# **RWD & Mobile first approach**

**Responsive Web Design (RWD)** and the **Mobile-First Approach** are two foundational concepts in modern front‑end development. They often go hand‑in‑hand but address different aspects of designing sites that work seamlessly across devices.

**1. What is Responsive Web Design (RWD)?**

**Responsive Web Design** is an approach where a website’s layout, images, and other assets **adapt fluidly** to different screen sizes, resolutions, and orientations—providing an optimal viewing experience on desktops, tablets, and smartphones.

**🔑 Key Principles / Rules**

1. **Fluid Grids**  
   – Use percentage‑based widths rather than fixed pixels.  
   – Example: width: 60% instead of width: 600px.
2. **Flexible Images & Media**  
   – Constrain media to their containers:

img {

max-width: 100%;

height: auto;

}

1. **Media Queries**  
   – Apply CSS rules at specific breakpoints:

@media (max-width: 768px) {

/\* Tablet styles \*/

}

@media (max-width: 480px) {

/\* Mobile styles \*/

}

**🌐 Real‑World Examples of RWD**

1. **Fluid Grid Layout on News Sites**  
   – **BBC News**: Columns of headlines reflow from multi‑column on desktop to a single column on mobile.  
   – **How it works**: Uses a 12‑column CSS Grid or Flexbox with percentage widths and media queries to collapse columns as the viewport narrows.
2. **Image Galleries That Scale**  
   – **Unsplash**: Grid of photos that wrap and resize gracefully when you resize the browser.  
   – **How it works**: Each image container has flex: 1 1 200px; so they grow or shrink between a minimum of 200px and fill available space.
3. **Navigation Menus That Transform**  
   – **Amazon**: A full horizontal menu on desktop becomes a “hamburger” menu on mobile.  
   – **How it works**:

@media (max-width: 768px) {

.nav-links { display: none; }

.hamburger { display: block; }

}

**✅ When & Where to Use RWD**

* **When** building any public‑facing website intended to be used on a variety of devices.
* **Where** you need content to adapt automatically—blogs, e‑commerce product listings, dashboards, galleries, forms, etc.

2. What is the Mobile‑First Approach?

**Mobile‑First** is a design and development strategy where you **start by crafting the experience** for the smallest screens (mobile devices) and then progressively enhance the design for larger screens (tablets, desktops).

**🔑 Core Rules / Workflow**

1. **Base Styles for Mobile**  
   – Write your default CSS for small screens:

body { font-size: 16px; }

.container { padding: 10px; }

1. **Progressive Enhancement via min-width**  
   – Add breakpoints that *add* styling as the viewport grows:

@media (min-width: 600px) {

/\* Tablet enhancements \*/

}

@media (min-width: 1024px) {

/\* Desktop enhancements \*/

}

1. **Load Only What’s Needed**  
   – Mobile users often have slower connections—serve smaller images, fewer scripts.

**🌐 Real‑World Examples of Mobile‑First**

1. **Bootstrap Framework**  
   – Bootstrap’s grid uses mobile‑first breakpoints (.col-md-6 applies at ≥768px).  
   – Your .col-12 rules apply to all screens by default (mobile), then at min-width: 768px you get two‑column layout.
2. **Progressively Enhanced Hero Sections**  
   – **Spotify**: On mobile, a simple header + call‑to‑action button; on desktop adds background animations, extra text, and images.  
   – **How it works**:

/\* Mobile default \*/

.hero { background: #1db954; color: white; }

@media (min-width: 768px) {

.hero { background: url(hero-desktop.jpg) no-repeat center; }

}

1. **Form Simplification**  
   – **Twitter** login: Mobile view shows only essential fields; desktop view shows social login options, extra help links.  
   – **How it works**: toggle visibility with media queries:

@media (max-width: 480px) {

.social-logins { display: none; }

}

**✅ When & Where to Use Mobile‑First**

* **When** you expect a significant portion of your audience on mobile devices.
* **Where** performance and simplicity on small screens are critical—news sites, e‑commerce checkouts, critical form flows, marketing pages.

🎯 Summary

| **Concept** | **What It Means** | **Examples & Use Cases** |
| --- | --- | --- |
| **RWD** | Adapt layout & content fluidly to any viewport size | Responsive grids, flexible images, nav transformations |
| **Mobile‑First** | Start with mobile styles & progressively enhance | Bootstrap grid, minimal mobile hero, simplified forms |

Comparison Table: RWD vs. Mobile-First

| Feature | Responsive Web Design (RWD) | Mobile-First Approach |
| --- | --- | --- |
| Design Starting Point | Desktop or any device | Mobile devices |
| Adaptation | Adjusts layout for all screen sizes | Begins with mobile, enhances for desktop |
| Main Goal | Consistent experience across devices | Optimize for mobile users first |
| Typical Use Case | Existing sites needing cross-device support | New projects targeting mobile users |
| Example | Amazon, Starbucks | Instagram, Google Search |

## **Tailwind CSS**

**Tailwind CSS** is a utility-first CSS framework that enables developers to build custom user interfaces rapidly and efficiently by applying small, single-purpose utility classes directly within HTML markup. Unlike traditional CSS frameworks that provide pre-designed components, Tailwind offers a wide range of utility classes for controlling layout, spacing, colors, typography, and more, allowing for complete design flexibility

**2. Why Tailwind Came to Be**

1. **CSS Bloat & Specificity Wars**  
   Traditional approaches often lead to huge CSS files full of one‑off classes (.btn‑primary, .card‑highlight) and complex selectors. Tailwind’s utilities keep your stylesheet small and predictable.
2. **Faster Prototyping**  
   By applying styles directly in markup, you can spin up designs in minutes without context‑switching to a separate CSS file.
3. **Design Consistency**  
   A single **design system** (colors, spacing, typography scales) lives in your tailwind.config.js, so every utility you use is guaranteed to adhere to your brand’s scale.

**3. Core Rules & Principles**

| **Principle** | **What It Means** |
| --- | --- |
| **Utility‑First** | Build UIs by composing tiny classes rather than writing new CSS rules. |
| **Atomic Classes** | Each class does exactly one thing (e.g. m-4 sets margin:1rem). |
| **Mobile‑First** | All utilities are mobile‑first; you add modifiers (md:, lg:) to layer on larger‑screen styles. |
| **Configurable** | Use tailwind.config.js to define your color palette, spacing scale, breakpoints, etc. |
| **Purging Unused CSS** | In production, unused classes are removed automatically to keep the final bundle tiny. |

**4. When & Where to Use Tailwind**

* **Rapid prototyping** where speed and iteration are critical (e.g. MVPs, hackathon demos).
* **Design systems** requiring strict consistency across large codebases or teams.
* **Component‑driven frameworks** (React, Vue, Angular) where inline utilities keep styling colocated with markup.
* **Single‑page applications** that benefit from small CSS bundles and JIT compilation.

**5. Real‑World Examples**

1. **Marketing Landing Page**

<section class="bg-gradient-to-r from-blue-600 to-cyan-400 text-white py-20">

<h1 class="text-4xl md:text-6xl font-bold mb-4">Launch Your Startup</h1>

<p class="max-w-xl mx-auto text-lg mb-8">Build faster with our component library and utility classes.</p>

<button class="bg-white text-blue-600 px-6 py-3 rounded-lg shadow-lg hover:bg-gray-100">Get Started</button>

</section>

1. **Dashboard Layout**

<div class="flex h-screen">

<nav class="w-64 bg-gray-800 text-gray-200 p-6">

<ul>

<li class="mb-4"><a class="flex items-center hover:text-white" href="#"><i class="mr-2 la la-home"></i>Home</a></li>

<!-- ... -->

</ul>

</nav>

<main class="flex-1 bg-gray-100 p-8 overflow-auto">

<div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-6">

<div class="bg-white p-6 rounded-lg shadow">…</div>

<!-- ... -->

</div>

</main>

</div>

1. **Form with Validation States**

<form class="max-w-md mx-auto space-y-6">

<div>

<label class="block text-sm font-medium mb-1">Email</label>

<input type="email"

class="w-full border border-gray-300 px-3 py-2 rounded focus:outline-none focus:ring-2 focus:ring-blue-500"

placeholder="you@example.com">

</div>

<button class="w-full bg-blue-600 text-white py-2 rounded hover:bg-blue-700">Submit</button>

</form>

**Setup Tailwind CSS**

**1. Method 1: Tailwind’s Play CDN**

The simplest way is to pull in the Tailwind Play CDN script. It ships a full Tailwind build and lets you optionally configure it on the fly.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,initial-scale=1">

<title>Tailwind via CDN</title>

<!-- 1. Include the Tailwind Play CDN -->

<script src="https://cdn.tailwindcss.com"></script>

<!-- 2. (Optional) Configure your design tokens -->

<script>

tailwind.config = {

theme: {

extend: {

colors: {

primary: '#1E40AF',

secondary: '#9333EA',

},

fontFamily: {

sans: ['Inter', 'sans-serif'],

}

}

}

}

</script>

</head>

<body class="bg-gray-100 font-sans">

<nav class="bg-primary text-white p-4 flex justify-between">

<div class="text-lg font-bold">MyBrand</div>

<ul class="flex space-x-4">

<li><a href="#" class="hover:underline">Home</a></li>

<li><a href="#" class="hover:underline">About</a></li>

<li><a href="#" class="hover:underline">Contact</a></li>

</ul>

</nav>

<header class="text-center py-20">

<h1 class="text-4xl md:text-6xl font-bold mb-4">Welcome to Tailwind</h1>

<p class="text-lg text-gray-700">No build step, no npm—just HTML and Tailwind utilities.</p>

<button class="mt-6 px-6 py-3 bg-secondary text-white rounded-lg shadow hover:bg-purple-700">

Get Started

</button>

</header>

</body>

</html>

**How this works:**

1. **<script src="https://cdn.tailwindcss.com"></script>**  
   Loads the latest Tailwind build and injects its generated CSS into your page.
2. **tailwind.config = { … }** (optional)  
   Override the default theme (colors, fonts, breakpoints, etc.) right in your HTML before the page renders.

**2. Method 2: Pre‑built CSS via CDN**

If you don’t need on‑the‑fly configuration, you can link directly to a pre‑built Tailwind CSS file:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,initial-scale=1">

<title>Tailwind via CSS CDN</title>

<!-- Link to the precompiled Tailwind CSS -->

<link

href="https://unpkg.com/tailwindcss@^3/dist/tailwind.min.css"

rel="stylesheet"

/>

</head>

<body class="bg-gray-50 font-sans">

<div class="max-w-2xl mx-auto p-6">

<h1 class="text-3xl font-bold mb-4">Hello, Tailwind!</h1>

<p class="mb-6">

This page uses a static Tailwind CSS file served via CDN.

</p>

<a

href="#"

class="inline-block px-5 py-2 bg-blue-600 text-white rounded hover:bg-blue-700"

>

Learn More

</a>

</div>

</body>

</html>

**Notes on this approach:**

* You **cannot** customize the design tokens (colors, spacing, etc.) unless you manually rebuild Tailwind.
* It’s super‑fast to get started if you just need the **default** utility set.

**When & Where to Use**

* **Quick prototypes or demos**—no build step required.
* **Static sites** where you don’t want to introduce a JS build toolchain.
* **Learning and experimentation**—you can see utility classes take effect immediately.

**🌈 1. Colors**

**📌 What It Is:**

Tailwind uses utility classes to apply colors to text, backgrounds, borders, etc. Color names follow a structured naming pattern: color-shade (e.g., blue-500, gray-200).

**✅ Rules:**

* Syntax: text-color, bg-color, border-color
* Use shades from 50 (lightest) to 900 (darkest)

**🕒 When/Where to Use:**

* Quickly apply consistent colors in UI components.
* Align with branding/theme without writing custom CSS.

**💡 Example:**

<button class="bg-blue-500 text-white hover:bg-blue-600">Submit</button>

**✍️ 2. Typography**

**📌 What It Is:**

Tailwind provides utilities to control font size, weight, family, line height, letter spacing, alignment, etc.

**✅ Rules:**

* Font size: text-sm, text-lg, text-2xl
* Font weight: font-bold, font-light
* Line height: leading-snug, leading-relaxed
* Text alignment: text-left, text-center

**🕒 When/Where to Use:**

* Rapid prototyping of readable UIs.
* Perfect for headings, paragraphs, and form labels.

**💡 Example:**

<h1 class="text-3xl font-bold text-gray-800">Welcome to Tailwind</h1>

**📐 3. Spaces & Sizes**

**📌 What It Is:**

Control padding, margin, width, height using utility classes.

**✅ Rules:**

* Margin: m-4, mt-2, mx-auto
* Padding: p-2, px-6, py-4
* Width/Height: w-1/2, h-16, max-w-sm

**🕒 When/Where to Use:**

* Layout design, spacing between components.
* Responsive spacing across screen sizes.

**💡 Example:**

<div class="p-4 m-2 w-full md:w-1/2">Card Content</div>

**⬜ 4. Borders**

**📌 What It Is:**

Control border width, color, style, and radius.

**✅ Rules:**

* Border: border, border-2, border-gray-400
* Radius: rounded, rounded-lg, rounded-full

**🕒 When/Where to Use:**

* Use for UI elements like cards, input fields, avatars, etc.

**💡 Example:**

<input class="border border-gray-300 rounded-md p-2" placeholder="Email">

**🖼️ 5. Images**

**📌 What It Is:**

Tailwind provides utility classes to control image size, fit, position, rounding, and shadows.

**✅ Rules:**

* Sizing: w-32, h-32
* Fit: object-cover, object-contain
* Shape: rounded-full
* Shadow: shadow-md, shadow-lg

**🕒 When/Where to Use:**

* Profile avatars, banners, product thumbnails, etc.

**💡 Example:**

<img class="w-20 h-20 rounded-full object-cover" src="/avatar.jpg" alt="User Avatar">

**🎨 6. Customization**

**📌 What It Is:**

Tailwind is fully customizable via the tailwind.config.js file.

**✅ Rules:**

* Add custom colors, spacing, breakpoints, themes
* Extend or override the default configuration

**🕒 When/Where to Use:**

* Align styles with your brand or design system.
* Add custom fonts, colors, responsive breakpoints.

**💡 Example:**

// tailwind.config.js

module.exports = {

theme: {

extend: {

colors: {

brandBlue: '#0077cc',

},

spacing: {

'72': '18rem',

}

}

}

}

<div class="bg-brandBlue p-72">Branded Section</div>

**🔲 7. Flex & Grid**

**📌 What It Is:**

Modern layout techniques to position and align content.

**✅ Rules:**

* Flexbox: flex, items-center, justify-between
* Grid: grid, grid-cols-3, gap-4

**🕒 When/Where to Use:**

* Flex: Navbar, horizontally aligned elements.
* Grid: Photo galleries, card layouts, dashboards.

**💡 Flex Example:**

<div class="flex items-center justify-between">

<span>Logo</span>

<nav>Menu</nav>

</div>

**💡 Grid Example:**

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

<div>Card 1</div>

<div>Card 2</div>

<div>Card 3</div>

</div>

**🧱 8. Layouts in Tailwind CSS**

**📌 What It Is:**

Layouts define **how elements are arranged on the page**, and Tailwind provides utility classes for building responsive and flexible layouts using **flexbox**, **grid**, **positioning**, **container**, and **spacing utilities**.

**✅ Common Layout Utilities & Rules:**

| **Utility** | **Description** | **Examples** |
| --- | --- | --- |
| container | Fixed width wrapper with responsive max-width | container mx-auto |
| flex | Enables Flexbox layout | flex, flex-row, flex-col |
| grid | Enables CSS Grid layout | grid grid-cols-3 gap-4 |
| w-\*, h-\* | Control width and height | w-full, h-screen |
| mx-auto | Center block elements horizontally | w-1/2 mx-auto |
| space-x-\* | Spacing between flex/grid children | space-x-4, space-y-2 |
| absolute, relative, fixed | Control positioning | absolute top-0 left-0 |

**🕒 When/Where to Use:**

* For structuring web pages like navbars, sidebars, content sections, and footers.
* Use flexbox for one-dimensional layouts (rows or columns).
* Use grid for two-dimensional layouts (rows and columns together).

**💡 Layout Example (Flex + Grid):**

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

<!-- Header -->

<header class="bg-gray-800 text-white p-4">My Website</header>

<!-- Main Layout -->

<main class="flex flex-1">

<!-- Sidebar -->

<aside class="w-64 bg-gray-200 p-4">Sidebar</aside>

<!-- Content Area -->

<section class="flex-1 p-6 grid grid-cols-3 gap-4">

<div class="bg-white p-4 shadow">Card 1</div>

<div class="bg-white p-4 shadow">Card 2</div>

<div class="bg-white p-4 shadow">Card 3</div>

</section>

</main>

<!-- Footer -->

<footer class="bg-gray-800 text-white p-4 text-center">© 2025</footer>

</div>

**📱 2. Responsive Web Design (RWD)**

**📌 What It Is:**

**RWD** means your website adapts to different screen sizes (mobile, tablet, desktop). Tailwind makes it super easy with **mobile-first breakpoints** using responsive prefixes.

**✅ Breakpoints in Tailwind:**

| **Prefix** | **Min Width** | **Use Case** |
| --- | --- | --- |
| sm: | 640px | Small tablets & phones |
| md: | 768px | Tablets |
| lg: | 1024px | Small laptops |
| xl: | 1280px | Desktops |
| 2xl: | 1536px | Large screens |

These are **mobile-first** — styles apply from smallest screen up.

**✅ Rules:**

* Write base styles (mobile) first.
* Add breakpoints with prefixes to override styles on larger screens.

**💡 RWD Example:**

<div class="p-4 sm:p-6 md:p-8 lg:p-10">

<h2 class="text-xl md:text-2xl lg:text-3xl">Responsive Title</h2>

<p class="text-sm md:text-base">This paragraph grows on larger screens.</p>

</div>

In this example:

* p-4 applies to all sizes.
* sm:p-6, md:p-8, etc., override padding as screen gets bigger.

**🎯 Why Layouts & RWD Are Important in Tailwind**

**🛠 Problem in Traditional CSS:**

* Developers wrote separate CSS files or used complex media queries.
* Layouts were hard to maintain across screen sizes.
* Reusability and scalability were limited.

**✅ Tailwind’s Solution:**

* **Utility classes** eliminate writing repetitive CSS.
* **Responsive prefixes** give fine control over layout adjustments at different breakpoints.
* **Consistent design** using the same spacing, sizing, and layout tools.

**🏗️ Real-World Use Cases**

**1. Dashboard Layout**

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

<div class="bg-white shadow p-4">Stats</div>

<div class="bg-white shadow p-4">Graphs</div>

<div class="bg-white shadow p-4">Notifications</div>

</div>

**2. Responsive Navigation Bar**

<nav class="flex flex-col sm:flex-row sm:justify-between p-4 bg-blue-600 text-white">

<div>Logo</div>

<ul class="flex gap-4 mt-2 sm:mt-0">

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

</ul>

</nav>

**3. E-commerce Site**

Product cards: bg-white shadow rounded p-4

Pricing grids: grid grid-cols-2 md:grid-cols-4 gap-6

**4. Dashboard**

Sidebar with flex: flex flex-col h-screen

Stats: bg-gray-100 p-4 rounded-lg text-center

**5. Login Page**

Form container: max-w-md mx-auto mt-10 p-6 bg-white rounded-lg shadow

Input fields: border border-gray-300 p-2 rounded

**📦 Summary**

| **Concept** | **Key Tools in Tailwind** | **When to Use It** |
| --- | --- | --- |
| **Layouts** | flex, grid, container, w-\*, h-\* | Structuring web pages |
| **RWD** | sm:, md:, lg:, etc. | Making designs responsive & adaptive |

**🔧 Real-World Use Cases**

1. **E-commerce Site**
   * Product cards: bg-white shadow rounded p-4
   * Pricing grids: grid grid-cols-2 md:grid-cols-4 gap-6
2. **Dashboard**
   * Sidebar with flex: flex flex-col h-screen
   * Stats: bg-gray-100 p-4 rounded-lg text-center
3. **Login Page**
   * Form container: max-w-md mx-auto mt-10 p-6 bg-white rounded-lg shadow
   * Input fields: border border-gray-300 p-2 rounded

**Landing page using HTML & Tailwind css**  
  
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Tailwind Landing Page</title>

<script src="https://cdn.tailwindcss.com"></script>

</head>

<body class="bg-gray-50 text-gray-800">

<!-- Header -->

<header class="bg-white shadow-md sticky top-0 z-50">

<div class="container mx-auto flex justify-between items-center py-4 px-6">

<h1 class="text-2xl font-bold text-blue-600">TailwindCSS Recap</h1>

<nav class="hidden md:flex gap-6 text-sm font-medium">

<a href="#features" class="hover:text-blue-600">Features</a>

<a href="#about" class="hover:text-blue-600">About</a>

<a href="#contact" class="hover:text-blue-600">Contact</a>

</nav>

</div>

</header>

<!-- Hero Section -->

<section class="text-center py-20 px-6 bg-blue-100">

<h2 class="text-4xl font-extrabold mb-4">Build Beautiful UIs with Tailwind CSS</h2>

<p class="text-lg mb-6 text-gray-700 max-w-2xl mx-auto">Master colors, typography, layout, flex, grid, spacing, and responsive design all in one utility-first CSS framework.</p>

<a href="#features" class="inline-block bg-blue-600 text-white px-6 py-3 rounded-lg shadow hover:bg-blue-700 transition">Get Started</a>

</section>

<!-- Features Section -->

<section id="features" class="py-16 px-6 container mx-auto">

<h3 class="text-3xl font-semibold text-center mb-10">Tailwind Concepts</h3>

<div class="grid grid-cols-1 md:grid-cols-3 gap-8">

<div class="bg-white rounded-xl shadow p-6 text-center">

<h4 class="text-xl font-bold mb-2 text-blue-500">Colors</h4>

<p class="text-gray-600">Use utilities like <code>bg-blue-500</code> and <code>text-gray-700</code> to apply theme colors.</p>

</div>

<div class="bg-white rounded-xl shadow p-6 text-center">

<h4 class="text-xl font-bold mb-2 text-green-500">Typography</h4>

<p class="text-gray-600">Control font size, weight, alignment with classes like <code>text-xl</code> and <code>font-bold</code>.</p>

</div>

<div class="bg-white rounded-xl shadow p-6 text-center">

<h4 class="text-xl font-bold mb-2 text-purple-500">Layout</h4>

<p class="text-gray-600">Use <code>flex</code>, <code>grid</code>, <code>container</code> and spacing utilities to structure pages.</p>

</div>

</div>

<div class="grid grid-cols-1 md:grid-cols-3 gap-8 mt-10">

<div class="bg-white rounded-xl shadow p-6 text-center">

<h4 class="text-xl font-bold mb-2 text-red-500">Spacing & Sizing</h4>

<p class="text-gray-600">Apply padding and margin using classes like <code>p-4</code>, <code>m-6</code>, and control width/height.</p>

</div>

<div class="bg-white rounded-xl shadow p-6 text-center">

<h4 class="text-xl font-bold mb-2 text-yellow-500">Borders & Images</h4>

<p class="text-gray-600">Style with <code>border</code>, <code>rounded-lg</code>, <code>shadow</code>, and <code>object-cover</code>.</p>

</div>

<div class="bg-white rounded-xl shadow p-6 text-center">

<h4 class="text-xl font-bold mb-2 text-pink-500">Responsive Design</h4>

<p class="text-gray-600">Tailor styles to devices using <code>sm:</code>, <code>md:</code>, <code>lg:</code> prefixes.</p>

</div>

</div>

</section>

<!-- About Section -->

<section id="about" class="py-20 px-6 bg-white">

<div class="container mx-auto text-center max-w-2xl">

<h3 class="text-3xl font-bold mb-4">Why Tailwind CSS?</h3>

<p class="text-gray-700 mb-6">Tailwind provides a modern, fast, and maintainable approach to styling by using utility classes directly in HTML. It eliminates the need for separate CSS files for most cases, promoting rapid UI development.</p>

<img src="https://tailwindcss.com/\_next/static/media/tailwindcss-logotype.d9b6e94d.svg" alt="Tailwind CSS Logo" class="w-48 mx-auto">

</div>

</section>

<!-- Contact Section -->

<section id="contact" class="py-16 px-6 bg-gray-100">

<div class="container mx-auto max-w-xl">

<h3 class="text-2xl font-semibold mb-6 text-center">Contact Us</h3>

<form class="bg-white p-6 rounded-xl shadow space-y-4">

<input type="text" placeholder="Your Name" class="w-full border border-gray-300 p-3 rounded">

<input type="email" placeholder="Your Email" class="w-full border border-gray-300 p-3 rounded">

<textarea rows="5" placeholder="Your Message" class="w-full border border-gray-300 p-3 rounded"></textarea>

<button type="submit" class="w-full bg-blue-600 text-white py-3 rounded-lg hover:bg-blue-700 transition">Send Message</button>

</form>

</div>

</section>

<!-- Footer -->

<footer class="bg-white text-center py-6 border-t mt-10">

<p class="text-gray-500">© 2025 Tailwind Recap. Built with ❤️ using Tailwind CSS.</p>

</footer>

</body>

</html>  
  
  
**Project 1: TravelMate - Vacation Booking**  
  
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>TravelMate - Vacation Booking</title>

  <script src="https://cdn.tailwindcss.com"></script>

  <link rel="preconnect" href="https://fonts.googleapis.com">

  <link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;800&display=swap" rel="stylesheet">

  <style>

    body { font-family: 'Inter', sans-serif; }

  </style>

</head>

<body class="bg-gray-50 text-gray-800">

  <!-- Hero Section -->

  <section class="bg-cover bg-center h-screen flex items-center justify-center" style="background-image: url('https://images.unsplash.com/photo-1507525428034-b723cf961d3e?auto=format&fit=crop&w=800&q=80');">

    <div class="bg-black bg-opacity-50 p-8 rounded-xl text-white text-center max-w-2xl">

      <h1 class="text-4xl md:text-5xl font-bold mb-4">Explore the World with TravelMate</h1>

      <p class="text-lg mb-6">Book unforgettable experiences, adventures, and getaways at the best prices.</p>

      <a href="#destinations" class="bg-yellow-400 text-black font-semibold px-6 py-3 rounded-full hover:bg-yellow-300 transition">Discover Destinations</a>

    </div>

  </section>

  <!-- Popular Destinations -->

  <section id="destinations" class="py-20 px-6 max-w-7xl mx-auto">

    <h2 class="text-3xl font-bold text-center mb-12">Popular Destinations</h2>

    <div class="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-8">

      <div class="bg-white rounded-lg shadow hover:shadow-xl transition overflow-hidden">

        <img src="https://images.unsplash.com/photo-1504198453319-5ce911bafcde" class="w-full h-48 object-cover">

        <div class="p-6">

          <h3 class="text-xl font-semibold mb-2">Bali, Indonesia</h3>

          <p class="text-sm text-gray-600 mb-4">Beach vibes, temples, and tropical sunsets.</p>

          <button class="text-white bg-blue-500 px-4 py-2 rounded hover:bg-blue-600">Book Now</button>

        </div>

      </div>

      <div class="bg-white rounded-lg shadow hover:shadow-xl transition overflow-hidden">

        <img src="https://images.unsplash.com/photo-1505765057005-00cf5f480b62" class="w-full h-48 object-cover">

        <div class="p-6">

          <h3 class="text-xl font-semibold mb-2">Paris, France</h3>

          <p class="text-sm text-gray-600 mb-4">Romantic evenings and cultural elegance.</p>

          <button class="text-white bg-blue-500 px-4 py-2 rounded hover:bg-blue-600">Book Now</button>

        </div>

      </div>

      <div class="bg-white rounded-lg shadow hover:shadow-xl transition overflow-hidden">

        <img src="https://images.unsplash.com/photo-1536560251808-88d4cb97a86d" class="w-full h-48 object-cover">

        <div class="p-6">

          <h3 class="text-xl font-semibold mb-2">Kyoto, Japan</h3>

          <p class="text-sm text-gray-600 mb-4">Historic temples and cherry blossoms await.</p>

          <button class="text-white bg-blue-500 px-4 py-2 rounded hover:bg-blue-600">Book Now</button>

        </div>

      </div>

    </div>

  </section>

  <!-- Testimonials -->

  <section class="bg-white py-16">

    <div class="max-w-4xl mx-auto text-center">

      <h2 class="text-3xl font-bold mb-8">What Our Travelers Say</h2>

      <div class="grid gap-6 md:grid-cols-2">

        <blockquote class="bg-gray-100 p-6 rounded-lg shadow">

          <p class="italic">"TravelMate made planning our honeymoon so easy. We had the trip of a lifetime in Bali!"</p>

          <footer class="mt-4 font-semibold">— Priya R., Mumbai</footer>

        </blockquote>

        <blockquote class="bg-gray-100 p-6 rounded-lg shadow">

          <p class="italic">"Smooth booking process and excellent customer service. Highly recommend!"</p>

          <footer class="mt-4 font-semibold">— Arjun S., Delhi</footer>

        </blockquote>

      </div>

    </div>

  </section>

  <!-- Newsletter Signup -->

  <section class="bg-blue-600 text-white py-16">

    <div class="max-w-3xl mx-auto text-center px-6">

      <h2 class="text-2xl font-bold mb-4">Get Travel Deals in Your Inbox</h2>

      <p class="mb-6">Subscribe to our newsletter and never miss a great vacation offer.</p>

      <form class="flex flex-col sm:flex-row items-center justify-center gap-4">

        <input type="email" placeholder="Your email" class="px-4 py-3 rounded w-full sm:w-auto text-gray-800" required>

        <button class="bg-yellow-400 hover:bg-yellow-300 text-black font-semibold px-6 py-3 rounded">Subscribe</button>

      </form>

    </div>

  </section>

  <!-- Footer -->

  <footer class="bg-gray-800 text-white py-6 text-center">

    <p>© 2025 TravelMate. All rights reserved.</p>

  </footer>

</body>

</html>

**Project 2: SaaS Product Landing Page – CloudBoost**<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>CloudBoost - SaaS Platform</title>

<script src="https://cdn.tailwindcss.com"></script>

</head>

<body class="text-gray-800 bg-gray-50">

<!-- Hero -->

<section class="bg-blue-700 text-white text-center py-20">

<h1 class="text-4xl font-bold mb-4">CloudBoost</h1>

<p class="text-xl mb-6">Boost your productivity with our cloud-based solutions</p>

<a href="#features" class="bg-white text-blue-700 px-6 py-3 rounded font-semibold">Explore Features</a>

</section>

<!-- Features -->

<section id="features" class="py-16 px-6 max-w-6xl mx-auto">

<h2 class="text-3xl font-bold text-center mb-10">Features</h2>

<div class="grid md:grid-cols-3 gap-8 text-center">

<div><h3 class="text-xl font-semibold">Fast & Secure</h3><p class="mt-2">Enterprise-grade security and blazing performance.</p></div>

<div><h3 class="text-xl font-semibold">Real-time Sync</h3><p class="mt-2">Stay updated with real-time data across all devices.</p></div>

<div><h3 class="text-xl font-semibold">24/7 Support</h3><p class="mt-2">Get help anytime from our expert team.</p></div>

</div>

</section>

<!-- Footer -->

<footer class="text-center py-6 bg-gray-800 text-white">

<p>&copy; 2025 CloudBoost. All rights reserved.</p>

</footer>

</body>

</html>  
  
**Project 3: FreshHarvest - Organic Store**

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>FreshHarvest - Organic Store</title>

  <script src="https://cdn.tailwindcss.com"></script>

</head>

<body class="bg-green-50 text-green-900">

  <header class="bg-green-700 text-white p-6 text-center">

    <h1 class="text-4xl font-bold">FreshHarvest</h1>

    <p class="text-lg">Organic, local, and fresh produce delivered to your door</p>

  </header>

  <section class="py-10 max-w-6xl mx-auto px-4">

    <h2 class="text-2xl font-bold mb-6 text-center">Featured Products</h2>

    <div class="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap-6">

      <div class="bg-white p-4 shadow rounded"><h3 class="font-semibold">Organic Tomatoes</h3><p>₹80/kg</p></div>

      <div class="bg-white p-4 shadow rounded"><h3 class="font-semibold">Fresh Spinach</h3><p>₹40/bundle</p></div>

      <div class="bg-white p-4 shadow rounded"><h3 class="font-semibold">Alphonso Mangoes</h3><p>₹120/kg</p></div>

    </div>

  </section>

  <footer class="bg-green-700 text-white text-center py-4 mt-10">

    <p>&copy; 2025 FreshHarvest. All rights reserved.</p>

  </footer>

</body>

</html>

**Project 4: SkillForge - Learn New Skills**<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>SkillForge - Learn New Skills</title>

<script src="https://cdn.tailwindcss.com"></script>

</head>

<body class="bg-white text-gray-900">

<section class="bg-indigo-700 text-white text-center py-20">

<h1 class="text-4xl font-bold">SkillForge</h1>

<p class="text-lg mt-4">Master coding, design, and business from top instructors</p>

<a href="#courses" class="mt-6 inline-block bg-white text-indigo-700 px-6 py-3 rounded font-semibold">Browse Courses</a>

</section>

<section id="courses" class="py-16 px-6 max-w-6xl mx-auto">

<h2 class="text-2xl font-bold mb-8 text-center">Popular Courses</h2>

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

<div class="bg-gray-100 p-6 rounded shadow"><h3 class="font-semibold">Full-Stack Web Development</h3><p class="mt-2">HTML, CSS, JavaScript, Node.js</p></div>

<div class="bg-gray-100 p-6 rounded shadow"><h3 class="font-semibold">UI/UX Design Bootcamp</h3><p class="mt-2">Figma, Prototyping, Design Systems</p></div>

<div class="bg-gray-100 p-6 rounded shadow"><h3 class="font-semibold">Digital Marketing</h3><p class="mt-2">SEO, Ads, Email Marketing</p></div>

</div>

</section>

<footer class="bg-indigo-700 text-white text-center py-6">

<p>&copy; 2025 SkillForge. Learn and grow.</p>

</footer>

</body>

</html>  
  
  
**Project 5: ElevateConsult - Business Growth Partner**  
  
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>ElevateConsult - Business Growth Partner</title>

<script src="https://cdn.tailwindcss.com"></script>

</head>

<body class="bg-gray-100 text-gray-800">

<section class="bg-gray-800 text-white text-center py-20">

<h1 class="text-4xl font-bold">ElevateConsult</h1>

<p class="text-lg mt-2">Helping businesses scale through expert consulting</p>

</section>

<section class="py-14 px-6 max-w-5xl mx-auto">

<h2 class="text-2xl font-bold mb-8 text-center">Our Services</h2>

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

<div class="bg-white p-6 shadow rounded"><h3 class="font-semibold">Strategy Planning</h3><p class="mt-2">Tailored growth and market entry strategies.</p></div>

<div class="bg-white p-6 shadow rounded"><h3 class="font-semibold">Financial Consulting</h3><p class="mt-2">Optimize resources and boost ROI.</p></div>

<div class="bg-white p-6 shadow rounded"><h3 class="font-semibold">Digital Transformation</h3><p class="mt-2">Leverage tech to modernize operations.</p></div>

</div>

</section>

<footer class="bg-gray-800 text-white text-center py-6">

<p>&copy; 2025 ElevateConsult. All rights reserved.</p>

</footer>

</body>

</html>  
  
**Project 6 : DevSummit 2025**  
  
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>DevSummit 2025</title>

<script src="https://cdn.tailwindcss.com"></script>

</head>

<body class="bg-gray-50 text-gray-800">

<header class="bg-blue-800 text-white py-10 text-center">

<h1 class="text-4xl font-bold">DevSummit 2025</h1>

<p class="text-lg mt-2">A global conference for developers and tech enthusiasts</p>

</header>

<section class="max-w-6xl mx-auto px-4 py-12">

<h2 class="text-2xl font-bold mb-6 text-center">Event Schedule</h2>

<div class="overflow-x-auto">

<table class="min-w-full bg-white border border-gray-200">

<thead>

<tr class="bg-gray-100 text-left">

<th class="py-3 px-4 border-b">Time</th>

<th class="py-3 px-4 border-b">Session</th>

<th class="py-3 px-4 border-b">Speaker</th>

<th class="py-3 px-4 border-b">Track</th>

</tr>

</thead>

<tbody>

<tr class="hover:bg-gray-50">

<td class="py-2 px-4 border-b">09:00 AM</td>

<td class="py-2 px-4 border-b">Opening Keynote</td>

<td class="py-2 px-4 border-b">Anjali Mehra</td>

<td class="py-2 px-4 border-b">Main Hall</td>

</tr>

<tr class="hover:bg-gray-50">

<td class="py-2 px-4 border-b">10:30 AM</td>

<td class="py-2 px-4 border-b">Future of AI</td>

<td class="py-2 px-4 border-b">Ravi Narayan</td>

<td class="py-2 px-4 border-b">Tech Track</td>

</tr>

<tr class="hover:bg-gray-50">

<td class="py-2 px-4 border-b">11:45 AM</td>

<td class="py-2 px-4 border-b">Building Scalable Apps</td>

<td class="py-2 px-4 border-b">Sara Khan</td>

<td class="py-2 px-4 border-b">Development Track</td>

</tr>

</tbody>

</table>

</div>

</section>

<section class="max-w-6xl mx-auto px-4 py-12">

<h2 class="text-2xl font-bold mb-6 text-center">Venue Details</h2>

<table class="min-w-full bg-white border border-gray-200">

<thead>

<tr class="bg-gray-100">

<th class="py-3 px-4 border-b">Location</th>

<th class="py-3 px-4 border-b">City</th>

<th class="py-3 px-4 border-b">Capacity</th>

</tr>

</thead>

<tbody>

<tr class="hover:bg-gray-50">

<td class="py-2 px-4 border-b">Tech Auditorium</td>

<td class="py-2 px-4 border-b">Bengaluru</td>

<td class="py-2 px-4 border-b">500</td>

</tr>

<tr class="hover:bg-gray-50">

<td class="py-2 px-4 border-b">Innovation Hall</td>

<td class="py-2 px-4 border-b">Pune</td>

<td class="py-2 px-4 border-b">300</td>

</tr>

</tbody>

</table>

</section>

<footer class="bg-blue-800 text-white text-center py-6">

<p>&copy; 2025 DevSummit. All rights reserved.</p>

</footer>

</body>

</html>