



KIDS & TEENS FREELANCING TRAINING INSTITUTE

# HTML5 CSS3 Training Course Outline

## Module 1: Introduction to HTML5

- What is HTML and how it structures web pages
  - Real-life example: A book's table of contents (structure of a page)
  - The difference between HTML4 and HTML5
  - Basic HTML tags: `<html>`, `<head>`, `<body>`, `<h1>`, `<p>`
  - Activity: Create a simple webpage with a heading and paragraph
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## Module 2: HTML5 Elements and Semantics

- What are semantic HTML tags and why they matter
  - Real-life example: Organizing books into categories (semantics)
  - Common HTML5 elements: `<header>`, `<footer>`, `<article>`, `<section>`
  - Activity: Build a webpage using semantic elements
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## Module 3: HTML Forms and Input Types

- Creating forms and inputs in HTML
  - Real-life example: Filling out a survey form
  - Different types of input elements: text, radio buttons, checkboxes
  - HTML5 form validation attributes
  - Activity: Build a contact form with input fields and validation
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## Module 4: Introduction to CSS3

- What is CSS and how it styles HTML elements
- Real-life example: Painting a house (styling a webpage)
- The difference between inline, internal, and external CSS

- Basic CSS selectors, properties, and values
  - Activity: Apply styles to your HTML page using CSS
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## **Module 5: Layouts and Positioning with CSS**

- Understanding the box model: padding, border, margin
  - Real-life example: Organizing furniture in a room
  - CSS positioning: static, relative, absolute, fixed
  - Using `display`, `float`, and `flexbox` for layouts
  - Activity: Create a simple 2-column layout using CSS
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## **Module 6: Responsive Design and Media Queries**

- What is responsive design and why it's important
  - Real-life example: Adjusting a map to fit a mobile screen
  - Introduction to media queries for different screen sizes
  - Building a responsive layout using percentages and media queries
  - Activity: Make your page responsive for mobile and desktop
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## **Module 7: CSS3 Transitions, Animations, and Effects**

- What are CSS transitions and animations?
  - Real-life example: A door opening smoothly (transition)
  - How to animate elements using CSS keyframes
  - Adding hover effects for interactive pages
  - Activity: Create a button with hover effects and a smooth animation
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## **Module 8: Final Project – Build a Fully Styled Web Page**

- Plan and build a complete webpage using HTML5 and CSS3
  - Create a layout, apply styles, make it responsive
  - Test your page on different devices
  - Activity: Present your final project, explaining the design choices
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## **Bonus Materials**

- HTML5 & CSS3 cheat sheet
- Responsive design best practices guide
- Link to free online CSS frameworks like Bootstrap
- Interactive quizzes and coding challenges
- Certificate of Completion for HTML5 & CSS3 Basics