

# TailWind CSS

Course Code: CSC 4182    Course Title: Advanced Programming In Web Technologies



**Dept. of Computer Science**  
**Faculty of Science and Technology**

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# Lecture Outline



- ✓ Tailwind CSS
- ✓ Key Features of Tailwind
- ✓ Installation
- ✓ Configure Project
- ✓ Using TailWind
- ✓ Tailwind Documentation
- ✓ Tailwind Resources

# Tailwind CSS



- Tailwind CSS is a popular utility-first CSS framework that provides a set of **pre-defined CSS classes** that you can use to style your HTML elements.
- It includes a comprehensive set of responsive design classes, which makes it easy to create responsive layouts for your website.
- The framework is designed to be highly customizable and modular, allowing **you to choose only the classes you need** and tailor them to your specific design requirements.
- This can help you achieve a more efficient workflow and faster development times.

# Key Features of Tailwind



- A comprehensive set of pre-defined utility classes
- A responsive design system that makes it easy to create responsive layouts
- Customizable color, typography, and spacing options
- A modular architecture that makes it easy to customize and extend
- Easy integration with popular front-end frameworks and tools
- is also designed to be highly consistent and easy to maintain.

# Installation



Goto nextjs project and open the cmd write following commands;

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

# Configure Project



Add the paths to all of your template files in your **tailwind.config.js** file.

```
/** @type {import('tailwindcss').Config} */
module.exports = {
  content: [
    "./app/**/*..{js,ts,jsx,tsx,mdx}",
    "./pages/**/*..{js,ts,jsx,tsx,mdx}",
    "./components/**/*..{js,ts,jsx,tsx,mdx}",

  ],
  theme: {
    extend: {},
  },
  plugins: [],
}
```

# Configure Project



Open the 'global.css' file and add following directives on the top of the file

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

Import Tailwind CSS in your pages/\_app.js file. You can do this by adding the following code to your \_app.js file:

```
import '../styles/globals.css';
```

# Using TailWind



To use Tailwind CSS classes in your components. You can now use Tailwind CSS classes in your Next.js components, like this:

```
function MyComponent() {  
  return (  
    <div className="bg-blue-500 text-white p-4">  
      This is my component!  
    </div>  
  )  
}
```

This will apply the bg-blue-500, text-white, and p-4 classes from Tailwind CSS to your component, which will set the background color, text color, and padding, respectively.



# Tailwind Documentation



The official Tailwind CSS documentation provides a comprehensive list of classes and their corresponding CSS properties.

<https://tailwindcss.com/docs/preflight>

# Tailwind Resources



Following **plugins** provide examples to create different templates in short time

<https://daisyui.com/>

<https://tailblocks.cc/>

<https://flowbite.com/>

<https://tailwind-elements.com/docs/standard/designblocks/landing-page/>



# References

1. W3Schools Online Web Tutorials, URL: <http://www.w3schools.com>
2. Next.js, URL: <https://nextjs.org/>
3. Mozilla Developer Networks, URL: <https://developer.mozilla.org/>
4. Tailwind CSS Documentation, URL: <https://tailwindcss.com/docs/installation>



Thank You!