

Lesson:

Mini project using Bootstrap



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Introduction

In this guide, we'll explore an HTML template that creates a simple landing page using Bootstrap 5. We'll walk you through the use of CDNs, building the page structure, understanding typography, layout and spacing, colors, backgrounds, borders, and incorporating transitions, animations, and transforms.

You can find the full project code here,

https://drive.google.com/file/d/1_al_nSlqQLkN8CIjfu08gCUBUFb1IQW2/view?usp=sharing

Use of CDNs

CDN (Content Delivery Network) is used to fetch external libraries and resources for your web project. In this template, we utilize two CDNs:

- **Bootstrap 5 CDN:**

Link: <https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css>

Purpose: It provides ready-to-use CSS styles and components for creating responsive web pages.

- **Bootstrap 5 JavaScript CDN:**

Link: <https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js>

Purpose: It enables Bootstrap JavaScript features, like popovers.

Building a Simple Landing Page.

The landing page is constructed with the following sections:

1. Header with a background color and a background animation.
2. Two content sections with grid layout.
3. Feature section with boxes that scale on hover.
4. Footer with a dark background.

Understanding Typography

We utilize Bootstrap classes for typography, including display-4 for a large header and h1 and h3 for headings. Additionally, text-decoration-underline is applied for text decoration.

Understanding Layout and Spacing

The template uses Bootstrap's responsive grid system for layout. Classes like d-flex, justify-content-around, and col-md-6 are used for arranging content. Spacing is controlled with classes such as my-5 and p-4

Colors, Backgrounds, and Borders

To set background colors, classes like bg-primary, bg-light, and bg-dark are employed. Additionally, text-white is used for text color. The custom CSS in the <style> section applies an animation to the header's background color.

Working with Transition, Animation, and Transform

The template includes a simple animation for feature boxes. When hovering over a .feature-box, a scaling effect is applied. This is accomplished using the CSS transition property and the :hover pseudo-class. Additionally, the header's background color is animated using the @keyframes rule.

Feel free to customize and build upon this template to create more complex animations and styles for your landing page. Web development offers endless possibilities for creative design and functionality.