

Web Design and Development Course

Welcome to the Web Design and Development Course! This course is designed for beginners to advanced learners who are eager to explore the world of web design and development. You will learn essential skills such as HTML5, CSS, JavaScript, and more, enabling you to create stunning and responsive websites. Join us on this exciting journey to enhance your web development skills!





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Introduction to HTML5

What is HTML5?

The latest version of HTML, enhancing web capabilities.

New Features

Includes new elements, attributes, and APIs.

Browser Support

Widely supported across modern web browsers.





CSS Fundamentals

Selectors

Learn how to select HTML elements.

Box Model

Understand margin, border, padding, and content.

Flexbox

Create responsive layouts with Flexbox.



CSS Fundamentals

CSS Overview

CSS (Cascading Style Sheets) is used for styling HTML elements.

Key Concepts

Key concepts include selectors, properties, and values.

Responsive Design

CSS allows for responsive design through media queries.

Box Model

Understanding the box model is essential for layout design.

CSS Preprocessors

CSS preprocessors like Sass can enhance CSS capabilities.

Bootstrap Framework



Responsive Design

Easily create layouts that adapt to different screen sizes.



Predefined Components

Utilize ready-made components like buttons, modals, and navigation bars.



Customizable Grid System

Build complex layouts using a flexible grid system.





Bootstrap Framework

Responsive Design

Responsive design with a grid system.

Pre-styled Components

Pre-styled components like buttons, modals, and navigation bars.

Customizable Themes

Customizable themes and styles.

JavaScript Plugins

JavaScript plugins for enhanced functionality.



JavaScript Basics



Variables

Learn how to declare and use variables.



Functions

Understand how to create and invoke functions.



Events

Explore how to handle events in JavaScript.



JavaScript Basics



Variables and Functions

Understanding variables, data types, and functions.



DOM Manipulation

DOM manipulation for dynamic content updates.



Event Handling

Event handling for user interactions.



ES6 Features

Introduction to ES6 features like arrow functions and promises.

jQuery Essentials

Introduction to jQuery

Learn the basics of jQuery and its syntax.

DOM Manipulation

Understand how to manipulate HTML elements using jQuery.

Event Handling

Explore how to handle events with jQuery.





jQuery Essentials



Simplified Syntax

Simplified syntax for DOM manipulation.



Easy Event Handling

Event handling made easy with jQuery methods.



AJAX Support

AJAX support for asynchronous web applications.



Animation Effects

Animation effects for enhancing user experience.



Introduction to Sass



What is Sass?

A preprocessor scripting language that extends CSS.



Benefits of Sass

Improves maintainability and reusability of styles.



Sass Features

Variables, nesting, mixins, and more.



Introduction to Sass

Variables

Variables for reusable values.

Nesting

Nesting for better organization of styles.

Mixins

Mixins for reusable style blocks.

Functions

Functions for dynamic styling.

Accelerated Mobile Pages

What is AMP?

A framework for creating fast-loading mobile web pages.

Benefits of AMP

Improved loading speed and better user experience.

Implementation

Integrate AMP HTML, JavaScript, and CDN.





Accelerated Mobile Pages

- 1 Streamlined HTML**
for faster rendering.
- 2 AMP Components**
for interactive features.
- 3 Best Practices**
for optimizing mobile performance.
- 4 SEO Benefits**
of using AMP.



Tailwind CSS

Utility-First Framework

Tailwind CSS promotes a utility-first approach for rapid UI development.

Customizable Design

Easily customize styles with configuration files to fit your design needs.

Responsive Design

Built-in responsive utilities make it simple to create mobile-friendly layouts.



Tailwind CSS

Utility Classes

Utility classes for styling without writing custom CSS.

Responsive Design

Responsive design with mobile-first approach.

Customization

Customization through configuration files.

Component-Based

Encourages a component-based design approach.

Thank You

Course Completion

Congratulations on finishing the course!

Stay Curious

Keep exploring web design and development.

Connect with Us

Follow us for more resources and updates.

