HTML & CSS PROFESSIONAL DEVELOPER COURSE SCHEDULE

Week 1: HTML Structure

Monday

- Introduction to HTML

    o Overview of HTML and its importance

    o   Role of HTML in web pages

Tuesday

- Basic Structure of an HTML Document

    o Anatomy of an HTML document (doctype, html, head, body)

    o Importance of semantic HTML

Wednesday

- Essential HTML Tags

    o Common tags: headings, paragraphs, lists

    o   Organizing content with structural tags (header, footer, section, article)

Thursday

- Hyperlinks and Images

    o   Creating hyperlinks with <a> tags

    o Embedding images with <img> tags

    o   Best practices for alt attributes

Friday

- Hands-On Project

    o Create a simple webpage using the concepts learned in Week 1

    o   Review and feedback session

Week 2: CSS Basics

Monday

- Introduction to CSS

    o What is CSS and its role

    o   How CSS works with HTML

Tuesday

Students will receive a certificate of completion upon successful completion of this course.

- Basic CSS Styling
    - o Applying styles to HTML elements
    - o Understanding selectors, properties, and values

Wednesday

- Classes and IDs
    - o Using classes for multiple elements
    - o Using IDs for unique elements
    - Specificity and inheritance

Thursday

- Colors, Fonts, and Text Alignment
    - o Implementing colors (HEX, RGB)
    - o Setting fonts and font properties
    - o Text alignment techniques

Friday

- Hands-On Project
    - o Style the webpage created in Week 1 using CSS
    - o Review and feedback session

Week 3: Layout Techniques and Responsive Design

Monday

- Understanding the Box Model
    - o Explanation of content, padding, border, margin
    - o Visualizing the box model

Tuesday

- Flexbox Layout
    - o Introduction to Flexbox and its properties
    - o Creating flexible layouts

Wednesday

- CSS Grid Layout

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- o   Understanding CSS Grid and its advantages
- o Building complex layouts

Thursday

- Introduction to Responsive Design
    - o Importance of responsive design
    - o   Overview of different screen sizes

Friday

- Media Queries and Fluid Layouts
    - o How to use media queries
    - o   Designing fluid layouts with percentages and relative units

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Week 4: HTML Forms and Advanced CSS

Monday

- Creating HTML Forms
    - o Structure of a basic form
    - o Input elements: text fields, checkboxes, radio buttons, dropdowns

Tuesday

- Styling Forms
    - o Applying CSS styles to form elements
    - o Best practices for user-friendly form design

Wednesday

- Form Validation Techniques
    - o   Client-side validation with HTML attributes
    - o   Introduction to JavaScript validation

Thursday

- CSS Animations and Transitions
    - o Understanding animations and transitions
    - o Creating simple animations with keyframes

Friday

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- CSS Preprocessors and Variables

    o   Introduction to SASS and its advantages

    o Using CSS custom properties (variables) for theming

    o   Final project presentation and course wrap-up

This schedule provides a balanced progression through HTML and CSS topics over four weeks, with hands-on projects and feedback to reinforce learning.