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HTML LEARNING ROADMAP

START

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FUNDAMENTALS

- 1.1 How the browser parses HTML files.
- 1.2 Syntax of an HTML element; open and closing tag, element name, attributes, content.
- 1.3 Learn the structure of an HTML document, `<html>` `<head>` `<title>` & `<body>` elements.
- 1.4 Learn document meta data: `<base>`, `<link>`, `<meta>`, `<style>` elements.

2

SEMANTIC HTML: SECTIONS

- 2.1 Learn the purpose of the following elements:
 - 2.2 `<body>`
 - 2.3 `<article>`
 - 2.4 `<section>`
 - 2.5 `<nav>`
 - 2.6 `<aside>`
 - 2.7 `<h1...h6>`
 - 2.8 `<header>`
 - 2.9 `<footer>`
 - 2.10 `<address>`



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SEMANTIC HTML: GROUPING ELEMENTS

3.1 Learn the purpose of the following elements:

- 3.2 <main>
- 3.2 <div>
- 3.3 <p>
- 3.4 <hr>
- 3.5 <dl><dt><dd>
- 3.6 <figure>
- 3.7 <figcaption>
- 3.8 <pre>



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SEMANTIC HTML: TEXT LEVEL

3.1 Learn the purpose of the following elements:

- 3.2 <a>
- 3.2
- 3.3
- 3.4 <time>
- 3.5 <code>
- 3.6
- 3.7

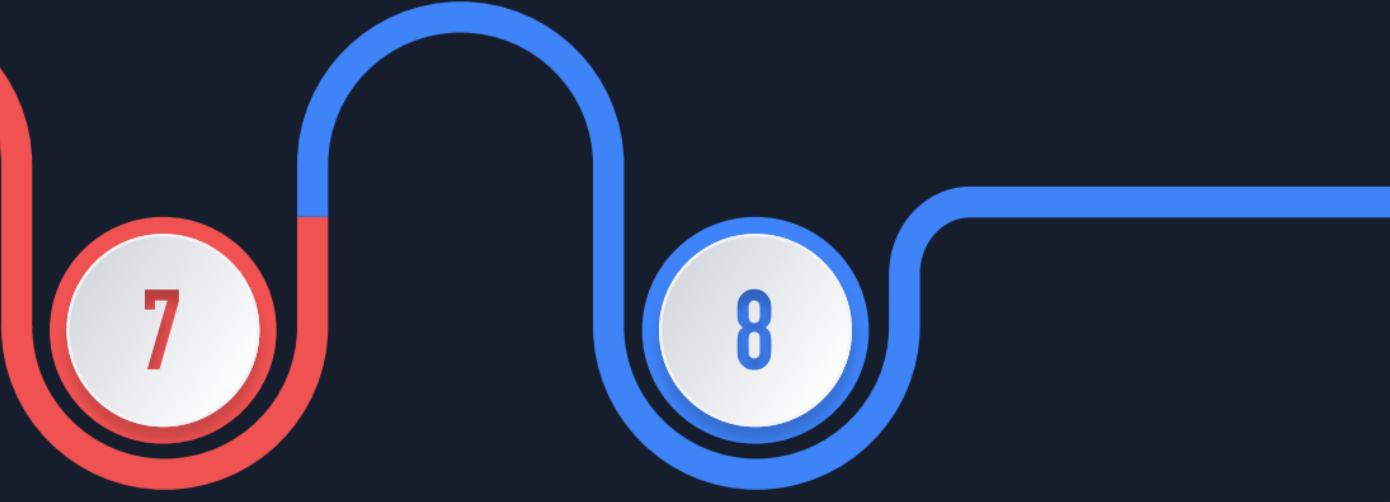
- 3.8 <abbr>

LINKS

- 5.1 Learn href property.
- 5.2 Learn target property and the difference between possible values.
- 5.3 Difference between absolute and relative urls.
- 5.4 Learn how to use the download and rel attribute.
- 5.5 Learn how to navigate to a specific part of the page.

IMAGES

- 6.1 How to embed an image using the src attribute.
- 6.2 Learn the supported image formats.
- 6.2 Learn the importance of the alt attribute.
- 6.3 How to use the loading attribute to lazy load images.
- 6.4 How to size an image with the height and width properties.
- 6.5 Adaptive images: the <picture> and <source> elements.
- 6.6 Adaptive images: the srcset attribute for and <source> elements.



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BASIC FORM ELEMENTS

- 7.1 Learn the basic input types: button, checkbox, radio, date, email, file, number, password, reset, search.
- 7.2 How to handle the onchange event.
- 7.2 Learn the <label> element and how to use the for attribute, how to properly group a <label> with an <input>.
- 7.3 Learn the <button> element: the different type values. Learn how to handle the onclick event.
- 7.4 Learn the <textarea> <select>, <optgroup>, <fieldset>, <legend>.

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FORMS

- 8.1 How to structure a web form.
- 8.2 How to configure a form to communicate with server with attributes: action, enctype, method, target.
- 8.2 How Form submission attributes work.
- 8.3 How to perform client side form validation.
- 8.4 How to make a button to submit a form.
- 8.4 How to reset a form.



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EVENTS: PART 1

9.1 Window events:

- `onbeforeunload`
- `onload`
- `onunload`
- `onresize`

9.2 Keyboard events:

- `onkeydown`
- `onkeypress`
- `onkeyup`

9.3 Mouse events:

- `onclick`
- `ondbclick`
- `onmousedown`
- `onmousemove`
- `onmouseout`



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EVENTS: PAR 2

10.1 Common global events:

- `onchange`
- `onclick`
- `onclose`
- `onresize`
- `onsubmit`



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THE WINDOW OBJECT

- 11.1 How to get inner height and width values.
- 11.2 Learn pageXOffset and pageYOffset properties.
- 11.3 Learn setInterval, setTimeout, clearInterval, clearTimeout methods.
- 11.4 Learn scrollTo method.
- 11.5 Learn the window.location object.

WEB APIs & INTERFACES

- 12.1 Web storage: Local storage, session storage.
- 12.2 URLSearchParams Interface.
- 12.3 Geolocation API.
- 12.4 ResizeObserver Api.
- 12.5 Drag and drop API.
- 12.6 History API.
- 12.7 Intersection Observer API.
- 12.8 Fetch API.
- 12.9 Web notifications.