



# ELEVO LABS

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## Course Overview

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### Course Details

**Course Name:** HTML5 Mastery: The Ultimate Guide to Modern Web Structure

**Instructor:** Amit Chandrakar

**Created On:** 16 June, 2025

**Updated On:** 16 June, 2025

**Price:** 1500 INR

**Duration:** 1 Week

**Modules:** 11

**Language:** English, Hindi

**Level:** Beginner, Expert

**Certifications:** Yes

## Course Description

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This course is your complete, in-depth guide to HTML5, the foundational language of every website. We start with the absolute basics, assuming you have zero prior experience, and systematically build up your knowledge to an expert level. You will learn not just what the tags do, but why they are important and how to use them to create well-structured, accessible, and SEO-friendly web pages.

We begin by covering the core syntax and essential tags for text, links, and images. The curriculum then dives deep into semantic markup, teaching you how to structure pages with modern HTML5 elements like `<article>`, `<section>`, and `<nav>`. You'll master building complex

forms with a wide variety of input types and validation attributes. The course also explores powerful multimedia capabilities with the <audio> and <video> tags.

Finally, we'll introduce you to some of the advanced APIs that HTML5 provides, such as Web Storage for saving data in the browser and the Canvas API for drawing graphics. By the end, you'll be able to create any web page structure with confidence and precision.

## What You'll Learn:

- The fundamental structure of an HTML document.
- Formatting text, creating lists, links, and adding images.
- Building robust and accessible forms with HTML5 validation.
- Structuring content with modern semantic elements.
- Embedding audio and video content.
- Creating tables for tabular data.
- An introduction to browser storage with Web Storage API.
- Best practices for writing clean and accessible HTML.

## Who Is This Course For?

This course is for anyone who wants to learn web development. It is the absolute starting point for aspiring front-end, back-end, and full-stack developers. It's also perfect for designers, marketers, and content creators who want to understand and edit web content effectively.

## Prerequisites:

- **Complete Beginner Friendly:** No prior programming or web development experience is required. This course starts from scratch!
- **A Computer/Laptop:** You'll need a working computer (Windows, macOS, or Linux) to write and test your HTML code.
- **A Willingness to Learn:** Bring your enthusiasm and commitment! Your desire to build for the web is the only true requirement.

Includes practical exercises for every module and a certificate of completion. Available in English and Hindi.

## Course Curriculum Details

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## Module 1: Module 1: Getting Started with HTML Essentials

6 Lessons

1. Introduction to HTML: What It Is and Why It's Crucial **10min**
2. Setting Up Your Workspace: Choosing a Code Editor and Browser **15min**
3. The Basic HTML Document Structure: `<!DOCTYPE html>`, `<html>`, `<head>`, `<body>` **20min**
4. Understanding HTML Elements, Tags, and Attributes **15min**
5. Writing Your First HTML Page ('Hello World!') **10min**
6. Recap & Practical Task: Create Your First HTML Page **20min**

## Module 2: Module 2: Core Text and Content Elements

6 Lessons

7. Headings (`<h1>` to `<h6>`) and Paragraphs (`<p>`) for Text Structure **15min**
8. Basic Text Formatting: Bold (`<strong>`, `<b>`), Italic (`<em>`, `<i>`), Underline (`<u>`), Strikethrough (`<s>`) **20min**
9. Line Breaks (`<br>`), Horizontal Rules (`<hr>`), and Preformatted Text (`<pre>`) **15min**
10. Quotations (`<blockquote>`, `<q>`, `<cite>`) **10min**
11. Superscript (`<sup>`) and Subscript (`<sub>`) **8min**
12. Recap & Practical Task: Format a Blog Post **25min**

## Module 3: Module 3: Links, Images, and Lists

## 7 Lessons

1. 13. Creating Hyperlinks (`<a>` tag): Internal, External, Mailto, Phone **25min**
2. 14. Working with Images (`<img>` tag): `src`, `alt`, `width`, `height` attributes **30min**
3. 15. Image Maps and Responsive Images (`<picture>`, `srcset`) **20min**
4. 16. Unordered Lists (`<ul>` and `<li>`) **20min**
5. 17. Ordered Lists (`<ol>` and `<li>`) with Different Markers **20min**
6. 18. Description Lists (`<dl>`, `<dt>`, `<dd>`) **15min**
7. 19. Recap & Practical Task: Build a Simple Photo Gallery **30min**

## Module 4: Module 4: Building Tables for Tabular Data

### 5 Lessons

1. 20. The Basic Table Structure (`<table>`, `<tr>`, `<th>`, `<td>`) **30min**
2. 21. Table Head, Body, and Foot (`<thead>`, `<tbody>`, `<tfoot>`) **25min**
3. 22. Merging Cells: `colspan` and `rowspan` Attributes **25min**
4. 23. Captioning Tables (`<caption>`) **10min**
5. 24. Recap & Practical Task: Create a Product Price List **30min**

## Module 5: Module 5: Semantic HTML5 - Structuring Modern Web Pages

### 7 Lessons

1. 25. The Importance of Semantic HTML for SEO and Accessibility **20min**

2. 26. Sectioning Elements: ``<header>``, ``<nav>``, ``<main>``, ``<footer>`` **40min**

3. 27. Content Grouping: ``<article>``, ``<section>``, ``<aside>`` **25min**

4. 28. Generic Containers: When to Use ``<div>`` and ``<span>`` Appropriately **20min**

5. 29. Figures and Figcaptions (``<figure>``, ``<figcaption>``) **15min**

6. 30. Time Elements (``<time>``) **10min**

7. 31. Recap & Practical Task: Structure a Blog Homepage **35min**

## Module 6: Module 6: HTML Forms - Collecting User Input (Part 1)

**7 Lessons**

1. 32. The ``<form>`` Element and its Essential Attributes (``action``, ``method``) **20min**

2. 33. Basic Text Inputs (``<input type="text">``, ``password``, ``search``) **25min**

3. 34. Textareas (``<textarea>``) for Multi-line Input **15min**

4. 35. Buttons: ``<button>`` vs. ``<input type="submit">``, ``reset`` **20min**

5. 36. Labels (``<label>``) and Placeholders for User Guidance **15min**

6. 37. Checkboxes (``<input type="checkbox">``) and Radio Buttons (``<input type="radio">``) **25min**

7. 38. Recap & Practical Task: Build a Simple Registration Form **30min**

## Module 7: Module 7: HTML Forms - Advanced Input Types & Validation (Part 2)

**6 Lessons**

1. 39. Dropdown Menus (`<select>`, `<option>`, `<optgroup>`) **25min**

2. 40. Modern Input Types: `email`, `url`, `tel`, `number`, `range`, `date`, `time`, `color` **40min**

3. 41. Datalists (`<datalist>`) for Autocomplete Suggestions **20min**

4. 42. Built-in Form Validation Attributes: `required`, `pattern`, `minlength`, `maxlength`, `min`, `max`, `step` **35min**

5. 43. Grouping Form Elements (`<fieldset>`, `<legend>`) **20min**

6. 44. Recap & Practical Task: Create a Feedback Form with Validation **35min**

## Module 8: Module 8: Embedding Multimedia and External Content

6 Lessons

1. 45. Embedding Audio with `<audio>`: Formats, Controls, and Sources **25min**

2. 46. Embedding Video with `<video>`: Controls, Posters, and Multiple Sources **30min**

3. 47. Adding Subtitles and Captions to Video (`<track>`) **15min**

4. 48. Working with iFrames (`<iframe>`) for Embedding External Web Content **20min**

5. 49. Embedding SVGs (Scalable Vector Graphics) Directly in HTML **20min**

6. 50. Recap & Practical Task: Embed Media into a Landing Page **30min**

## Module 9: Module 9: Introduction to HTML5 APIs (Browser Interaction)

5 Lessons

1. 51. Web Storage API: `localStorage` and `sessionStorage` for Client-Side Data Persistence **35min**

2. 52. Introduction to the Canvas API for Dynamic Graphics and Animations **40min**

3. 53. Geolocation API: Requesting User Location (Basic Concepts) **20min**

4. 54. Drag and Drop API: Making Elements Draggable **25min**

5. 55. Recap & Practical Task: Build a Simple To-Do List with Local Storage **40min**

## Module 10: Module 10: HTML Best Practices, Accessibility, and SEO

**6 Lessons**

1. 56. Writing Clean, Valid, and Maintainable HTML Code **25min**

2. 57. HTML for Web Accessibility (WCAG Principles, ARIA Roles and Attributes) **40min**

3. 58. Meta Tags for Search Engine Optimization (SEO) and Social Media (Open Graph, Twitter Cards) **30min**

4. 59. Performance Best Practices: Optimizing HTML and Resource Loading **25min**

5. 60. Introduction to HTML Validators and Linters **15min**

6. 61. Recap & Practical Task: Audit and Optimize an Existing HTML Page **35min**

## Module 11: Module 11: Real-World HTML Project - Building a Multi-Page Business Website

**7 Lessons**

1. 62. Project Overview, Planning, and HTML Structure Design (Homepage) **1hr**

2. 63. Developing Inner Pages: About Us, Services, Portfolio (HTML Only) **1hr 30min**

3. 64. Implementing a Fully Functional Contact Form (HTML Structure) **1hr**

4. 65. Integrating Multimedia Content (Images, Video) and Basic HTML Tables **1hr**

5. 66. Ensuring Semantic Correctness and Basic Accessibility Compliance **45min**

6. 67. Final Review and Validation of Project HTML Structure **30min**

7. 68. Recap & Final Project Submission **45min**

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*This curriculum is subject to minor adjustments to ensure the most up-to-date and effective learning experience.*