Starting soon!

Tailwind CSS & Web Comp

JFSS CS Club 2022/23
Aritro

Tailwind CSS

Tailwind CSS

- CSS Framework
- Premade styles, so you don’t have to write CSS
- Simplifies responsive design, consistent styles everywhere

Tailwind CSS

- Example:

```
<figure class="bg-slate-100 rounded-xl p-8 dark:bg-slate-800">
  <img class="w-24 h-24 rounded-full mx-auto" src="/sarah-dayan.jpg" alt="" width="384"
height="512">
  <div class="pt-6 space-y-4">
    <blockquote>
      <p class="text-lg font-medium">
        “Tailwind CSS is the only framework that I've seen scale
        on large teams. It’s easy to customize, adapts to any design,
        and the build size is tiny.”
      </p>
    </blockquote>
    <figcaption class="font-medium">
      <div>
        Sarah Dayan
      </div>
      <div>
        Staff Engineer, Algolia
      </div>
    </figcaption>
  </div>
</figure>
```

Responsive Design

- Website can be accessed anywhere
  - From 32in 4K monitor to 720p 5in phone screen
- Have to make sure that everyone can view nicely
  - No horizontal scroll
  - Text & images are appropriate size

Responsive Design

- Don’t want to make different websites for each device
  - Takes too long, need to change all versions every time
- CSS can change based on what device its on

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CSS Media Queries

- CSS can change based on screen size
- Example:

Tailwind CSS

- Writing media queries for every single class is annoying
  - Takes a lot of work & lots of LOC
- Tailwind simplifies much more, prefix to class

Installing Tailwind CSS

Installing Tailwind CSS (React)

```
> npm install -D tailwindcss postcss autoprefixer
> npx tailwindcss init -p
```

tailwind.config.js

```
/** @type {import('tailwindcss').Config} */
module.exports = {
  content: [
    "./src/**/*.{js,jsx,ts,tsx}",
  ],
  theme: {
    extend: {},
  },
  plugins: [],
}
```

App.js

```
export default function App() {
  return (
    <h1 className="text-3xl font-bold underline">
      Hello world!
    </h1>
  )
}
```

index.css

```
@tailwind base;
@tailwind components;
@tailwind utilities;
```

Installing Tailwind CSS (HTML)

```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale
  <script src="https://cdn.tailwindcss.com"></script>
</head>
<body>
  <h1 class="text-3xl font-bold underline">
    Hello world!
  </h1>
</body>
</html>
```

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