

Starting soon!

# Tailwind CSS & Web Comp

JFSS CS Club 2022/23  
Aritro



# Tailwind CSS

The background of the slide is a solid blue color. Overlaid on this background are several decorative, wavy lines composed of small, dark blue dots. These lines flow from the bottom left towards the top right, creating a sense of movement and modern design.

# 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">
  
  <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:



```
@media (min-width: 1200px) and (orientation: landscape)
{ /* ... */
}
```



# 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

The background is a solid blue color. Overlaid on this background are several wavy, horizontal lines composed of small, dark blue dots. These lines create a sense of motion and depth, flowing from the left side towards the right, with some lines appearing more prominent than others.

# 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: [],  
}
```

index.css

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

App.js

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

# Installing Tailwind CSS (HTML)

```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="https://cdn.tailwindcss.com"></script>
</head>
<body>
  <h1 class="text-3xl font-bold underline">
    Hello world!
  </h1>
</body>
</html>
```

# Web Development Competition

The background features several wavy, horizontal lines composed of small dots. These lines are in various shades of blue, ranging from a very dark navy to a lighter sky blue. They flow across the frame from left to right, creating a sense of motion and depth. The dots are arranged in a way that makes the lines appear to have a three-dimensional, undulating quality.



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