

**Tailwind CSS** is a **utility-first CSS framework** that helps you build web designs directly in your HTML using small reusable classes instead of writing custom CSS.

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## □ Simple definition

Tailwind CSS lets you style elements like this:

```
<button class="bg-blue-500 text-white px-4 py-2 rounded">  
  Click me  
</button>
```

Instead of writing separate CSS like:

```
button {  
  background-color: blue;  
  color: white;  
  padding: 10px 16px;  
  border-radius: 6px;  
}
```

---

## □ Core idea (very important)

Tailwind = “**build designs using utility classes**”

Each class does ONE small thing:

Class	Meaning
bg-blue-500	blue background
text-white	white text
p-4	padding
m-2	margin
flex	flexbox layout
grid	grid layout

## Why developers use Tailwind CSS

### ❑ 1. Faster development

No need to switch between HTML and CSS files.

### ❑ 2. Full design control

You are not limited to prebuilt components like Bootstrap.

### ❑ 3. Modern responsive design

```
<div class="text-sm md:text-lg lg:text-2xl">
```

### ❑ 4. No naming CSS classes

You don't need names like `.navbar`, `.card`, `.btn-primary`.

## How to install Tailwind CSS :-

<https://tailwindcss.com/docs/installation/tailwind-cli>

## Tailwind CSS Setup (CLI Method)

The simplest way to get started with Tailwind CSS is using the **Tailwind CLI tool**. It works well for small projects and learning.

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## □ 01. Install Tailwind CSS

First, install Tailwind and the CLI via npm:

```
npm install tailwindcss @tailwindcss/cli
```

---

## □ 02. Create your input CSS file

Create a file where Tailwind will be imported.

```
□ src/input.css
```

```
@import "tailwindcss";
```

This tells Tailwind to include all its utility classes.

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## □ 03. Run the Tailwind CLI build process

Now generate your output CSS and watch for changes:

```
npx @tailwindcss/cli -i ./src/input.css -o ./src/output.css --watch
```

**What this does:**

- `-i` → input CSS file
  - `-o` → output compiled CSS file
  - `--watch` → automatically rebuild when you change files
-

## □ 04. Create your HTML file

Now link the generated CSS file and start using Tailwind classes.

□ `src/index.html`

```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="./output.css" rel="stylesheet">
</head>
<body class="flex items-center justify-center min-h-screen bg-gray-100">

  <h1 class="text-3xl font-bold underline text-blue-600">
    Hello world!
  </h1>

</body>
</html>
```

---

## □ What happens here

- Tailwind scans your project
  - Finds utility classes like `text-3xl`, `bg-gray-100`
  - Generates only the CSS you actually use
  - Outputs it into `output.css`
- 

## □ Final summary

You write utility classes in HTML → Tailwind CLI converts them into real CSS → browser uses the generated file.

Below are **complete 5 pages** (each with full **Header + Content + Footer**) using Tailwind CSS. You can directly copy-paste and run.



## Welcome to My Website

Home page built with Tailwind CSS

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## 1. Home Page (index.html)

```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="./output.css" rel="stylesheet">
</head>

<body class="flex flex-col min-h-screen">

<!-- HEADER -->
<header class="bg-blue-600 text-white">
  <div class="max-w-6xl mx-auto flex justify-between items-center p-4">
    <h1 class="text-xl font-bold">MyWebsite</h1>
    <nav class="space-x-4">
      <a href="index.html" class="hover:underline">Home</a>
      <a href="about.html" class="hover:underline">About</a>
      <a href="services.html" class="hover:underline">Services</a>
      <a href="blog.html" class="hover:underline">Blog</a>
      <a href="contact.html" class="hover:underline">Contact</a>
    </nav>
  </div>
</header>

<!-- CONTENT -->
<main class="flex-grow">
  <div class="max-w-6xl mx-auto p-6 text-center py-20">
    <h2 class="text-4xl font-bold mb-4">Welcome to My Website</h2>
    <p class="text-gray-600">Home page built with Tailwind CSS</p>
  </div>
</main>

<!-- FOOTER -->
<footer class="bg-gray-800 text-white">
  <div class="max-w-6xl mx-auto p-6 text-center">
    &copy; 2026 MyWebsite. All rights reserved.
  </div>
</footer>

</body>
</html>
```

---

## 2. About Page (about.html)



### About Us

We are learning Tailwind CSS step by step by building real websites.

```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="./output.css" rel="stylesheet">
</head>

<body class="flex flex-col min-h-screen">

<!-- HEADER -->
<header class="bg-blue-600 text-white">
  <div class="max-w-6xl mx-auto flex justify-between items-center p-4">
    <h1 class="text-xl font-bold">MyWebsite</h1>
    <nav class="space-x-4">
      <a href="index.html" class="hover:underline">Home</a>
      <a href="about.html" class="hover:underline">About</a>
      <a href="services.html" class="hover:underline">Services</a>
      <a href="blog.html" class="hover:underline">Blog</a>
      <a href="contact.html" class="hover:underline">Contact</a>
    </nav>
  </div>
</header>

<!-- CONTENT -->
<main class="flex-grow">
  <div class="max-w-6xl mx-auto p-6">
    <h2 class="text-3xl font-bold mb-4">About Us</h2>
    <p class="text-gray-700">
      We are learning Tailwind CSS step by step by building real websites.
    </p>
  </div>
</main>
```

```

<!-- FOOTER -->
<footer class="bg-gray-800 text-white">
  <div class="max-w-6xl mx-auto p-6 text-center">
    &copy; 2026 MyWebsite. All rights reserved.
  </div>
</footer>

</body>
</html>

```

### 3. Services Page (services.html)



```

<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="./output.css" rel="stylesheet">
</head>

<body class="flex flex-col min-h-screen">

<!-- HEADER -->
<header class="bg-blue-600 text-white">
  <div class="max-w-6xl mx-auto flex justify-between items-center p-4">
    <h1 class="text-xl font-bold">MyWebsite</h1>
    <nav class="space-x-4">
      <a href="index.html" class="hover:underline">Home</a>
      <a href="about.html" class="hover:underline">About</a>
      <a href="services.html" class="hover:underline">Services</a>
      <a href="blog.html" class="hover:underline">Blog</a>
      <a href="contact.html" class="hover:underline">Contact</a>
    </nav>
  </div>
</header>

```

```
<!-- CONTENT -->
<main class="flex-grow">
  <div class="max-w-6xl mx-auto p-6">
    <h2 class="text-3xl font-bold mb-6">Our Services</h2>

    <div class="grid grid-cols-1 md:grid-cols-3 gap-6">

      <div class="p-4 border rounded shadow">
        <h3 class="font-bold mb-2">Web Design</h3>
        <p>Modern UI/UX design.</p>
      </div>

      <div class="p-4 border rounded shadow">
        <h3 class="font-bold mb-2">Development</h3>
        <p>Fast responsive websites.</p>
      </div>

      <div class="p-4 border rounded shadow">
        <h3 class="font-bold mb-2">SEO</h3>
        <p>Rank your website higher.</p>
      </div>

    </div>
  </div>
</main>

<!-- FOOTER -->
<footer class="bg-gray-800 text-white">
  <div class="max-w-6xl mx-auto p-6 text-center">
    &copy; 2026 MyWebsite. All rights reserved.
  </div>
</footer>

</body>
</html>
```

---

## 4. Blog Page (blog.html)

```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="./output.css" rel="stylesheet">
</head>

<body class="flex flex-col min-h-screen">

<!-- HEADER -->
<header class="bg-blue-600 text-white">
  <div class="max-w-6xl mx-auto flex justify-between items-center p-4">
    <h1 class="text-xl font-bold">MyWebsite</h1>
    <nav class="space-x-4">
      <a href="index.html" class="hover:underline">Home</a>
      <a href="about.html" class="hover:underline">About</a>
      <a href="services.html" class="hover:underline">Services</a>
      <a href="blog.html" class="hover:underline">Blog</a>
      <a href="contact.html" class="hover:underline">Contact</a>
    </nav>
  </div>
</header>

<!-- CONTENT -->
<main class="flex-grow">
  <div class="max-w-6xl mx-auto p-6">
    <h2 class="text-3xl font-bold mb-6">Latest Blog</h2>

    <div class="space-y-4">

      <div class="p-4 border rounded">
        <h3 class="font-bold">What is Tailwind CSS?</h3>
        <p class="text-gray-600">A utility-first CSS framework.</p>
      </div>

      <div class="p-4 border rounded">
        <h3 class="font-bold">Bootstrap vs Tailwind</h3>
        <p class="text-gray-600">Which one is better?</p>
      </div>

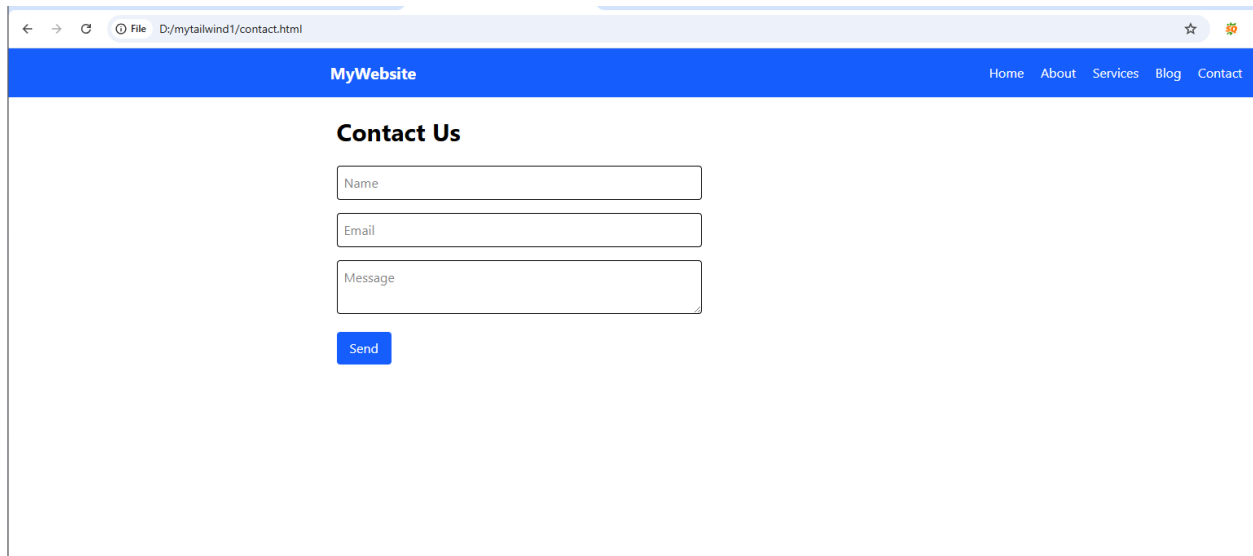
    </div>
  </div>
</main>

<!-- FOOTER -->
<footer class="bg-gray-800 text-white">
  <div class="max-w-6xl mx-auto p-6 text-center">
    &copy; 2026 MyWebsite. All rights reserved.
  </div>
</footer>

</body>
</html>
```

---

## 5. Contact Page (contact.html)



```
<!doctype html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="./output.css" rel="stylesheet">
</head>

<body class="flex flex-col min-h-screen">

<!-- HEADER -->
<header class="bg-blue-600 text-white">
  <div class="max-w-6xl mx-auto flex justify-between items-center p-4">
    <h1 class="text-xl font-bold">MyWebsite</h1>
    <nav class="space-x-4">
      <a href="index.html" class="hover:underline">Home</a>
      <a href="about.html" class="hover:underline">About</a>
      <a href="services.html" class="hover:underline">Services</a>
      <a href="blog.html" class="hover:underline">Blog</a>
      <a href="contact.html" class="hover:underline">Contact</a>
    </nav>
  </div>
</header>

<!-- CONTENT -->
<main class="flex-grow">
  <div class="max-w-6xl mx-auto p-6">
    <h2 class="text-3xl font-bold mb-6">Contact Us</h2>

    <form class="space-y-4 max-w-md">

      <input type="text" placeholder="Name" class="w-full p-2 border rounded">

      <input type="email" placeholder="Email" class="w-full p-2 border rounded">
```

```
    <textarea placeholder="Message" class="w-full p-2 border
rounded"></textarea>

    <button class="bg-blue-600 text-white px-4 py-2 rounded">
      Send
    </button>

  </form>
</div>
</main>

<!-- FOOTER -->
<footer class="bg-gray-800 text-white">
  <div class="max-w-6xl mx-auto p-6 text-center">
    &copy; 2026 MyWebsite. All rights reserved.
  </div>
</footer>

</body>
</html>
```

---

## What you now have

- 5 full pages
- Reusable header/footer structure
- Responsive Tailwind layout
- Grid system, forms, and navigation