

TAKING FLIGHT WITH TAILWIND CSS

- ▶ **Full Stack Web Developer & System Administrator**
- ▶ **Senior Developer at Microserve**
- ▶ **Part-time freelancer**
- ▶ **Acquia certified Drupal 8 Grand Master**
- ▶ **Drupal 7 & 8 core contributor**
- ▶ **Symfony, Laravel, ~~Silex~~, Sculpin**
- ▶ **@opdavies**
- ▶ **www.oliverdavies.uk**



- ▶ <https://microserve.io>
- ▶ <https://www.drupal.org/microserve>
- ▶ <https://github.com/microserve-io>
- ▶ <https://twitter.com/microserveltd>
- ▶ <https://www.linkedin.com/company/microserve-ltd>



**A UTILITY-FIRST CSS
FRAMEWORK FOR RAPID UI
DEVELOPMENT**

A CSS FRAMEWORK WITH NO CSS

A DIFFERENT WAY TO WRITE CSS

- ▶ **Developed by Adam Wathan and others**
- ▶ **Utility CSS class generator**
- ▶ **PostCSS**
- ▶ **Configured with JavaScript**
- ▶ **Some preprocessor features**
- ▶ **Can be used in addition to preprocessors**
- ▶ **Open source**

```
.title {  
  background-color: #3490DC;  
  color: #FFF;  
  display: block;  
  font-size: 1.5rem;  
  padding: 2rem;  
}
```

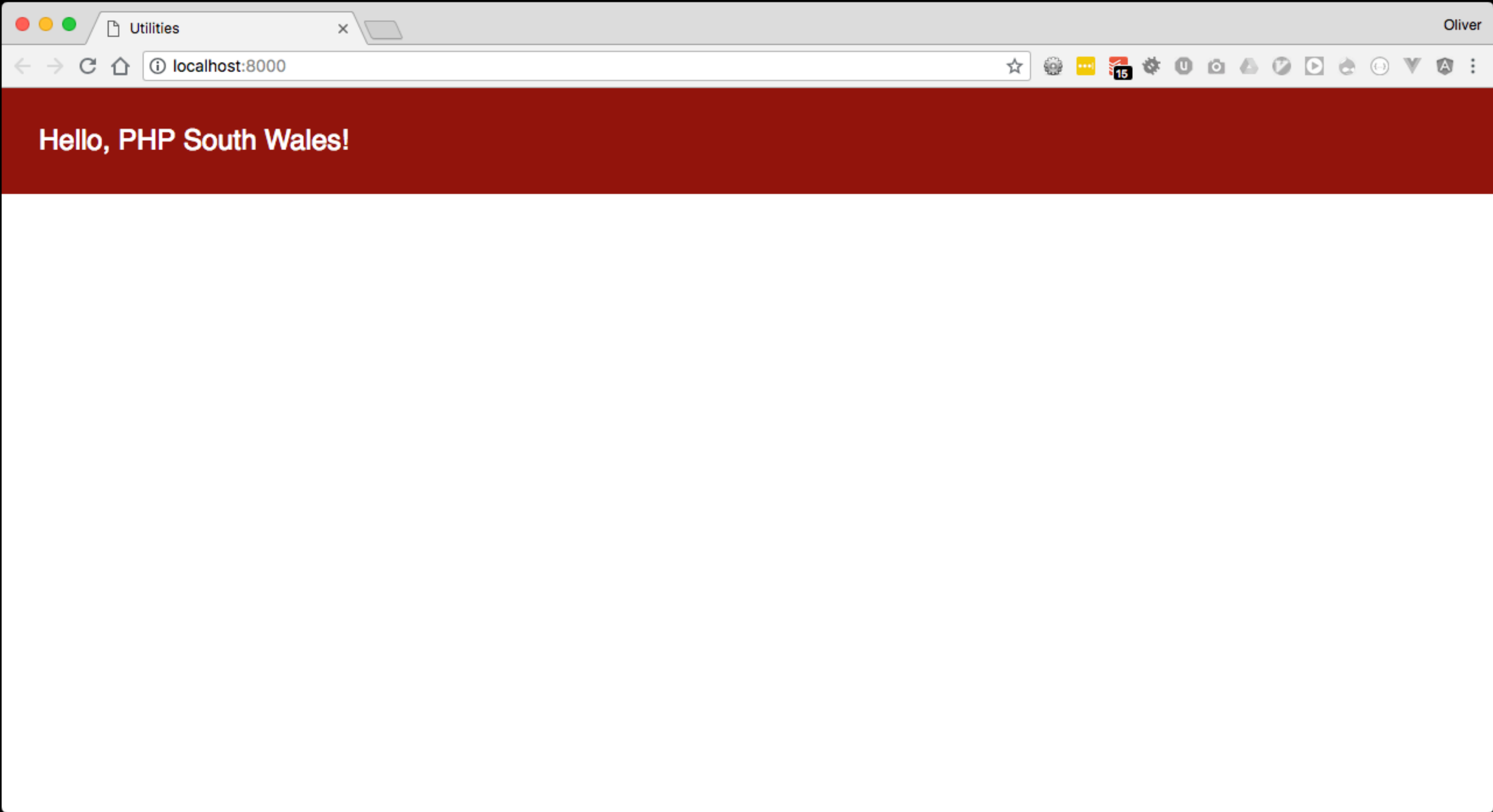


```
.text-2xl {  
  font-size: 1.5rem;  
}
```

```
.bg-red {  
  background-color: #93140B;  
}
```

```
.text-white {  
  color: #FFF;  
}
```

```
<div class="text-2xl bg-red text-white p-8">  
  <p>Hello, PHP South Wales!</p>  
</div>
```



Hello, PHP South Wales!

INSTALLATION

OPTION 1

<https://cdn.jsdelivr.net/npm/tailwindcss/dist/tailwind.min.css>

OPTION 2

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

```
yarn add tailwindcss --dev
```

```
./node_modules/.bin/tailwind init [filename]
```

```
// tailwind.js

var colors = {
  'transparent': 'transparent',

  'black': '#222b2f',
  'grey-darkest': '#364349',
  'grey-darker': '#596a73',
  'grey-dark': '#70818a',
  'grey': '#9babb4',
  'grey-light': '#dae4e9',
  'grey-lighter': '#f2f2f2',
  'grey-lightest': '#fafcfc',
  'white': '#ffffff',
  ...
}
```

```
// app.css
```

```
@tailwind preflight;
```

```
@tailwind components;
```

```
@tailwind utilities;
```



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

```
let mix = require('laravel-mix');
```

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

```
mix.postCss('build', 'assets/css/app.css')  
  .tailwind();
```

```
// webpack.config.js
```

Encore

```
  .setOutputPath('public/build/')
```

```
  .setPublicPath('/build')
```

```
  .addStyleEntry('app', './assets/css/app.css')
```

```
  .enablePostCssLoader()
```

```
;
```

```
// postcss.config.js
```

```
module.exports = {  
  plugins: [  
    require('tailwindcss')('./tailwind.js'),  
  ]  
}
```

```
<head>
```

```
  <title>Hello, World!</title>
```

```
  <link rel="stylesheet" href="/build/app.css">
```

```
...
```

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

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

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

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

...

```
<div class="text-2xl bg-red text-white p-8">  
  <p>Hello, PHP South Wales!</p>  
</div>
```



Hello, PHP South Wales!

CONFIGURATION


```
// tailwind.js
```

```
var colors = {
```

```
  ...
```

```
  'blue-darkest': '#05233b',
```

```
  'blue-darker': '#103d60',
```

```
  'blue-dark': '#2779bd',
```

```
  'blue': '#0678be',
```

```
  'blue-light': '#6cb2eb',
```

```
  'blue-lighter': '#bcdefa',
```

```
  'blue-lightest': '#eff8ff',
```

```
  ...
```

```
}
```

```
screens: {  
  'sm': '576px',  
  'md': '768px',  
  'lg': '992px',  
  'xl': '1200px',  
}
```

```
textSizes: {  
  'xs': '.75rem', // 12px  
  'sm': '.875rem', // 14px  
  'base': '1rem', // 16px  
  'lg': '1.125rem', // 18px  
  'xl': '1.25rem', // 20px  
  '2xl': '1.5rem', // 24px  
  '3xl': '1.875rem', // 30px  
  '4xl': '2.25rem', // 36px  
  '5xl': '3rem', // 48px  
}
```

```
width: {  
  'auto': 'auto',  
  'px': '1px',  
  '1': '0.25rem',  
  '2': '0.5rem',  
  '3': '0.75rem',  
  '4': '1rem',  
  '6': '1.5rem',  
  '8': '2rem',  
  '10': '2.5rem',  
  '12': '3rem',  
  '16': '4rem',  
  '24': '6rem',  
  ...  
}
```

```
padding: {  
  'px': '1px',  
  '0': '0',  
  '1': '0.25rem',  
  '2': '0.5rem',  
  '3': '0.75rem',  
  '4': '1rem',  
  '5': '1.25rem',  
  '6': '1.5rem',  
  '8': '2rem',  
  '16': '4rem',  
}
```

```
options: {  
  prefix: '',  
  important: false,  
  separator: ':',  
}
```

- ▶ **Colours (text and background)**
- ▶ **Font family, size, weight**
- ▶ **Leading (line height), tracking (letter spacing)**
- ▶ **Border widths, colours, radius**
- ▶ **Width, height, min/max width/height**

- ▶ **Padding, margin (positive and negative)**
- ▶ **Shadows**
- ▶ **Z-index**
- ▶ **Opacity**
- ▶ **SVG fill, stroke**
- ▶ **Screen sizes (breakpoints)**

STATES

HOVER, FOCUS, ACTIVE, GROUP HOVER

. {state}{separator}{class}

```
<a class="bg-grey hover:bg-grey-dark focus:bg-grey-dark" href="/">  
  Home  
</a>
```

```
<a class="group">
  
  <div class="no-underline group-hover:underline">
    {{ speaker.name }}
  </div>
</a>
```

RESPONSIVE

. {screen} {separator} {class}

```
<div class="w-full md:w-1/2 lg:w-1/4">  
  <p>Hello, World!</p>  
</div>
```

EXTRACTING COMPONENTS

**DO YOU NEED TO EXTRACT
A COMPONENT?**

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

```
<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 href="inline-block rounded text-sm py-2 px-3 text-white bg-red">  
  Click me!  
</a>
```

```
<a href="inline-block rounded text-sm py-2 px-3 text-white bg-green">  
  Click me too!  
</a>
```

```
# main.css
```

```
.button {  
    @apply .inline-block;  
    @apply .rounded;  
    @apply .text-sm;  
    @apply .py-2;  
    @apply .px-3;  
    @apply .text-white;  
}
```

```
<a href="button bg-red">
```

```
  Click me!
```

```
</a>
```

```
<a href="button bg-green">
```

```
  Click me too!
```

```
</a>
```

```
// table.less
```

```
.table-responsive {  
  @apply .mb-4 .border .w-full;  
  overflow-x: auto;  
  overflow-y: hidden;  
}
```

```
.table-responsive table {  
  @apply .mb-0 .border-0 .whitespace-no-wrap;  
}
```

```
.table {  
  @apply .w-full .table-collapse;  
}
```

```
.table tr:nth-child(odd) {  
  @apply .bg-grey-lightest;  
}
```

```
.table tr th {  
  @apply .text-left .p-3 .bg-white;  
}
```

```
.table td {  
  @apply .px-3 .py-3 .border-t;  
}
```

ADVANTAGES

- ▶ **Quick to prototype and make changes**
- ▶ **Write less CSS**
- ▶ **More consistency**
- ▶ **Easy to customise, promote to components**
- ▶ **Mix and match with normal CSS**
- ▶ **Easy to write reusable plugins**
- ▶ **Use PurgeCSS to remove unused classes**

DISADVANTAGES

- ▶ **Extra build tools and steps**
- ▶ **Lots of classes in markup**
- ▶ **Large file size by default**

Refactoring UI

Tired of relying on Bootstrap?

Learn how to **design awesome UIs by yourself** using **specific tactics** explained from a **developer's point-of-view**.

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DESIGN TIPS

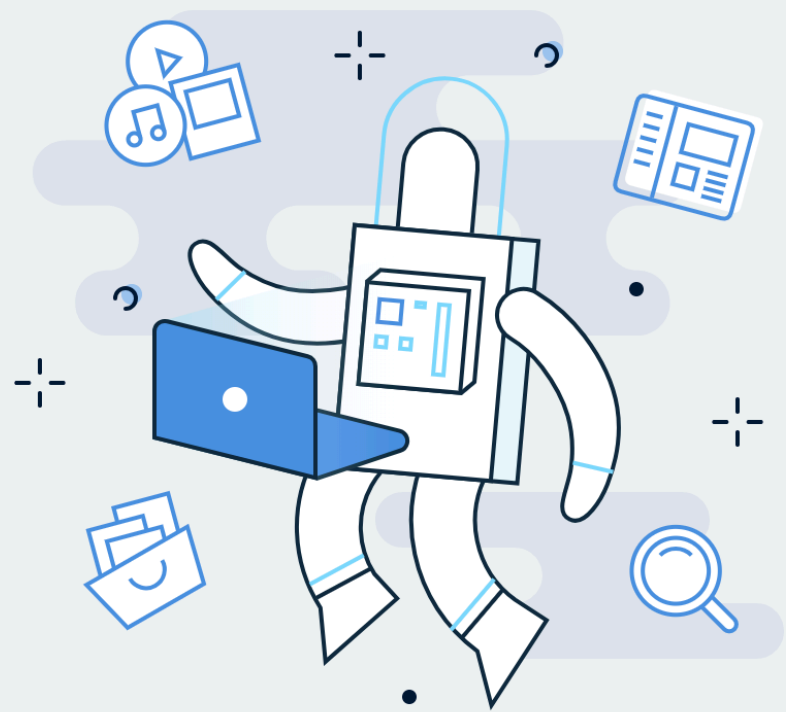
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HOME

EVENTS

SPONSORS

PHP South Wales is the local PHP user group for those living in the South Wales region of the United Kingdom. We generally talk about all things PHP and related technologies. Anybody is welcome, no matter on skill level or technologies used.

Want to get involved? Simply join our slack channel for the latest information, or help. [Join us on Slack](#)

UPCOMING EVENTS

[View all](#)

First official Meetup

RESOURCES

- ▶ tailwindcss.com
- ▶ tailwindcomponents.com
- ▶ github.com/merchedhq/awesome-tailwindcss
- ▶ youtube.com/adamwathan
- ▶ github.com/opdavies/oliverdavies.uk
- ▶ github.com/phpsw/phpsw-ng

THANKS!

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