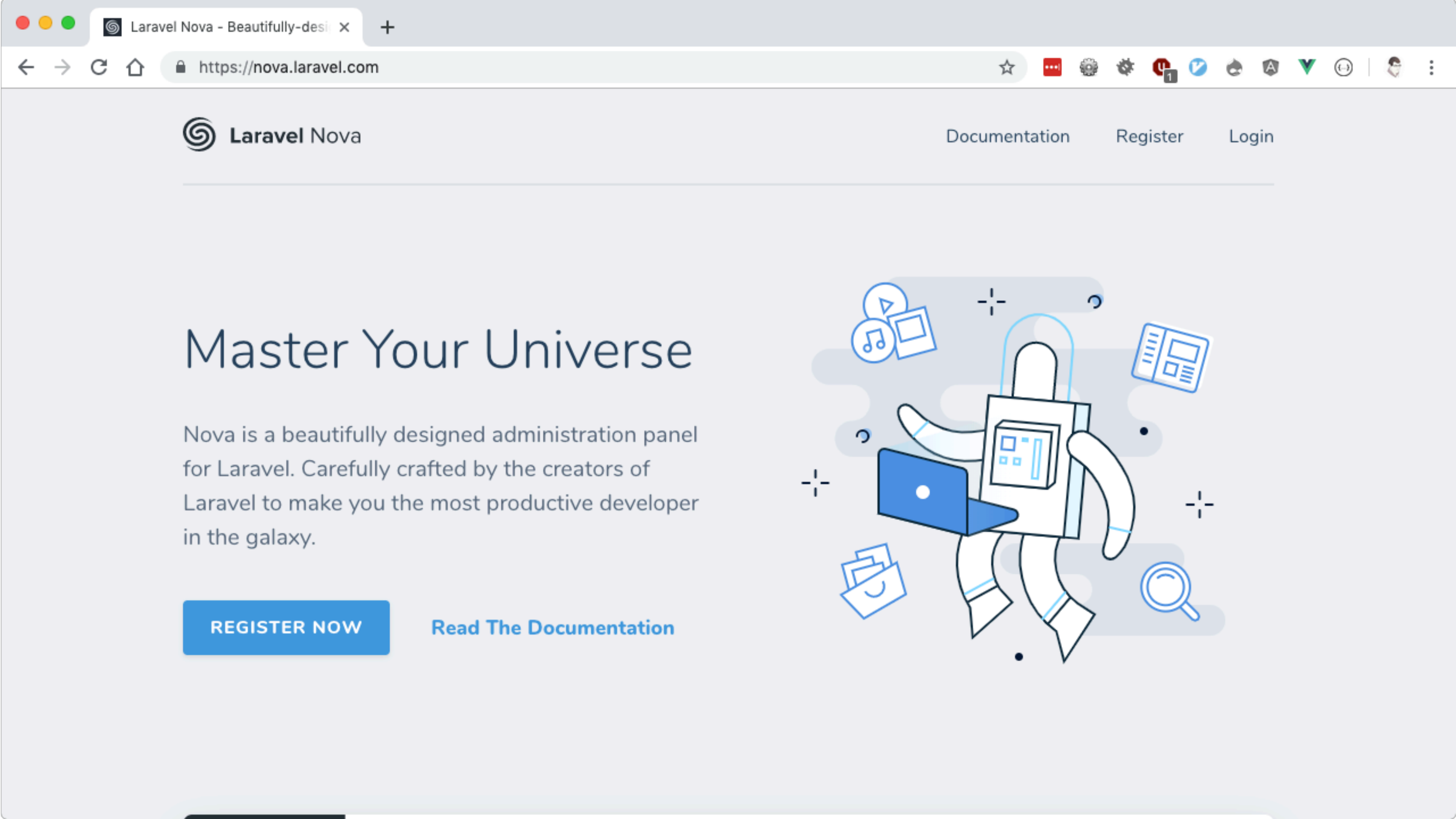
What is Tailwind CSS?

**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
- ...

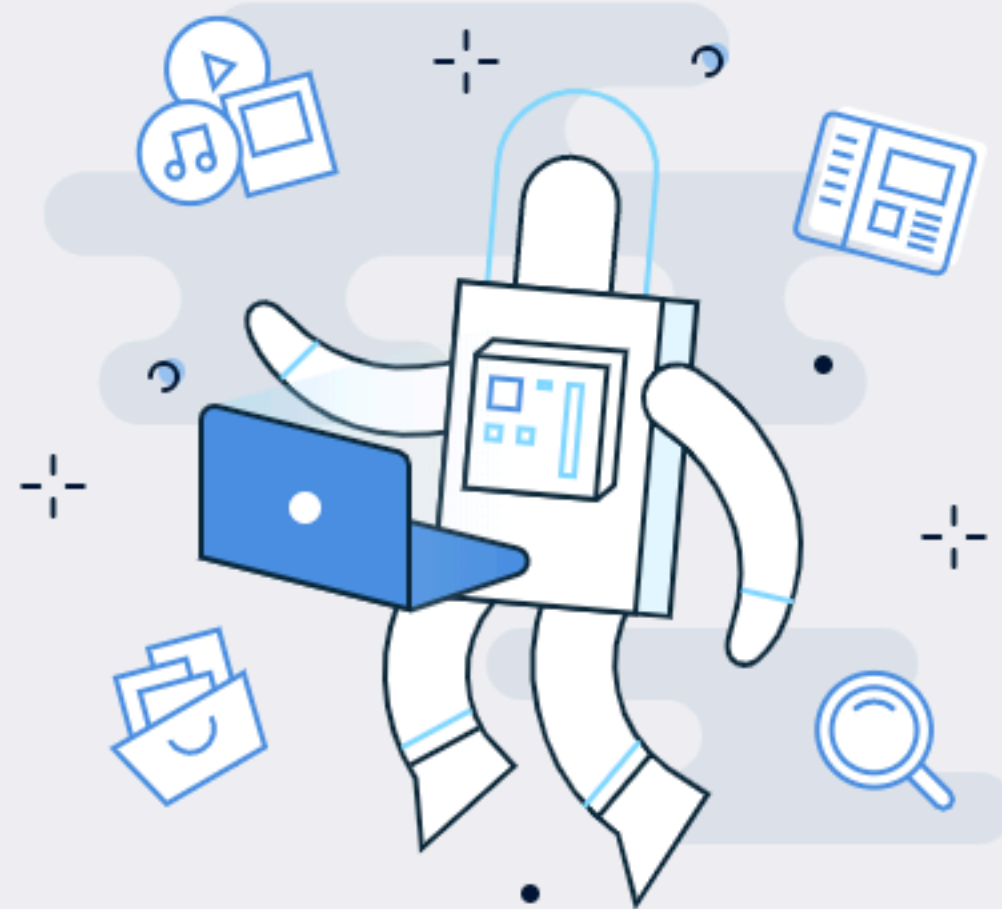


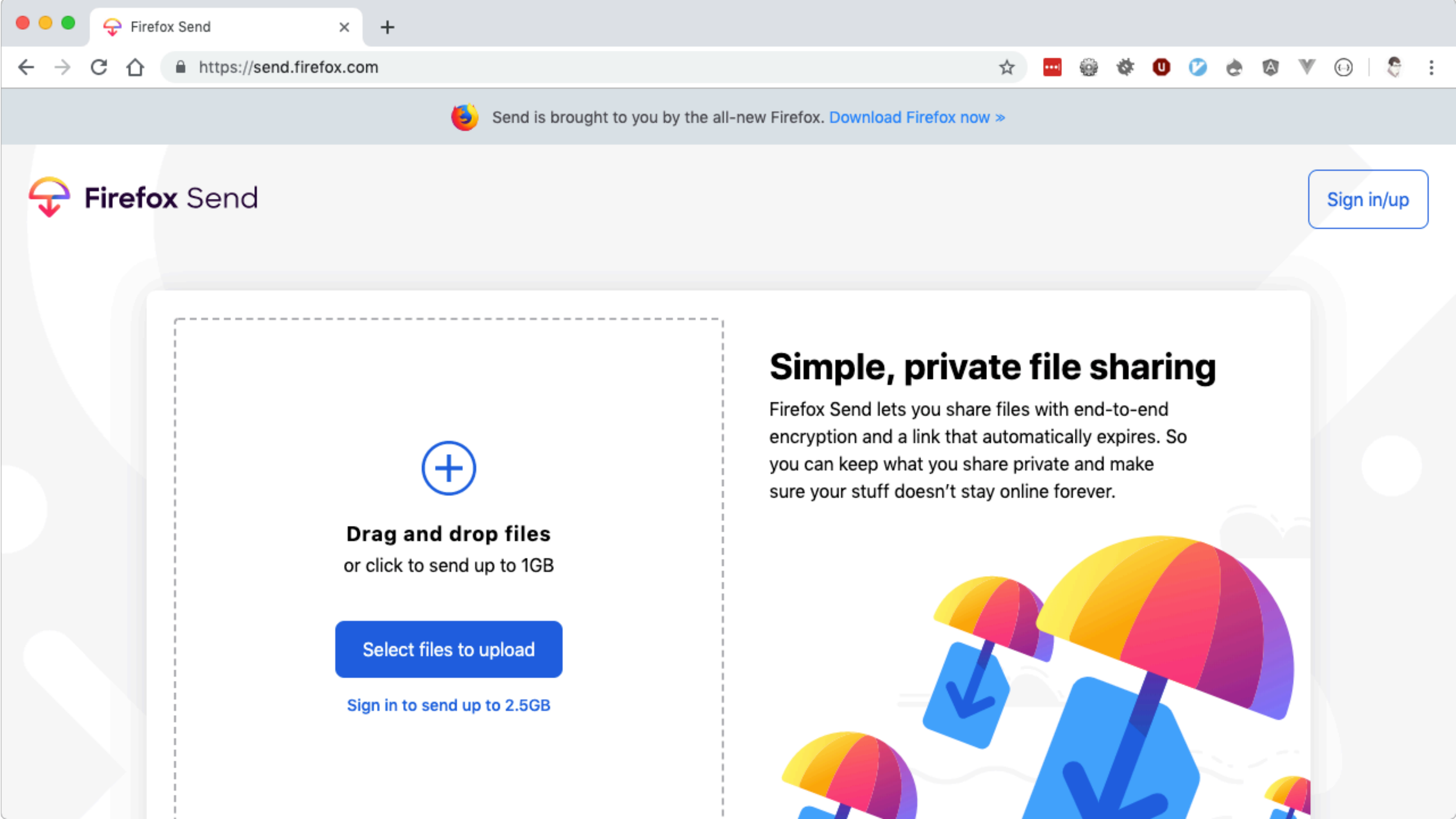
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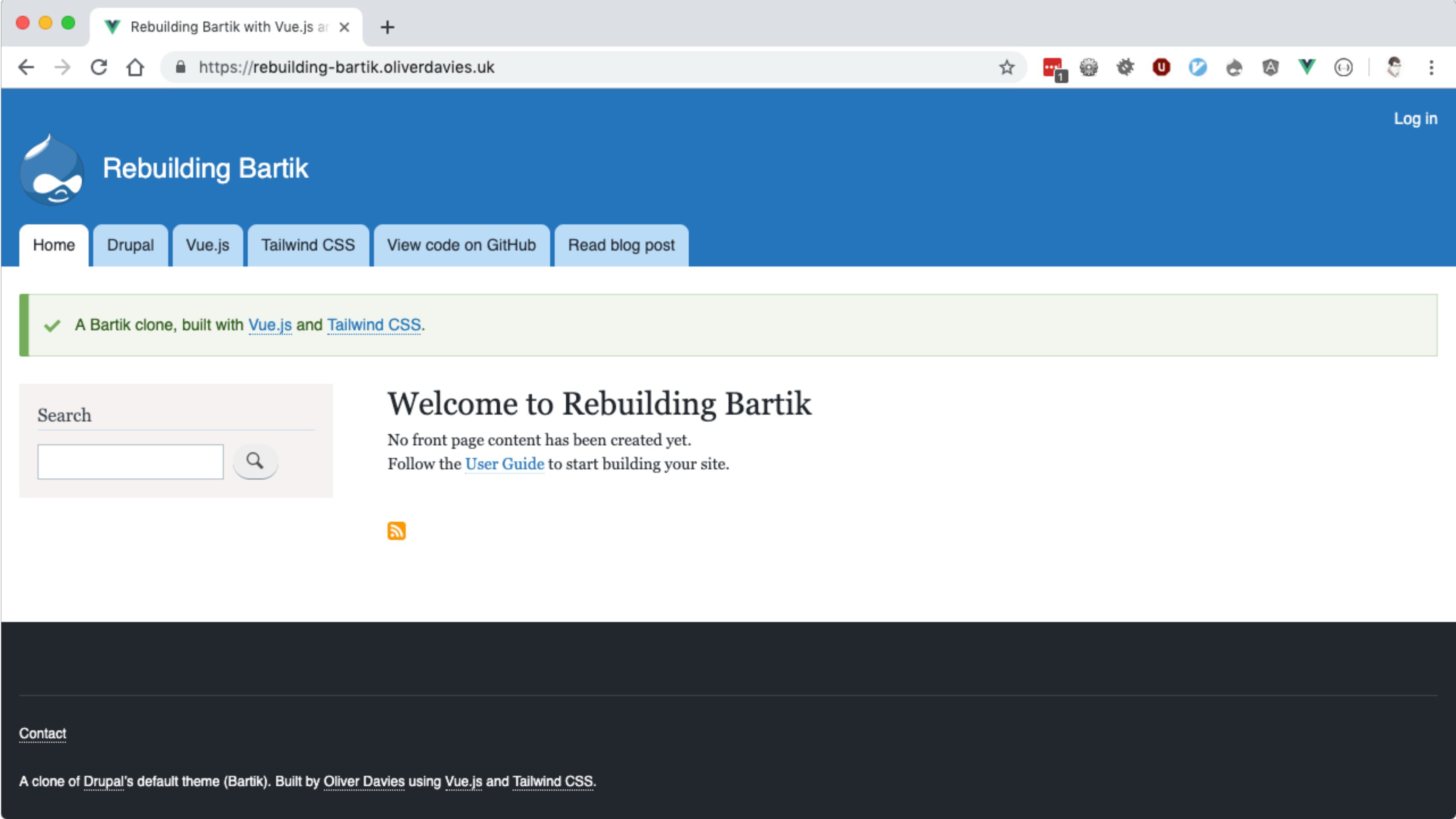
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Simple, private file sharing

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.





Rebuilding Bartik

- Home
- Drupal
- Vue.js
- Tailwind CSS
- View code on GitHub
- Read blog post

✓ 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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```
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>
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8   </div>
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```



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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>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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```



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```
1 <div class="md:flex bg-white rounded-lg p-6">
2   
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

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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 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>
```



Erin Lindford

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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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8   </div>
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.**

2. Installing Tailwind via NPM

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

```
yarn add -D tailwindcss
```

Adding Tailwind to your CSS

```
# src/css/style.css
```

```
@tailwind base;
```

```
@tailwind components;
```

```
@tailwind utilities;
```

```
# app.css
```

```
@tailwind base;
```

```
# Custom base styles
```

```
@tailwind components;
```

```
# Custom components
```

```
@tailwind utilities;
```

```
# Custom utilities
```

Processing your CSS with Tailwind with the build command

```
npx tailwind build  
  src/css/app.css  
-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
```

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

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

```
const mix = require('laravel-mix')  
  
require('laravel-mix-tailwind')  
  
mix.postCss('src/css/app.css', '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, group-hover, focus-within

. [state][separator][class]

```
.hover:text-red-500
```

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

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

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

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

```
// 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

```
<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>
```

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

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']
  })
```

Avoiding Repetition: 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

```
npm 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

Resources

- tailwindcss.com
- tailwindcomponents.com
- builtwithtailwind.com
- github.com/aniftyco/awesome-tailwind
- youtube.com/adamwathan
- opdavi.es/tailwind-repos
- opdavi.es/tags/tailwind-css

Questions?

Thanks!

opdavi.es/talks/tailwind

@opdavies

oliverdavies.uk