

Why use Tailwind CSS? : Tailwind Tutorial #3

In this article, you will know about the advantages of using Tailwind CSS. You can check out one of our tutorials to build your first Tailwind CSS website by clicking [here](#). Let's get started with the tutorial!

Advantages of using Tailwind CSS

1. Eliminate the Need of reinventing class name

By using Tailwind CSS, One can easily obliterate the requirement of reinventing the class name. In the case of writing Traditional CSS, one has to add a large number of class names while creating a single component. For example: While creating a section, a number of classes such as section-heading, section-para, etc are created.

2. No Risk of Breaking the existing template

While using Tailwind CSS, you can easily style the elements by applying pre-existing utility classes directly in your HTML. The biggest advantage of the Utility first approach is that all your components become independent. Thus, It eliminates the risk of providing the same class to two different components. For example: While creating a Header and Footer, A person can unintentionally provide the same class to both components and thus hampering the development.

3. Faster CSS Styling Process

Tailwind CSS is one of the fastest frameworks for styling HTML. As a result, one can effortlessly create stunning layouts by styling elements directly.

You can try to create a landing page with the help of Traditional CSS and Tailwind CSS to experience the efficient process of using the Tailwind CSS.

4. Responsiveness

In Tailwind CSS, a variety of breakpoints helps in constructing responsive designs. This simply means that you can easily change the CSS at a particular breakpoint. Thus, You can comfortably add the different classes for the different devices in the same element.

Setting Up Tailwind CSS for Production

You might know the procedure of setting up Tailwind CSS for development with the help of Play CDN. However, there is a slight difference in the process of setting Tailwind CSS for production. Let's discuss it out!

To set up Tailwind CSS for production, you have to execute the below set of commands:

```
npm init -y
```

This command will initialize the directory as a NodeJS project.

```
npm install -D tailwindcss postcss autoprefixer vite
```

This command will install the required packages.

```
npx tailwindcss init-p
```

The execution of this command will generate the configure file of Tailwind CSS.

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- Create an "Input.css" file
- Add below text to your HTML and edit it with the below piece of content:
@tailwind base;
@tailwind components;
@tailwind utilities;
- In the tailwind.config.js file, You have to replace "content: []" with "content: ["*"]".
- Moreover, You have to add "start": "vite" to your scripts in package.json.
- Finally, you have to run the npm run start command to start a dev server.

In the upcoming videos, we will begin understanding Tailwind CSS from start to end. In addition to this, we will be covering a lot of new concepts of Tailwind by creating some astonishing projects.